

# Rock Canyon High School

## 2010 – 2011 Academic Planning Guide

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# Rock Canyon High School

We are very excited to work with you in an ongoing partnership at one of the best comprehensive high schools in the state of Colorado!

We have prepared this guide to help you plan and continue your high school academic program. Included is information for you to use while you plan for school year 2010-2011 and the remainder of your high school career.

**Students and parents should work together to develop a four-year plan for a successful high school experience, or use this guide to continue your plan from last year.**

In addition, students should work with their current teachers in Mathematics, English, Social Studies, World Languages and Science to assure that they will register for courses that meet their skill levels and post-high school plans. All courses are available to every student based on student interest, performance and teacher recommendation.

You should consider the following:

1. Learn and know the Douglas County high school graduation requirements.
2. Consider your plans for career requirements and college entrance criteria.
3. Before selecting a course, check the course description to be sure that the course fits your academic needs, interest, and abilities. Some courses require a prerequisite course or teacher approval before registration. If you have any questions, please call.

**The courses you choose will have a direct effect on the classes we schedule for next year, so please pay careful attention to your selections.**

We look forward to working with you and your family to create an outstanding high school program. Remember, we are here to help you! If you have any questions, please call us at (303) 387-3000.

Respectfully,

Kim Rauh  
Principal

# Definitions

**Advanced Placement (AP):** The Advanced Placement program is a national academic program sponsored by the College Board. All Advanced Placement courses have weighted grades.

**Credit (high school unit of credit):** A measure of credit earned in a course. One unit of credit equals two successfully completed semesters of work. A 0.5 credit equals one semester of successfully completed work.

**Cumulative GPA:** A student's earned Grade Point Average over time.

**GPA:** A student's earned Grade Point Average for one semester or one year.

**Grades, Regular:** Courses which award the student 4 points for an A, 3 points for a B, 2 points for a C, 1 point for a D, and 0 points for an F (no credit given).

**Grades, Weighted:** At this time, the following courses have weighted grades: All Advanced Placement classes, all post-secondary courses which are either a continuation of a weighted high school course or a course which exceeds the high school weighted course. Weighted courses award 5 points for an A, 4 points for a B, 3 points for a C, 1 point for a D, and 0 points for an F.

**Honors classes are not weighted under DCSD policy. Honors classes that have been weighted at other educational facilities will be unweighted at any Douglas County high school upon entrance into DCSD.**

**Prerequisite:** A course that must be successfully completed before taking another course.

# High School Policies

**Availability of Classes:** While every effort will be made to provide the classes a student has selected during registration, some classes may not be available due to student enrollment numbers, staffing, and budget.

**Course Credit Deadline:** No credit can be earned if a student enters a class after the tenth day of the semester, unless transferring from a similar class.

**Course Load:** All Douglas County School District high school students are required to take a full schedule of seven classes per semester in grade 9. There are options available for grades 10, 11, and 12 under open campus. 10<sup>th</sup> graders may register for 6 – 7 classes based on graduation requirements. 11<sup>th</sup> and 12<sup>th</sup> graders will be permitted to register for 5 – 6 classes unless given administrative approval to register for 7 classes.

**Drop/Add Policy:** Students will not be penalized if a course is dropped within the first ten (10) days of a semester. The student's counselor, teacher, and parent must approve all schedule changes. If a student chooses to drop a course after ten (10) school days, a grade of "WF" (Withdraw Fail) is given.

**Early Graduation:** Students planning to complete their high school course work in less than eight semesters should develop an early graduation plan with their counselor and parents. An early graduation form is available in the Counseling Center and must be approved by the principal. A student who plans to graduate early must complete all requirements set by the State Board of Education and the Douglas County Board of Education.

**Enrollment:** Students enrolling in Rock Canyon HS and have withdrawn from a previous school must enroll three weeks prior to the end of a semester in order to receive credit from Rock Canyon for the semester. Students who have not been in attendance at a school during a semester may not receive credit at RCHS if they enroll 3 weeks after the semester begins. If a student is over 17, alternatives for earning credit during the semester will be presented. If a student is not yet 17, the student will be enrolled and attend a full schedule, but credit may not be granted if courses start after the first 10 days of a semester.

**Fees: (Subject to revision by the Board of Education)**

- **Activity Ticket-Student** (optional) \$25.00
- **Athletics** –Participation per season: \$100.00 (Maximum \$375 per family)
- **Book Fee** –District Book Fee: \$20.00
- **Field Trips** -Students will be charged a transportation fee for all field trips.
- **Course Fees** –As per Board of Education policy, where additional charges are required for specific courses; the costs will be noted in the course description. The fee may vary with each student and each project to cover individual needs.

**Graduation:** To participate in the graduation ceremony, the student must present evidence of meeting the diploma requirements (including transcripts from approved correspondence and out-of-school course work) 48 hours prior to the graduation ceremony. A student must also wear the designated cap and gown to the graduation ceremony.

## Counseling

The Rock Canyon Counseling department is a team of professionals building positive relationships in a service oriented, organized, and proactive environment applying clear, consistent communication and practices to meet the needs of our community.

**Counselors:**

Susan Young (A-Em)  
Marlaine McMechen (En-La)  
Melanie Perea (Le-Ro)  
Dan Davies (Ru-Z)

**Registrar:**

Susan Judge

**Counseling Secretaries:**

Barb Cocetti (Post Grad)  
Cindy Sharp

Counseling services are available to all Rock Canyon High School students. Each student is assigned a counselor based on their last name. Counselors meet with students about a variety of issues including educational, personal, emotional, social, academic, career, vocational and technical training. Counselors provide support to families including community resources to help address a variety of concerns that might be better addressed outside of the school setting.

**Scheduling an Appointment:**

We encourage any student who wants to meet with their counselor to schedule an appointment. To schedule an appointment, students must simply come into the counseling office, and our secretaries will schedule an appointment and have a pass delivered to the student prior to the meeting. Teachers do have the right to withhold a pass if a test is being administered, or they feel the student cannot miss the classroom activities. Therefore, we ask students to schedule their appointment during a class period they can afford to miss.

**Schedule Corrections:**

The following guidelines will be used to determine whether or not a schedule correction will be allowed.

1. The student has an “Empty” on their schedule.
2. The student is placed in the wrong level.
3. The student did not pass the course prerequisite.
4. The student cannot participate in the class and has a recent doctor note.

# Standardized Testing Information

The following standardized tests will be available for students at Rock Canyon.

## 9th Grade:

**CSAP:** The Colorado School Assessment Program consists of a series of tests for freshman and sophomores to measure individual progress on the Colorado Model Content Standards. The nine-hour test covers Reading, Writing, and Mathematics. This test is given every spring. The results of the tests are used by the State as part of the school “report card” that was mandated in Senate Bill 00-186.

## 10th Grade:

**CSAP:** The 10<sup>th</sup> grade CSAP test will cover Reading, Writing, Mathematics, and Science.

**PLAN:** This preliminary ACT test given to all sophomores in Douglas County High Schools. The areas tested are: English, Mathematics, Reading, and Science Reasoning. It also includes a student interest inventory and information about planning course work which many students and parents find useful.

**PSAT:** The PSAT (Preliminary Scholastic Achievement Test) can be used by the College Board as the qualifying test to identify juniors for the National Merit Scholarships. The areas tested are: Verbal, Mathematics, and Writing. While this test is open for all sophomores to take, most students wait until their junior year.

## 11th Grade:

**ACT:** The American College Test is commonly used for admissions purposes and tests the following areas: English, Mathematics, Reading, and Science Reasoning. Most Colorado colleges and universities use the ACT or the SAT when admitting new students. Every spring, Douglas County High Schools offer this test to juniors at no charge during the school day in April. This test does not include the writing section. **Military Academies only allow students to take the ACT test for eligibility purposes on National Testing Dates.**

**PSAT:** See above for description.

### **SAT: Reasoning Test**

The SAT is a three-hour multiple-choice test that measures Verbal and Mathematical reasoning abilities and Writing skills that have developed over time. Many colleges accept the SAT scores for admissions.

### **SAT II: Subject Tests**

Subject tests are one-hour multiple-choice tests that measure a student’s knowledge of a particular subject and ability to apply that knowledge. Check the requirements of the college you are considering, since many don’t mandate students to take these subject tests for admissions. SAT Subject Tests are used at more selective colleges and universities.

## 12<sup>th</sup> Grade:

Retake ACT or SAT if necessary in early September or October.

### **SAT II: Subject Tests**

Subject tests are one-hour multiple-choice tests that measure a student’s knowledge of a particular subject and ability to apply that knowledge. Check the requirements of the college you are considering, since many don’t mandate students to take these subject tests for admissions. SAT Subject Tests are used at more selective colleges and universities.

## AP Exams:

See page 72 for information.



## How do you decide which courses to take in high school?

The key is to plan head and start the process of answering these questions:

Who am I?  
What do I want to be?  
How am I going to get there?

Begin by mapping out your high school journey. Set some tentative career and educational goals so that you can choose the path that is appropriate for you. Planning now will ensure that the courses you choose will get you to your destination.

### Step #1

Start with the end in mind and select a *tentative* career path that may interest you.

Here is one way to organize your thinking -

#### CAREER CLUSTERS

Agriculture, Food & Natural Resources

Energy

Science, Technology, Engineering & Math (STEM)

Arts, A/V Technology & Communications

Information Technology

Transportation Distribution & Logistics

Architecture & Construction

Manufacturing

Health Science

Law, Public Safety, Corrections & Security

Hospitality & Tourism

Human Services

Education and Training

Government & Public Administration

Finance

Marketing

### Step #2

Do some research and look at **specific careers** that are categorized under your Cluster.

Find out what post secondary education is required beyond high school.

Does the career require -

On the job training?

An Apprenticeship?

A Certificate Program?

An Associate's degree?

A Bachelor's degree?

A Master's degree?

A Doctorate?

### Step #3

Look into the post secondary education programs or majors (main fields of study) that will help you reach your career objective.

Find out which schools/ colleges in Colorado or other states offer that program or major.

Check out the qualifications that are necessary to be accepted.

Your high school courses should match entrance requirements for the post secondary program and school that you are considering.

### Step #4

Start mapping out your four-year high school academic plan.

If you wish to obtain a college degree you may need to take four years of English, math and science.

Choose fine arts, practical arts and elective courses that will give you varied experiences and exposure to a variety of potential career connections.

### Step #5

Take advantage of internships, activities, clubs and paid work experience through Career and Technical Education.

Consider volunteering to get experience in the career field that you are considering.

This will help you develop skills that are valued both in college and the workplace!

## Tools & Resources to use on your Educational & Career Journey

Log on to your high school **Naviance** site to use as a planning, portfolio and communication tool. Included in this site are Resources such as *College Search*, *College Compare*, *My Checklist*, *My Resume*. If you are not registered in **Naviance**, ask your counselor for an access code.

In **Naviance**, you will also find a link to the [CollegemColorado.org](http://CollegemColorado.org) web site to conduct career and college research. After you create an account, click on the **PLAN** tab and **Explore Career Options**. Locate Choices Planner where you can assess interests and skills and take a **Career Clusters Inventory**. This program also includes both career and college data bases.

Visit your high school Post Graduate or Counseling Center. Check out the wide variety of resources available to you—college handbooks, directions and catalogs.

Come back and explore these options often.



# **National Counseling Standards**

**The counseling department at Rock Canyon High School has developed a program based on the following standards:**

## **Academic Development**

### **Standard A**

**Students will acquire the attitudes, knowledge and skills contributing to effective learning in school and across the life span.**

### **Standard B**

**Students will complete school with the academic preparation essential to choose from a wide range of substantial post-secondary options, including college.**

### **Standard C**

**Students will understand the relationship of academics to the world of work and to life at home and in the community.**

## **Career Development**

### **Standard A**

**Students will acquire the skills to investigate the world of work in relation to knowledge of self and to make informed career decision.**

### **Standard B**

**Students will employ strategies to achieve future career success and satisfaction.**

### **Standard C**

**Students will understand the relationship between personal qualities, education and training and the world of work.**

## **Personal/Social Development**

### **Standard A**

**Students will acquire the attitudes, knowledge and interpersonal skills to help them understand and respect self and others.**

### **Standard B**

**Students will make decisions, set goals and take necessary action to achieve goals.**

### **Standard C**

**Students will understand safety and survival skills.**

## College Entrance Requirements

If your plans after graduation from high school include college, check individual colleges and university websites or talk directly with admission counselor. Carefully consider the **five major factors** most colleges use for admission:

- **Curriculum** (the courses a student takes in high school): Colleges take into consideration the level of courses taken, the overall strength of the student's curriculum, and the broad based foundation needed to undertake college work. Most colleges are looking for students who have consistently challenged themselves academically by selecting rigorous courses while in high school.
- **Grades:** Grades are still the best predictor of academic success in college, and most colleges check high school grades carefully before admitting students. Note: some colleges do not recognize / accept "D's". Check with the college/university of choice to verify.
- **College Entrance Tests:** Students who challenge themselves academically by selecting rigorous courses in high school consistently score higher on college entrance tests such as the ACT and SAT. These tests measure student knowledge in academic areas and help indicate their level of achievement in core classes. Colleges use these test scores as one predictor of academic success in college.
- **Student Activities In and Out of School:** Involvement and participation in school, community, and religious activities such as: clubs, athletics, music, and student government. Work and volunteer projects are also important for college admission. The critical point is not how many activities you joined, but how meaningfully you have participated and fulfilled your responsibilities.
- **Recommendations:** Most colleges ask for personal recommendations from your teachers, coaches, employers, and counselors. Your chances for admission will be enhanced by comments from those who know you well. Recommendations often include information about personal traits such as: integrity, judgment, reliability, motivation, initiative, leadership, and character.



## HIGHER EDUCATION ADMISSIONS REQUIREMENTS

Colorado has recently established Higher Education Admissions Requirements for students who plan to attend any of Colorado’s public, four-year colleges or universities. The requirements go into effect in two phases: Phase 1 for students graduating in 2008 and 2009, and Phase 2 for students graduating in 2010 and beyond. Private colleges and universities set their own admissions standards, so you should contact those institutions directly for information regarding their enrollment policies. Public two-year colleges have open enrollment policies, meaning that students applying to these schools do not need to meet the following admissions requirements.

Students planning to attend a four-year college or university in Colorado (Adams State College, Colorado School of Mines, Colorado State University, Colorado State University—Pueblo, Fort Lewis College, Mesa State College, Metropolitan State College of Denver, University of Colorado at Boulder, University of Colorado at Colorado Springs, University of Colorado at Denver, University of Northern Colorado, Western State College) will need to complete the following classes in order to fulfill the Higher Education Admissions Requirements. Additionally, you will need to find out from the colleges to which you are applying what GPA and ACT or SAT scores they require and **if there are other courses outside of the Higher Education Admissions Requirements that must also be completed for admission.** The Higher Education Admissions Requirements have been established in addition to the Admissions Eligibility Index (which you can find online at [www.state.co.us/ccche/policy/newpolicies/I-partf-index.pdf](http://www.state.co.us/ccche/policy/newpolicies/I-partf-index.pdf)).

ACADEMIC AREA	HS GRADUATES 2010+
ENGLISH	4 units
MATHEMATICS (Algebra I level and higher)	4 units
NATURAL/PHYSICAL SCIENCES (2 units must be lab-based)	3 units
SOCIAL SCIENCES (at least 1 unit of U.S. or World History)	3 units
FOREIGN LANGUAGE ( <u>most colleges require 2 units</u> – see college website for accurate information)	1 units
ACADEMIC ELECTIVES*	2 units
TOTAL	17

Note: One unit is equal to one full year of credit in a specific subject.

\* **Acceptable Academic Electives** include additional courses in English, mathematics, natural/physical sciences and social sciences, foreign languages, art, music, journalism, drama, computer science, honors, Advanced Placement, and International Baccalaureate courses. Approved career and technical education courses with content comparable to courses meeting Colorado’s Model Content Standards and industry specific/CTE standards are counted as academic electives beyond the minimum years listed above.

The CCHE has further described the types of courses that meet their requirements by indicating that they need to be “sufficiently challenging to be college-preparatory” and that they need to fit “in a logical sequence of courses leading to higher and more rigorous course work.” For a fuller explanation of the criteria, contact your counselor or go to the CCHE website at <http://www.state.co.us/ccche/academic/admissions.html>.

## HB 05-1057

Enacted in the 2005, HB 05-1057 requires districts to provide to parents a list of courses the district has available that satisfy the CCHE’s Higher Education Admission Guidelines. The following Rock Canyon courses meet those criteria:

<b>ENGLISH</b>	<b>MATHEMATICS</b>	<b>SCIENCE</b>	<b>SOCIAL SCIENCE</b>	<b>WORLD LANG</b>
English I	Alg I Pt. 1 (.5 only)	Earth/Environmental Sci.	Ancient Civilizations	French 1B
English I Honors	Alg I Pt. 2 (.5 only)	Biology	Ancient Civ Honors	French I
English II	Algebra I	Biology Honors	World Geography	French II
English II Honors	Algebra II	Chemistry	Modern Euro History	French III
English III	Algebra II Honors	Chemistry Honors	Medieval History	French IV
World Lit & Comp	Applied Geometry ✓	Physics	Rise Nation St – England	French V
Senior Studies	Topics Alg/Geo/Trig✓	Aquatic Biology▶	Modern Asian History	AP French Lang.
AP Lang & Comp	AP Calculus AB	Zoology▶	World Religions	Spanish 1B
AP Lit & Comp	AP Calculus BC	Human Anatomy/Phys	Colorado History	Spanish I
Public Speaking§	AP Statistics	Biotech. Engineering	Cont. World Issues	Spanish II
Competitive Speech§	College Algebra	Astronomy▶	Sociology	Spanish III
	Discrete Math	Geology▶	Psychology	Spanish IV
	Geometry	Organic Chemistry	U.S. History 1865-1945	Spanish V
	Geometry Honors	Forensic Science	U.S. History Since 1945	AP Spanish Lang.
	Probability & Statistics	AP Biology	Economics	Chinese I
	Honors Trig/PreCalc	AP Chemistry	U.S. Government	Chinese II
	Trig/PreCalc	AP Envir. Science	AP Human Geography	Chinese III
	Trigonometry	AP Physics B	AP Euro History	Chinese IV
	Pre Calculus	AP Physics C	AP U.S. History	Italian I
	Calculus A		AP Econ Micro & Macro	
			AP U.S. Government	
			AP Psychology	

**ENGLISH NOTES:**

§These speech classes meet HEAR under English as long as students also acquire at least 2 of the required four units through coursework emphasizing writing, grammar, and composition skills.

**MATH NOTES:**

✓ When this course is taken as part of a logical sequence leading to higher and more rigorous college-prep coursework (e.g. when Applied Geometry leads to Algebra 2), it may be interpreted at certain institutions as meeting the requirements. When Algebra 1 content is extended beyond one year (Algebra 1 Part 1 and Algebra 1 Part 2), only one Carnegie unit of the pre-collegiate requirement is met.

**SCIENCE NOTES:**

✓ When this course is taken as part of a logical sequence leading to higher and more rigorous college-prep coursework (e.g. when Principles of Physical Science leads to Biology), it may be interpreted at certain institutions as meeting the requirements.

▶ When a student’s transcript shows that this course follows (but does not substitute for) prerequisites like Physical Science, Biology, and/or Chemistry, it may be interpreted as meeting the requirements.

.....  
 Colleges and  
 universities may  
 have institutional  
 admissions  
 requirements that  
 go beyond these  
 course  
 requirements.  
 Work closely  
 with the  
 admissions staff  
 at the college or  
 university of your  
 choice for  
 complete  
 information.  
 .....

## FREQUENTLY ASKED QUESTIONS

**Q:** Will completion of the pre-collegiate course requirement as part of finishing my high school requirements guarantee my admission to a four-year college or university in Colorado?

**A:** No. The pre-collegiate course requirement is an addition to the CCHE Admissions Standards Policy for public higher education institutions. All four-year public institutions in Colorado have selective admission requirements articulated in the Admissions Standards Policy. **Colleges and universities may have institutional admissions requirements that go beyond the pre-collegiate courses and the selective admissions standards established for each institution. Students are advised to work closely with the admissions staff at the college/university of choice for complete information about admission requirements.** Keep in mind that all two-year colleges in Colorado have open admissions policies. The pre-collegiate admissions requirements do not apply to students entering a community college or to students entering Metropolitan State College of Denver if they are 20 years old or older.

**Q:** I have a disability. Will I have to complete the pre-collegiate Admissions Requirements?

**A:** **Yes. The pre-collegiate course requirements and the selective admissions standards will be factors in the admission decision for all students, even if an identified disability has resulted in a modified high school curriculum. In accordance with Section 504 of the Rehabilitation Act of 1973 (Section 504) and Title II of the Americans with Disabilities Act of 1990 (Title II), Colorado's collegiate institutions do not discriminate on the basis of the presence of a disability. However, to qualify for academic accommodations at a postsecondary institution, students with disabilities must first meet the institution's "essential admissions requirements." The pre-collegiate curriculum constitutes an essential admission requirement. For more information about the federal guidelines regarding students with disabilities in the college/university setting, go to <http://www.ed.gov/about/offices/list/ocr/transition.html>.**

**Q:** What options do I have if I haven't completed the pre-collegiate course requirements and I graduate in spring 2008 or later?

**A:** **You have at least three. You may qualify for admission to a Colorado public four-year institution even if you haven't completed the prescribed pre-collegiate courses. Institutions may make an exception and admit a specific percentage of students based on criteria other than the pre-collegiate Admissions Requirements and the CCHE freshmen index. A second option is to enroll in a community college, all of which have open admissions, and, after successfully completing a college-level course in each of the four academic areas (i.e., English, mathematics, natural science, and social science), apply for admission to a four-year public institution as a transfer student. Finally, CCHE will identify assessment options by June 2006, which you may substitute for specific courses of the pre-collegiate Admissions Requirements once they are adopted by the Commission.**

**Q:** Who do I contact if I'm unsure if a course will fulfill a pre-collegiate requirement?

**A:** **Contact the counseling office at your school for specific course advice. Also check the CCHE website periodically for an expanded list of courses that will meet the pre-collegiate criteria.**

**Q:** What are some other things I should do while I'm in high school to prepare me for college?

**A:** **Do your best in your classes. Keep in mind that most colleges give preference to students who challenge themselves throughout high school over those who take easier classes and get a higher grade point average. Explore whether you want to take Advanced Placement courses or pursue an International Baccalaureate diploma program. You may also want to enroll for dual credit classes that allow you to earn college credit while in high school through the Post-Secondary Enrollment Options Program. Your school counselor can provide you with details on each of these opportunities. Get involved in activities such as clubs, music, sports, and/or volunteer work. When you have an opportunity, try some leadership roles in these activities.**

# SAMPLE ADMISSION CRITERIA FOR COLLEGE ENTRANCE



## 5 Major Factors for College Admission

If your plans after graduation from high school include college, you should keep in mind the five major factors upon which college admission is based:

- Quality of your courses of study while in high school
- Grades earned in these courses and the resulting grade point average and class rank
- Test scores on the ACT and/or SAT tests
- Activities of recommendation when appropriate

Admission requirements to colleges and universities vary greatly. Students should seek information about the colleges or universities they are interested in attending, to determine the exact requirements. Catalogs may be obtained from the college or your high school post graduate or counseling center.



## General College Requirements

The following colleges and universities are listed according to the levels of entrance difficulty developed by Peterson's, a leading provider of education data.

Most Difficult	Very Difficult	Moderately Difficult	Minimally Difficult
<p>Examples: US Air Force Academy, Stanford, Harvard, Duke</p> <p>More than 75% of the freshman were in the top 10% of their high school class and scored over 1310 on the SAT 1 or over 29 on the ACT. About 30% or fewer of applicants were accepted.</p>	<p>Examples: Colorado College, Colorado School of Mines, Pepperdine University, UCLA</p> <p>More than 50% of the freshman were in the top 10% of their high school class and scored over 1230 on the SAT 1 or over 26 on the ACT. About 60% or fewer of applicants were accepted.</p>	<p>Examples: University of Colorado/Boulder, University of Denver, Colorado State</p> <p>More than 75% of the freshman were in the top half of their high school class and scored over 1010 on the SAT 1 or over 18 on the ACT. About 85% or fewer of applicants were accepted.</p>	<p>Examples: Metropolitan State, Mesa State, Johnson &amp; Wales</p> <p>Most freshman were not in the top half of their high school class and scored below 1010 on the SAT 1 or below 19 on the ACT. About 95% or fewer of applicants were accepted.</p>



## Additional Post-Secondary Education Options

Community Colleges	Apprenticeships	Technical Colleges
<p>Examples: Arapahoe Community College, Community College of Denver</p> <p>Offer Associate Degree and Certificate programs to prepare students for transfer to other colleges or for direct entry into the workforce.</p> <p>Open enrollment institutions for students, 17 years of age or older; Placement tests.</p>	<p>Examples: Colorado Contractor's Association</p> <p>Offer Journeyman Certificates and Associate's Degrees. Includes competency based registered apprenticeship programs in; carpentry, cement mason, heavy equipment, iron worker, truck mechanic. Typically, each program offers both on-the-job training and classroom experience through community colleges.</p> <p>High school diploma or General Education Development (GED) certificate; At least 17 years old; Pre-qualifying tests; Interviews. Some programs will consider grade point averages in their selection procedures.</p>	<p>Examples: DeVry University.</p> <p>Offer Associate's, Bachelor's and Master's Degree programs in business, technology, health-care technology, and management. Includes flexible scheduling, on-line learning options and faculty with industry experience.</p> <p>High School diploma or General Education Development (GED) certificate; At least 17 years old, AnGPA of at least 2.0; Some programs may require ACT or SAT scores; Placement exams.</p>

11/09

# NCAA

NCAA Eligibility Information main website is [www.eligibilitycenter.org](http://www.eligibilitycenter.org)

Please refer to the NCAA Eligibility website for a list of approved core courses. You may use the direct link below:

[https://web1.ncaa.org/eligibilitycenter/student/index\\_student.html](https://web1.ncaa.org/eligibilitycenter/student/index_student.html)

1. Click on the “List of Approved Core Courses” on the left sidebar.
2. Search by High School Code: 060748

Below is a link to a Quick Reference Page that can be very helpful.

<http://www.ncaa.org/wps/wcm/connect/af238a804e0b869285bcf51ad6fc8b25/Quick+Reference+Sheet+for+IE+Standards+-+6-18-09.pdf?MOD=AJPERES&CACHEID=af238a804e0b869285bcf51ad6fc8b25>



## DOUGLAS COUNTY SCHOOL DISTRICT CAREER & TECHNICAL EDUCATION and POST SECONDARY OPTIONS

These programs are available to students enrolled in our high schools. These programs offer students options to reach their goals. Each program has special requirements, which may change without notice. Please check with your counselor prior to enrolling in any of these options. Below are the general guidelines for each program.

For specific questions contact Dan McMinimee, Director of Schools at (303) 387-0042 or email: [daniel.mcminimee@dcsdk12.org](mailto:daniel.mcminimee@dcsdk12.org)



### Arapahoe / Douglas Career & Technical Consortium (ACT)

There are approximately 10 different Career and Technical Education programs that students may enroll in at little or no cost. These programs offer student certification or post-secondary credit and may even prepare students for entry-level employment. This is a partnership with Douglas County, Cherry Creek, Littleton, Sheridan and Englewood School Districts along with Arapahoe Community College. These programs are located within the schools offering the program. Some programs may have additional non-reimbursable fees.

- Visit the program prior to enrollment
- Must have parent support and permission
- Must be enrolled in a Douglas County school and will be dually enrolled in other district if out of district program.
- Must follow attendance policy in ACTS program
- Must provide own transportation to and from program
- A limited number of slots are available for each program
- Must be willing to pay appropriate fees connected with certain programs
- Must have a sufficient number of credits to graduate from high school on time

For more information, please go to

[http://www.dcsdk12.org/portal/page/portal/DCSD/Learning\\_Services/Supervision\\_of\\_Schools/Career\\_Development](http://www.dcsdk12.org/portal/page/portal/DCSD/Learning_Services/Supervision_of_Schools/Career_Development)



### T. H. Pickens Tech School (Aurora Public Schools)

There are many different Career and Technical Education programs available for students, including: auto technician, cosmetology, horticulture, medical technology, dental assistant, and electrician. See course catalog or website for details and other programs available. DCSD may pay the tuition costs for students attending Pickens programs subject to available dollars. Some programs may have additional non-reimbursable fees.

- Must provide own transportation
- Must visit program prior to enrollment
- Must have parent(s) support and permission
- Must be enrolled in a Douglas County school
- A limited number of slots are available for each program
- Must have a sufficient number of credits to graduate from high school on time
- Must stay in program for entire term (or reimburse DCSD the cost of program)

For more information, please go to [www.pickenstech.org](http://www.pickenstech.org)

All students applying will be considered for enrollment; in some programs a limited number of slots are available for enrollment. Students should arrange their high school schedule first and select the time for the program they desire. All attempts will be made to enroll students into the program of their choice. Students will be notified prior to summer vacation.

*Douglas County School District does not unlawfully discriminate on the basis of race, creed, color, national origin, sex, or disability in admissions, access to, or treatment in its educational programs or activities. Inquiries may be referred to Director of Human Resources (303) 387-0100.*

11/09



## Douglas County School District Post Secondary Options

These programs are available to students enrolled in our high schools. These programs offer students options to reach their goals. Each program has special requirements, which may change without notice. Please check with your counselor prior to enrolling in any of these options. Below are the general guidelines for each program. See Statewide Co-Enrollment Agreement for explicit directions and criteria. For specific questions contact Dan McMinnise, Director of Schools, at (303) 387-0042 or email [dan.mcminnise@dcisd12.org](mailto:dan.mcminnise@dcisd12.org).



### OPTION 1

### College Ready

**Applies to:** Arapahoe Community College (ACC) courses offered in a district high school\* during the school day

**Instructor:** DCSD instructor/staff

**Dual Credit:** YES

**Cost to student:** \$11.05 per semester registration, plus fees & books for 2009-2010. Fee for 2010-11 to be determined.

**Student must apply for:**

- Colorado College Opportunity Fund (COF)
- Enrollment at Arapahoe Community College

**Other criteria:**

- Juniors must take Accuplacer Test
- Seniors must take ACT or SAT Test

- High School department chair approval required



### OPTION 2

### Tuition Reimbursable PSEO

**Applies to:** A public Colorado state college/university

**Instructor:** college/university staff

**Dual Credit:** YES

**Cost to student:** All tuition, and other related fees & books

**Student must apply for:**

- Colorado College Opportunity Fund (COF)
- Enrollment at college of choice

**Other criteria:**

- For courses not normally offered at HS or advanced level.
- Limited to 2 courses (3 credit hours or more per course) per semester
- Must earn a grade of "C" or better
- Must submit a statewide agreement/co-enrollment form for each semester
- Some courses may require Accuplacer Testing
- Request for tuition reimbursement must be submitted no later than 30 days after completion of course(s) \*
- Summer courses are NOT reimbursable

\* subject to fund availability



### OPTION 3

### FAST TRACK

**FAST TRACK:**

- Students must have completed all HS graduation requirements by the end of 1st semester senior year
- Must submit a statewide agreement/co-enrollment form for the semester
- May enroll at Arapahoe Community College (ACC) for one semester.
- Tuition pre-paid by Douglas County School District \*
- Student will pay for all other related expenses such as books and fees
- Some courses may require Accuplacer Testing
- Must maintain a grade of "C" or better in all courses
- If student fails to earn a grade of "C" or better, student is obligated to reimburse district for tuition paid on their behalf

\* subject to fund availability



### OPTION 4

### Tuition Non-Reimbursable

**Applies to:** online, hybrid, or out of state college/university/private school/summer courses, etc.

**Dual Credit:** Possible (student's choice)

**Cost to student:** All tuition and other related costs

**Student must apply for:**

- Colorado College Opportunity Fund (COF) for in-state institutions
- Enrollment in school of choice

For more information on these and other programs go to:

[http://www.dcsd12.org/postsecondary/DCSDLearning\\_Services/Supervision\\_of\\_School\\_Career\\_Development](http://www.dcsd12.org/postsecondary/DCSDLearning_Services/Supervision_of_School_Career_Development)

1109

# Douglas County School District Graduation Requirements for Graduates 2011

From Board of Education policy IKF.

Each student must:

1. Successfully complete a minimum of 25.5 credits in four years (grades 9-12). One credit (1.0) is equal to one course lasting the full year. One-half credit (0.5) is equal to one course lasting one-half year.

The 25.5 credits must include the following 17.5 core courses:

Language Arts	4.0	Four English credits and proficiency on District Language Arts Standards are required for graduation.
Social Studies	4.0	Four Social Studies credits are required for graduation. The required credits include: 1.0 credit of American History, 1.0 credit of World History, 0.5 credit of Geography, 0.5 credit of U.S. Government, 0.5 credit of Economics, 0.5 credit of a Social Studies elective. Proficiency on District Social Studies Standards are required for graduation.
Mathematics	3.0	Three Math credits, one of which must be Algebra I or a higher level of math, are required for graduation. The district Algebra I, end-of-course exam, is a part of the final Algebra I grade.
Science	3.0	Three Science credits and proficiency on Science Standards are required for graduation.
Practical Arts	1.0	Practical Arts courses are found in the subject area of business, computers, Levels III, IV, V of World Languages, Consumer & Family Studies, Technology, Vocational Education (courses taken at T.H. Pickens Technical Center and the Arapahoe/Douglas Career & Technical School [ACTS].)
Fine Arts	1.0	Fine arts courses are found in the subject areas of Art, Level III, IV, V of World Languages; Music (instrumental or vocal); Broadway Dance, and Theater Arts.
Physical Education	1.0	0.5 credit of health can be used to meet one-half of this requirement.
Speech Communication	.5	0.5 credit of Speech is required for graduation.
(Subtotal Core Credits)	17.5	
Elective Credits	8.0	General Elective Courses
Minimum total credits	25.5	

2. Demonstrate computer literacy. Students will be assessed on their skills in word processing, spreadsheets, databases, technology fundamentals, terminology, research, multi-media communication, and technology ethics. This requirement may be satisfied by completing a district computer proficiency assessment or by successfully completing a course, (Information Processing I), that accurately reflects the complete set of skills as outlined in the Technology Foundation Skills for Students.
3. Demonstrate proficiency on the District Reading Standard by scoring Proficient or Advanced on the Grade 10 Colorado State Assessment for Reading (CSAP) or an equivalent assessment as defined by the Douglas County School District.
4. Document a minimum of 20 hours of community service during grades 9-12.
5. Attend 8 semesters of full time enrollment, unless specifically waived by the school principal.



## Douglas County School District Graduation Requirements for Graduates 2012 and Beyond

From Board of Education policy IKF (beginning with the Class of 2012).

1. To receive a diploma and graduate from a Douglas County high school, a student must earn a minimum of 24 credits. A student attending a Douglas County school using an accelerated block schedule must earn a minimum of 26.5 credits. One credit (1.0) is equal to one course lasting the full year. One-half credit (0.5) is equal to one course lasting one-half year.

**The 24 (26.5) credits must include the following 16.0 core courses:**

<b>Language Arts</b>	4.0	Four English credits. *
<b>Social Studies</b>	3.0	Three Social Studies credits.* The District required credits include: 1.0 credit of American History or World History, 0.5 credit of U.S. Government. ( <u>The required credits for RCHS include: 1.0 credit of American History, 0.5 credit of World History, 0.5 credit of Geography, 0.5 credit of U.S. Government, 0.5 credit of Economics.</u> )
<b>Mathematics</b>	3.0	Three Math credits, one of which must be Algebra I or a higher level of math. The district Algebra I, end-of-course exam, is a part of the final Algebra I grade.*
<b>Science</b>	3.0	Three Science credits.*
<b>Practical Arts</b>	1.0	Practical Arts courses are found in the subject area of Computers; Levels III, IV, V of World Languages; career and technical education courses. (Courses taken at T.H. Pickens Technical Center and the Arapahoe/Douglas Career & Technical School [ACTS].)
<b>Fine Arts</b>	1.0	Fine arts courses are found in the subject areas of Art; Level III, IV, V of World Languages; Music (instrumental or vocal); Broadway Dance; and Theater Arts.
<b>Physical Education</b>	1.0	0.5 credit of Health can be used to meet one-half of this requirement.
<b>(Subtotal Core Credits)</b>	16.0	
<b>Elective Credits</b>	8.0/10.5	General Elective Credits
<b>Minimum total credits</b>	24.0/26.5	

2. Document a minimum of 20 hours of community service while enrolled as a high school student.

\* To earn credit in a class, students must demonstrated proficiency on the Content Standards embedded in the course. Documentation that these standards have been achieved will be through teacher judgment based on District assessments, end-of-course tests or other measurements as well as meeting other stipulated course expectations. Students who do not achieve these standards will be enrolled in courses or programs as prescribed by the school principal and faculty.

# Sample Course Interpretation

Careful planning is essential to a successful and rewarding experience at Rock Canyon High School. Parents, teachers, counselors, and administrators should all be involved in assisting you to develop a comprehensive plan allowing for variety, specific interests, and special preparation for the future. Although there are a variety of resource people to assist you, the final responsibility for your educational experience rests on you and your willingness to study and become a part of the school community.

This guide has been designed as a planning tool for the coming year. A close look at department overviews, course descriptions, graduation requirements, and prerequisites will give you important information for the planning process.

Below is a sample course in the format found throughout this guide. Carefully read the comments provided.

**.5 credit = 1 course for 18 weeks = 1 semester**  
**1.0 credit = 1 course for 36 weeks = 2 semesters**

**Course Title:**  
Titles are for reference only. Read the entire description and talk to teachers, counselors, and parents before deciding whether a particular course meets your needs, interests, and abilities.

**Course Credit:**  
Lists the credit upon successful completion.

**Prerequisite:**  
States what must be successfully completed before enrolling in this course.

**Course Number:**  
Course numbers are listed for registration purposes.

**Level:**  
Lists the grades that may enroll in this course.

**CCHE:**  
States whether the course meets the requirements of CCHE.

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>GEOLOGY</b>	80575	0.5	9-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCI, ELE</u> ___ May be taken more than once for credit _X_ May be taken <u>only</u> once for credit	This lab based course includes the study and identification of rocks and minerals, geologic structures, weathering and erosion, glacial processes, coastal processes, natural disasters, Colorado geology, and the use of topographic and geologic maps. 9 <sup>th</sup> graders may only take this course with concurrent enrollment in Physical Science or Biology. <b>Fee: \$10</b> for lab supplies.				

**Description:**  
The intent of the class, possible types of class activities, content, and instruction.

**Fee:**  
Additional cost for material not provided by school budget.

# Art

Department Chair: Dr. Jacqueline Shuler

## Course Offerings

Grade	Courses Offered
9	Ceramics I, II Drawing and Painting I, II Art Experience I Graphic Design I, II Photography I, II Sculpture I, II
10	Ceramics I, II, III, IV Drawing and Painting I, II, III Art Experience I Graphic Design I, II Photography I, II, III, IV Sculpture I, II
11	Ceramics I, II, III, IV Drawing and Painting I, II, III, IV Art Experience I Graphic Design I, II Photography I, II, III, IV Sculpture I, II
12	Ceramics I, II, III, IV Drawing and Painting I, II, III, IV Art Experience I Graphic Design I, II Photography I, II, III, IV Sculpture I, II

**Registration for each course requires a signature from the current art teacher, unless stated otherwise, and passing the prerequisite course with a C or better is recommended.**

# ART COURSE DESCRIPTION

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>ART EXPERIENCE I</b>	15400	0.5	9-12	None	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> A positive attitude, and an interest in creatively solving problems. This course is for students of all ability levels who are interested in a variety of art experiences and media (ie: clay, sculpture, drawing, and painting). Projects focus on composition, creativity and craftsmanship, and skills for a lifetime. <b>Fee: \$40.00</b>				
<b>CERAMICS I</b>	15425	0.5	9-12	None	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> A positive attitude, self control, and an interest in creatively solving problems. Ceramics I is an introduction to design, glazes, basic hand building and beginning wheel throwing skills. Learn to understand and work with clay as you challenge yourself and the clay to create new forms and bring your ideas to life. Completion of Ceramics I and II will fulfill the requirements for your fine arts credit. <b>Fee \$40.00</b>				
<b>CERAMICS II</b>	15430	0.5	9-12	Ceramics I	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> A positive attitude, serious intentions, good work ethics, and an interest in creatively solving problems, as well as, completion of Ceramics I with a <b>C</b> (or better) is recommended <b>AND</b> the <b>RCHS</b> ceramics teacher's signature. This course is an extension of Ceramics I with an emphasis on skill and technique, form and design. Carry on developing your hand building skills and techniques as you create bigger and better functional and nonfunctional clay forms. Persist building your skills as a potter with the opportunity and challenge to create projects on the potter's wheel. <b>Fee \$40.00</b>				
<b>CERAMICS III</b>	15435	0.5	10-12	Ceramics II	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> A positive attitude, serious intentions, and an interest in creatively solving problems, as well as, completion of Ceramics II with a <b>C</b> (or better) is recommended <b>AND</b> the <b>RCHS</b> ceramics teacher's signature. This course is a prolongation of Ceramics II with an emphasis on <b>advanced</b> techniques, forms and designs. Continue designing, challenging, improving, and embellishing your hand building and wheel throwing skills and techniques, as you create a variety of advanced clay forms. Take a chance and combine both of your skills into creating more of your own unique art work. <b>Fee \$40.00</b>				
<b>CERAMICS IV</b>	15440	0.5	11-12	Ceramics III	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> A positive attitude, serious intentions, and an interest in creatively solving problems, as well as, completion of Ceramics III with a <b>C</b> (or better) is recommended <b>AND</b> the <b>RCHS</b> ceramics teacher's signature. Students will create individual educational plans for advanced projects with an emphasis on portfolio development. Serious art students will be their own "boss" and create and implement their own goals and plans. Guidance through this process will be given as needed. Students may take advantage of the opportunity to really challenge themselves, their abilities, and independent goal setting and work skills. <b>Fee \$40.00</b>				
<b>GRAPHIC DESIGN I</b>	15450	0.5	9-12	None	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course will introduce students to various tools, techniques, and concepts employed by the graphic artist. Students will learn design and layout while completing professional projects such as typeface, packaging, lettering, illustration, and advertising. Students will use Photoshop for digital projects. <b>Fee: \$40.00</b>				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>GRAPHIC DESIGN II</b>	15455	0.5	9-12	Graphic Design I	No
Meets Graduation Requirements in: <u>FINE ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Successful completion of Graphic Design I and a signature from the current Graphic Design I teacher. This course will continue to develop the student's knowledge and exposure to various tools, techniques, and concepts employed by the graphic artist. The students will use the following techniques and processes as they begin to develop a portfolio of work: Photoshop and Illustrator for digital projects, advertising layout, product design (2D and 3D presentations), typography, rendering, illustration and trademark/symbol/logo. <b>Fee: \$40.00</b>				
<b>DRAWING AND PAINTING I</b>	15500	0.5	9-12	None	No
Meets Graduation Requirements in: <u>FINE ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> A positive attitude, self control, and an interest in creatively solving problems. This course focuses on design, basic drawing techniques and an introduction to painting. Students will work with various drawing and painting media, as they create fantastic designs and drawings, while discovering the secrets of the art elements and design principles. Completion of Drawing and Painting I and II will fulfill the requirements for your fine arts credit for any in state or out of state college. <b>Fee \$40.00</b>				
<b>DRAWING AND PAINTING II</b>	15505	0.5	9-12	Teacher Signature	No
Meets Graduation Requirements in: <u>FINE ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> A positive attitude, serious intentions, good work ethics, and an interest in creatively solving problems, as well as, completion of Drawing and Painting I with a <b>C</b> (or better) is recommended <b>AND</b> the <b>RGHS</b> drawing/painting teacher's signature. This course is an extension of Drawing and Painting I. Students will focus on a more intense involvement in drawing and painting media, techniques, and artistic styles. More individual expression and artistic awareness will be encouraged. Realistic drawing will be emphasized using skills that are acquired. <b>Fee \$40.00</b>				
<b>DRAWING AND PAINTING III</b>	15510	0.5	10-12	Teacher Signature	No
Meets Graduation Requirements in: <u>FINE ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> A positive attitude, serious intentions, and an interest in creatively solving problems, as well as, completion of Drawing and Painting II with a <b>C</b> (or better) is recommended <b>AND</b> the <b>RGHS</b> drawing/painting teacher's signature. This course focuses on developing your own drawing and painting techniques. Students will select and work with various drawing and painting media, embellishing their work with the elements of art and principles of design. The serious art student will further develop skills, ideas, personal philosophy, and creativity in their works of art. <b>Fee \$40.00</b>				
<b>DRAWING AND PAINTING IV</b>	15515	0.5	10-12	Teacher Signature	No
Meets Graduation Requirements in: <u>FINE ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> A positive attitude, serious intentions, and an interest in creatively solving problems, as well as, completion of Drawing and Painting III with a <b>C</b> (or better) is recommended <b>AND</b> the <b>RGHS</b> drawing/painting teacher's signature. Students will have the advantage of improving their work ethics, independent goal setting, and work skills through creating their own individual educational plans and goals for advanced projects with an emphasis on portfolio development. A serious art student will be their own "boss" while exploring and inventing new and unique ways to challenge their own ideas, skills, techniques, and self selected media. Guidance through this process will be given as needed. <b>Fee \$40.00</b>				
<b>PHOTOGRAPHY I</b>	15575	0.5	9-12	None	No
Meets Graduation Requirements in: <u>FINE ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Students need to have consistent access to a digital camera with shooting mode options that include manual mode (M). This course is an introduction to photography as a fine art medium and develops skills necessary for basic camera control, digital imaging, digital printing, and the use of Photoshop for editing. <b>Fee: \$40.00.</b>				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>PHOTOGRAPHY II</b>	15580	0.5	9-12	Photo I	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	A digital camera with shooting mode options that include manual mode (M). Photography II is a further exploration of the camera with an emphasis on manual camera control, darkroom printing/film developing, and individual creativity. Coursework will include darkroom as well as digital processing. <b>Fee: \$40.00</b>				
<b>PHOTOGRAPHY III</b>	15582	0.5	9-12	Photo II	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	A digital or film SLR camera is required. Photography III integrates specific skill-building lessons for digital and darkroom photography with independently designed projects to maximize growth as an artist. Work is done toward creating a portfolio of work toward formal presentation. <b>Fee \$40.00</b>				
<b>PHOTOGRAPHY IV</b>	15585	0.5	10-12	Photo III	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	A digital or film SLR camera is required. Independent study toward growth in an area of choice with daily consultation and guidance of instructor. Portfolio required at end of semester in professional submission form. <b>Fee \$40.00</b>				
<b>SCULPTURE I</b>	15550	0.5	9-12	None	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Sculpture I is designed to give the students the opportunity to express their thoughts and ideas in a three dimensional form. Students should have an open mind, positive attitude and good work ethics when we explore additive, subtractive, abstract and realistic sculpting techniques. Students will be using professional sculpting tools to help aide in their creative process. Projects and materials used in this class may include oil and ceramic clays, wood, metals and stones for carving. <b>Fee: \$40.00</b>				
<b>SCULPTURE II</b>	15555	0.5	9-12	Sculpture I	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Sculpture II is an extension of Sculpture I. Student focus will be to express their ideas using the Elements of Art and the Principals of Design and applying their personal artistic styles to their works of art. Completion of Sculpture I with a <b>C</b> (or better) is recommended or permission from the sculpture instructor. Exploration with various materials and techniques will be applied to their sculptural designs. Projects and materials used in this class may include clays, wood, plaster, bronze casting, and stones for carving. <b>Fee: \$40.00</b>				

# Computer Science, Technology, and Business

Department Chair: Janna Robinett

## Required District Computer Competency Guidelines:

Students will be assessed on their abilities in Word Processing, Spreadsheets, Databases, Presentation, Technology Fundamentals, Terminology, Online Research, Multimedia Communication, and Technology Ethics. Successful completion of a technology course will count as .5 credits towards the 1.0 Practical Arts graduation requirements.

## Course Offerings

Grade	Courses Offered
9	Microsoft Office Applications Multimedia I Survey Course Multimedia II Desktop Publishing Multimedia II Web Design Multimedia II Video Production Tech Lab I Tech Lab II (taking Tech Lab I Semester 1) Introduction to Computer Science (Programming) Business Management I
10	Courses listed above available to 9-12 <sup>th</sup> grade Multimedia II Advanced Survey Course Multimedia III Adv. Desk Pub. Multimedia III Television Production (RCTV) Multimedia III DCTV Academy Tech Lab I, II, III Courses listed above available to 9-12 <sup>th</sup> grade Business Management II Accounting I AP Computer Science A
11	Courses listed above Tech Lab I, II, III Tech Lab IV/Pre-Engineering Courses listed above Tech Support Accounting II Business Law Marketing I / DECA Work Experience AP Computer Science A
12	Courses listed above Courses listed above Entrepreneurship Marketing II / DECA AP Computer Science A

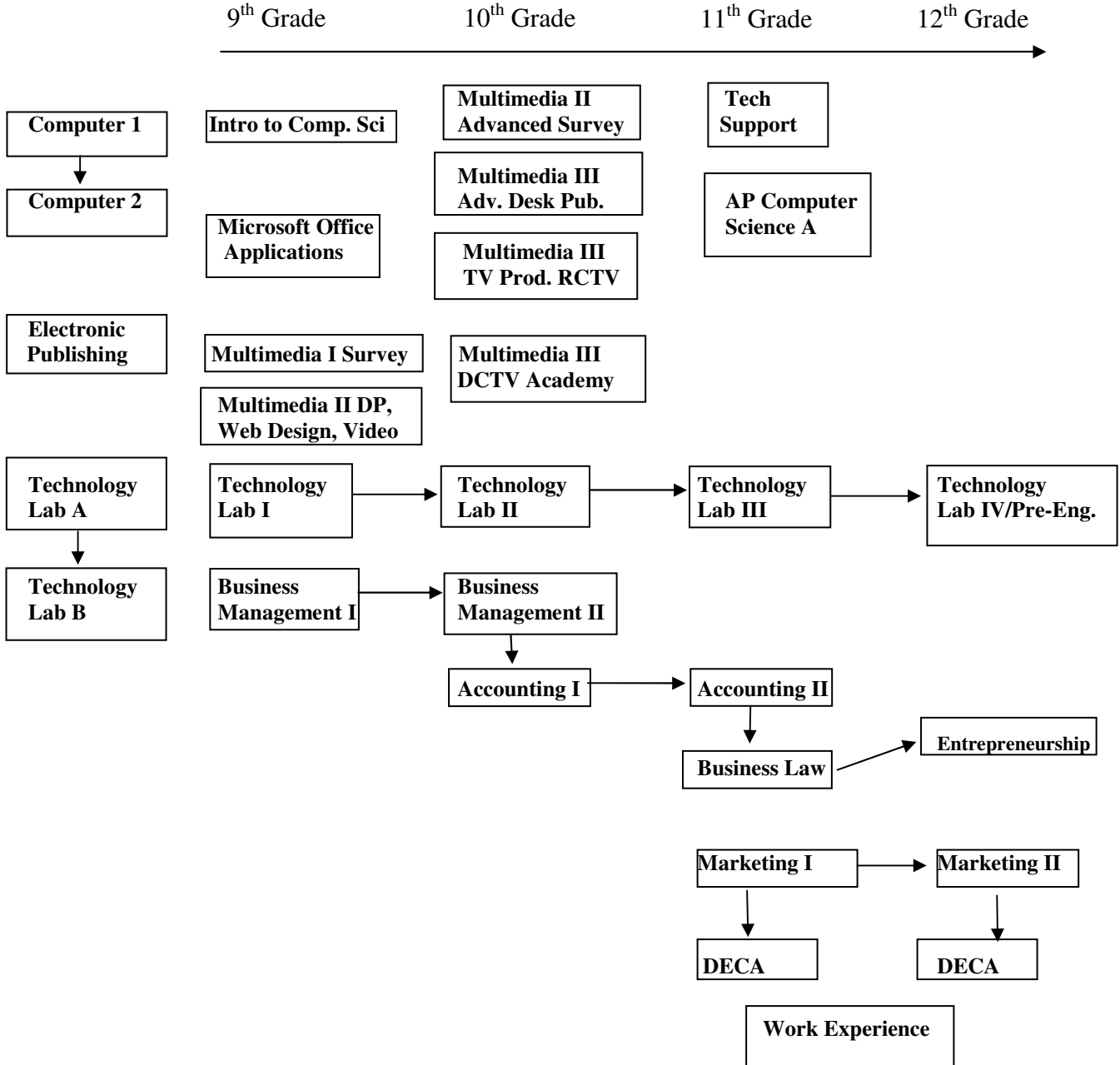
**Registration for Advanced Placement (AP) classes can be found under the Advanced Placement Course Section beginning on page 72.**

**Registration for each course requires a signature from the current computer science/technology/business teacher and passing the prerequisite course with a C or better is recommended, unless stated otherwise.**

# 7-12 Computer Science, Technology, and Business Flow Chart

## RHMS Courses 7-8

## RCHS Courses 9-12





# COMPUTER SCIENCE AND TECHNOLOGY

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>MICROSOFT OFFICE APPLICATIONS</b>	25425	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	This course includes word processing, database, spreadsheet, graphics, integrated software, desktop publishing, and telecommunication for personal, business, and college use. Upon completion of this course students will have the option to take the Microsoft Office User Specialist certification exam (for Word and Excel) for an additional charge.				
<b>MULTIMEDIA I-Survey Course</b>	30575	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	This course for computer literate students focuses on using a variety of different software to develop multimedia productions. Students will create professional multimedia presentations that incorporate text, graphics, video and sound. One of the major outcomes of this course will be that students will be able to effectively maneuver through cyberspace, research, collect information, and be able to output that information in a professional, media-rich manner. Students will have the opportunity to apply these skills while using state of the art advanced hardware and professional software. Students will be introduced to graphic/web design, video/audio production, and animation. <b>Fee: \$35.00</b> required for consumables.				
<b>MULTIMEDIA II-Advanced Survey Course</b>	30580	0.5	10-12	Multimedia I-Survey Course	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	This course focuses on using advanced software to create multimedia productions using different mediums through graphic presentations, video, and web. One of the major outcomes of this course will be that students will be able to effectively maneuver through cyberspace, research, collect information, and be able to output that information in a professional, media-rich manner. <b>Fee: \$35.00</b> required for consumables.				
<b>MULTIMEDIA II-Desktop Publishing</b>	30600	0.5	9-12	Multimedia I/Teacher Sig.	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	Designed for those students who want to take the next step in the development of electronic publishing, web design, using advanced applications such as the Adobe Creative Suite. Students will learn to manipulate different file types and content to fit their projects. Students will rely heavily on their creativity to lay out these documents and will demonstrate design skill to enhance their products. <b>Fee: \$35.00</b> required for consumables.				
<b>MULTIMEDIA II-Web Design</b>	30601	0.5	9-12	Multimedia I/Teacher Sig.	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	Students will move beyond the introductory level of electronic media for students to learn intermediate skills in web design. Using the Adobe Creative Suite, students will integrate all facets of layout, graphic design, and Flash animation to create professionally done web sites. It is encouraged that all students have a comfortable level with computers and have worked with digital media previously (graphic design or desktop publishing). <b>Fee: \$35.00</b> required for consumables.				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>MULTIMEDIA II-Video Production</b>	31000	0.5	9-12	Multimedia I/Teacher Sig.	No
Meets Graduation Requirements in: PRACTICAL ARTS ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course covers the basics and advanced processes of TV and video production. Students will learn all aspects of video production including camera techniques, editing, directing, lighting, and sound. Students will have the opportunity to create video projects including professional reports, commercials, documentaries, and short film productions. Students enrolled in this course are expected to complete work requiring a high degree of independence and responsibility. <b>This is the main pre-requisite to get into Multimedia III courses Video Production (RCTV) and DCTV Academy. Fee \$35.00</b> required for consumables.				
<b>MULTIMEDIA III-Adv. Desk Pub.</b>	31025	0.5	10-12	Multimedia II-Desk Pub.	No
Meets Graduation Requirements in: PRACTICAL ARTS ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Successful completion of Multimedia II-Desktop Publishing. Students will move beyond the intermediate level of electronic media for students to learn advanced desktop publishing skills. <b>Fee: \$35.00</b> required for consumables.				
<b>MULTIMEDIA III-Television Production (RCTV)</b>	31035	0.5	10-12	Multimedia II-Video Prod. & Multimedia I	No
Meets Graduation Requirements in: PRACTICAL ARTS ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Successful completion of Multimedia I and Multimedia II - Video Production is required. This course demands a high level of creative ability and rigorous analytical skills. The focus of the course is two-fold: 1) the intensive study of television and film production techniques and 2) the hands-on production of a daily television news show RC-TV broadcast to the school along with producing short-films/field reports for the broadcasts. Students will be responsible for learning in a variety of ways: the production of television broadcasts and segments and television segments or shows. You must have a signature from Mr. Dunkle, Mr. Hall, or Mr. McClurg along with the above prerequisites to get into this course. <b>Fee: \$35.00</b> required for consumables.				
<b>MULTIMEDIA III - DCTV ACADEMY</b>	31040 (S1) 31040 (S2)	0.5	10-12	Multimedia II-Video Prod. & Multimedia I	No
Meets Graduation Requirements in: PRACTICAL ARTS ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Public Speaking and Multimedia I is highly recommended. The DC8 Television Academy offers students who have a high interest in TV broadcast communication to put together content rich television programs that appear on the Douglas County Educational television channel 8. Writing, organizing, making contacts outside of school, and building sets are all areas worked on in the class. Students will work in groups to create segments using high end technical equipment such as camcorders, microphones, and editing equipment that will be used to film, edit, and export their show to viewing capabilities. <b>Fee: \$35.00</b> required for consumables.				
<b>TECH SUPPORT</b>	30526 (S1) 30526 (S2)	0.5	11-12	Teacher Signature	No
Meets Graduation Requirements in: PRACTICAL ARTS ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Students must get a Technology Instructor's signature along with receiving an "A" in at least 2 computer courses is recommended. Students will help assist with technical issues around the building, assist in helping with computer classes, as well as helping with the TV Production videos, video yearbook, the school web site, and independent projects.				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>TECHNOLOGY LAB I</b>	30700	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Recommend completion of Information Processing I or Tech Lab in middle school. The course is designed to help students: 1) Develop logical thinking and problem solving skills; 2) Introduce them to the state-of-art technology and its applications; 3) Enter technology fields; and 4) Enable them to apply technology in a variety of careers. Students will have an introduction to robotics, video production, science and math simulations, manufacturing and production technology (including electronics, pneumatics, computer-aided design/drafting (CAD), and product design), and data acquisition for analysis. Students will also learn about programming, graphics design, and desktop publishing. <u>This course satisfies the Computer Literacy graduation requirement.</u> <b>Fee \$35.00</b> required for consumables.				
<b>TECHNOLOGY LAB II</b>	30705	0.5	10-12	Tech Lab I	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Successful completion of Technology Lab I and a signature from their instructor. Students will focus on two to three career specialties. The options are computer graphics and design, electronics, CAD, computer simulations, multimedia and video production, or control technology. The students will focus on all aspects of the industry and the students will chose which area they focus on. <b>Fee \$35.00</b> required for consumables.				
<b>TECHNOLOGY LAB III</b> <b>Exploration and Challenges</b>	30710	0.5	10-12	Tech Lab II	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Successful completion of Technology Lab I and II and a signature from their instructor. This course is designed for students who wish to use the Tech Lab environment to develop independent study projects that will benefit the school and/or the community. Students can work in teams to create a detailed project plan, and create their own body of evidence for assessment. Professional portfolios will assist students in future education and/or employment and/or employment placements. <b>Fee \$35.00</b> required for consumables.				
<b>TECHNOLOGY LAB IV / PRE-ENGINEERING</b>	30715	0.5	11-12	Tech Lab I & Physics	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Successful completion of Technology Lab I and Physics and a signature from their instructor. Upon completing this course, students will have an understanding of how engineers implement the design process to build new technologies using math, science, and ingenuity. In addition, students will be exposed to new and relevant applications of mathematics, science, and technology to current engineering problems while developing their computer skills. Finally, students will be exposed to a variety of current and future career opportunities in engineering and technology related fields. <b>Fee \$35.00</b> required for consumables.				
<b>INTRODUCTION TO COMPUTER SCIENCE</b>	30455	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Students will be introduced to computer programming and topics in computer science. Students will develop a solid foundation in the logic structures, which are essential to all programming languages. Students will create basic business, math, graphics, and game applications. This course is designed to be a precursor to students acquiring more specific programming skills at local colleges during their junior or senior year of high school.				

# BUSINESS COURSES

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>BUSINESS MANAGEMENT I</b>	25705	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course is designed to help students understand many aspects and elements in the field of business. Business Principles will show how all phases of business activity affect the consumer. Content includes the following: Economics, Marketing, Management, Business Structures, Finance, Careers, Credit Use/Banking, and Consumer Rights.				
<b>BUSINESS MANAGEMENT II</b>	25710	0.5	10-12	Business Mgmt I	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This class will cover government and business interactions, global economics, and international business. In addition, personal business skills including credit, banking consumerism, investments, and budgeting are main focuses for students.				
<b>ACCOUNTING I</b>	25451 S1-Fall 25451 S2-Spring	0.5	11-12	Accounting I	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> 10th grade students need teacher approval. Students will learn the steps in the accounting cycle, which includes analyzing source documents, journalizing, posting, trial balance, multi-column worksheet, income statement, statement of changes in owner's equity, balance sheet, and post closing trial balance. Check writing and bank reconciliation, as well as, income tax preparation are included. This valuable course will give students life long skills for personal record keeping, prepare them for advance studies of business and accounting, and provide a solid background for entry level job opportunities. This course is a must for business. <b>Fee: \$25 for workbook.</b>				
<b>ACCOUNTING II</b>	25455(S1) 25455(S2)	1.0	11-12	Accounting I	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Accounting II is a must for Business Majors. Students learn depreciation methods: straight line, double declining balance, sum of the year's digits, and units of production methods. Other topics are maturity date and value of notes receivable, dishonored and discounted notes receivable, accruals/deferrals, methods of inventory such as : FIFO, LIFO and weighted average cost, interest-bearing notes payables, discounted notes payable, unearned revenue, bonds and bond sinking funds, stocks and stock dividends, forms of organization such as sole proprietorships, partnerships, and corporations. <b>Fee: \$25.00 for workbook.</b>				
<b>BUSINESS LAW</b>	25475	0.5	11-12	Business Mgmt I	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course deals with a study of our legal system, the courts, and the law in relation to minors, as well as, a study of contracts and bailments. This course is designed to introduce students to Business Law in their everyday lives. Emphasis is placed on the study of legal rights and obligations that individuals will encounter in everyday business transactions, as well as, in personal life. Consideration is given to problems and situations that require analysis of rights and responsibilities in legal agreements and relationships. A survey of the division of law and court system is presented. The course ends with a student driven Mock Trial. <b>Fee: \$22.00 for workbook.</b>				
<b>ENTREPRENEURSHIP</b>	25525	0.5	12	Business Law	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Business Law or teacher recommendation. The Entrepreneurship class will involve the study of the nature of small business by category, ownership type, functions of management, marketing and promotion, finance and accounting, and organization. <b>Fee: \$22.00 for workbook.</b>				

## BUSINESS COURSES

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>MARKETING I / DECA</b>	25570(S1) 25570(S2)	1.0	11-12	Business Mgmt I	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course is designed to teach students marketing foundations and functions. It also sets the stage for further studying of marketing in higher education. The class will also introduce students to the real world of work and help them prepare for a marketing career. Principal units of the course will be selling, promotion, distribution, pricing, purchasing, marketing, product/service planning, financial and advertising. Membership and participation in DECA (Distributive Education Clubs of America) is an integral component of the curriculum, and will provide students the opportunity to compete against other marketing students at a variety of district, state, and national level competitions. <b>Fee: \$35.00</b> for DECA membership and consumables.				
<b>MARKETING II / DECA</b>	25572(S1) 25572(S2)	1.0	12	Marketing I / DECA	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Successful completion of Marketing I and DECA with a grade of B or higher is recommended or a signature from their instructor. This course is designed to teach students advanced marketing foundations and functions. Topics covered include the free enterprise system and world economies; domestic and global marketplaces; advanced sales skills; visual merchandising and display; publicity and public relations; marketing research; distribution and logistics; sports and entertainment marketing; career exploration and more. Membership and participation in DECA (Distributive Education Clubs of America) is an integral component of the curriculum, and will provide students the opportunity to compete against other marketing students at a variety of district, state and national level competitions. <b>Fee: \$35.00</b> for DECA membership and consumables.				
<b>WORK EXPERIENCE</b>	20135(S1) 20135(S2)	Sem. 1/2	11-12	Business Mgmt I	No
Meets Graduation Requirements in: <u>PRACTICAL ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This Work Experience is for juniors and seniors who are concurrently registered in a Business course. The GPA weight = 0 since this is a Pass/Fail component. It requires 110 hours of work each semester.				

# World Language

Department Chair: Dayna Moore

## Course Offerings

Grade	Courses Offered
9	French I, IB, II, III Chinese I, II, III Spanish I, IB, II, III Italian I (teacher approval)
10	French I, II, III, IV Chinese I, II, III, IV Spanish I, II, III, IV Italian I (teacher approval)
11	French I, II, III, IV, V, AP French Language Chinese I, II, III, IV Spanish I, II, III, IV, V, AP Spanish Language Italian I
12	French I, II, III, IV, V, AP French Language Chinese I, II, III, IV Spanish I, II, III, IV, V, AP Spanish Language Italian I

**Registration for Advanced Placement (AP) classes can be found under the Advanced Placement Course Section beginning on page 72.**

Registration for each course requires a signature from the current world language teacher and passing the prerequisite course with a B or better is recommended, unless stated otherwise.

## WORLD LANGUAGE FLOW CHART

ROCKY HEIGHTS MIDDLE SCHOOL & ROCK CANYON HIGH SCHOOL

Chinese

French

Spanish

Italian

### Options for World Language Classes:

#### Middle School

#### High School

6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
IA	IA	IA	I or IB	I	I	I
	IB	IB	II	II	II	II
		II	III	III	III	III
				IV	IV	IV
					V or AP	V or AP

Students who earn a “B” or higher in a world language class are considered successful and will be recommended to advance to the next level.

*\*If a student wishes to reach the AP Level in a world language, they must begin studying the language in the 6<sup>th</sup> or 7<sup>th</sup> grade.*

*\*\*Level 2 Middle School students who earn an “A” or “B” will receive high school credit.*

# WORLD LANGUAGE

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>FRENCH I</b>	95400	1.0	9-12	None	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> <input type="checkbox"/> <u>X</u> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	Students in this course will learn the basic skills of listening, speaking, reading, and writing. Material covered includes simple grammatical structures and vocabulary with an emphasis on communication. This fast-paced class is the equivalent of French 1A and 1B and will require extra study time outside of class to master skills and learn vocabulary. At the end of this course, students with a grade of "A" or "B" will be recommended for French II.				
<b>FRENCH IB</b>	95460	1.0	9	French IA	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> <u>X</u> May be taken <u>only</u> once for credit	This course is for students who have successfully completed French IA at the middle school. It covers the second half of French I in depth. Students who successfully complete this course will be ready for French II.				
<b>FRENCH II</b>	95410	1.0	9-12	French I or IB	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> <input checked="" type="checkbox"/> <u>X</u> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	This course is a continuation of French I or 1B with emphasis on learning new and more complex vocabulary and grammar. In addition, students will begin to integrate skills studied in French I/IB for more sophisticated oral and written communication. Students will also continue to study culture in greater depth. Students who complete this course with an A or a B will be recommended for French III.				
<b>FRENCH III</b>	95420	1.0	9-12	French II	Yes
Meets Graduation Requirements in: <u>PRA. FNA</u> <input checked="" type="checkbox"/> <u>X</u> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	In this course, students begin fine tuning their language through expressions, constructions, additional verb tenses, and moods. The use of French language in class increases greatly. This class can count for a Practical or Fine Art credit.				
<b>FRENCH IV</b>	95435	1.0	10-12	French III	Yes
Meets Graduation Requirements in: <u>PRA. FNA</u> <input checked="" type="checkbox"/> <u>X</u> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	In this course, students and teacher communicate mainly in the French language. Students will perfect their grammar skills with review of previously taught materials and introduction of advanced structure through listening, speaking, reading, and writing. Reading is from native authors. This class can count for a Practical or Fine Art credit.				
<b>FRENCH V</b>	95436	1.0	11-12	French IV	Yes
Meets Graduation Requirements in: <u>PRA. FNA</u> <input checked="" type="checkbox"/> <u>X</u> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	French V is designed for those students not wishing to take the Advanced Placement class. These students will focus their communicative skills via impromptu and spontaneous conversations, interviews, and debates. They will build their vocabulary using thematic units. A workbook fee may be required.				



Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>SPANISH I</b>	95600	1.0	9-12	None	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	Students in this course will learn the basic skills of listening, speaking, reading, and writing. Material covered includes simple grammatical structures and vocabulary with an emphasis on communication. This fast-paced class is the equivalent of Spanish 1A and 1B and will require extra study time outside of class to master skills and learn vocabulary. At the end of this course, students with grades of "A" or "B" will be recommended for Spanish II. <u>A workbook fee is required.</u>				
<b>SPANISH IB</b>	95605	1.0	9	Spanish IA	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course is for students who have successfully completed Spanish IA at the middle school. It covers the second half of Spanish I in depth. Students who successfully complete this course will be recommended for Spanish II. <u>A workbook fee is required.</u>				
<b>SPANISH II</b>	95610	1.0	9-12	Spanish I, IB	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	This course is a continuation of Spanish I with emphasis on learning new and more complex vocabulary and grammar. In addition, students will begin to integrate skills studied in Spanish I/IB for more sophisticated oral and written communication. Students will also continue to study culture in greater depth. Students who complete this course with an A or a B will be recommended for Spanish III. <u>A workbook fee is required.</u>				
<b>SPANISH III</b>	95620	1.0	9-12	Spanish II	Yes
Meets Graduation Requirements in: <u>FNA, PRA</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	In this course, students begin fine tuning their language through expressions, constructions, additional verb tenses, and moods. The use of the Spanish language in class increases greatly. This class can count for a Practical or Fine Art credit. <u>A workbook fee is required.</u>				
<b>SPANISH IV</b>	95631	1.0	10-12	Spanish III	Yes
Meets Graduation Requirements in: <u>FNA, PRA</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	In this course, students and teacher communicate mainly in the Spanish language. Students continue improving their fluency in speaking, reading, writing, and listening. Students begin reading from works of native authors and examining the connection between culture and language. This class can count for a Practical or Fine Art credit. <u>A workbook fee is required.</u>				
<b>SPANISH V - CONVERSATION</b>	95660	1.0	11-12	Spanish IV	Yes
Meets Graduation Requirements in: <u>FNA, PRA</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	ADVANCED CONVERSATION is designed for those students not wishing to take the Advanced Placement class or for students who have already taken AP Spanish. These students will focus their communicative skills via impromptu and spontaneous conversations, interviews and debates. They will build their vocabulary using thematic units. <u>A workbook fee may be required.</u>				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>CHINESE I</b>	95730	1.0	9-12	None	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Students in this course will learn to speak, listen, read, and write using fundamental skills in Chinese and will learn the culture and other historical aspects of Chinese civilization. Students will study simple grammatical structure which includes word use and Chinese character use in sentence structure. Students are expected to practice their vocabulary words in Pinyin and written Chinese characters. Because the language is tonal in nature, this course requires good listening skills for speaking and listening.				
<b>CHINESE II</b>	95731	1.0	9-12	Chinese I, IB	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course continues to prepare students to develop proficiency in listening, reading, writing, and speaking Chinese. Practice of all grammatical structures and vocabulary using both Pinyin and Chinese characters continues.				
<b>CHINESE III</b>	95732	1.0	9-12	Chinese II	Yes
Meets Graduation Requirements in: <u>PRA, FNA</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	In this course, students begin fine-tuning their language with more sophisticated expressions, constructions, and grammatical structures that are more like a native speaker in quality. The use of the Chinese language in class increases greatly. Students will expand fluency in reading and writing Chinese characters and deepen their understanding of Chinese culture.				
<b>CHINESE IV</b>	95733	1.0	10-12	Chinese III	Yes
Meets Graduation Requirements in: <u>PRA, FNA</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	In this course, students and teacher communicate mainly in the Chinese language. Students continue improving their fluency in speaking, reading, writing and listening.				
<b>ITALIAN I</b>	95810	1.0	9-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite: Teacher signature is required. This course is recommended for juniors and seniors who have already completed level 3 of another World Language.</b> Students in this course will learn the basic skills of listening, speaking, reading, and writing in Italian. Italian culture will also be taught in this course. Material covered includes simple grammatical structures and vocabulary with an emphasis on communication. Students who successfully complete this course will be ready for Italian II. Students may not change classes at semester. This is a year-long course. <u>A workbook fee may be required.</u>				

# Language Arts

Department Chair: Jack Kennedy

## Course Offerings

All students must take a full-year English core course each of their four years at RCHS. It is highly recommended that students choose several of the semester-long electives we offer as a way to explore new possibilities and expand on language arts skills.

Grade	Core Courses	Electives	
9	English I or English I Honors	Journalism Photojournalism Public Speaking Competitive Speech	Creative Writing I Literature of Film I
10	English II or English II Honors	Journalism Photojournalism Public Speaking Competitive Speech Newspaper Yearbook	Creative Writing I and II Literature of Film I and II Science Fiction/Fantasy Contemporary Literature
11	English III or AP Language and Composition	Journalism Photojournalism Public Speaking Competitive Speech Newspaper Yearbook	Creative Writing I and II Literature of Film I and II Science Fiction/Fantasy Contemporary Literature
12	World Literature and Composition or AP Literature and Composition or Senior Studies (English & SS Elective Credit)	Photojournalism Public Speaking Competitive Speech Newspaper Yearbook	Creative Writing I and II Literature of Film I and II Science Fiction/Fantasy Contemporary Literature College Prep Writing

Materials will differ a bit from class to class, but some general fee expectations include:

- A consumable vocabulary workbook may be required.
- All entering 9<sup>th</sup> graders and sophomore transfers are required to purchase a copy of Writer's Inc., which will be used all four years at RCHS.
- Students taking Honors or AP level courses are encouraged to purchase novels for annotation.

**Registration for Advanced Placement (AP) can be found under the Advanced Placement Course Section beginning on page 72.**

Registration for each course requires a signature from the current language arts teacher and passing the prerequisite course with a C or better is recommended, unless stated otherwise.

# Department Summary

## **For all Language Arts students:**

All grade levels (beginning with entering 9<sup>th</sup> graders, and extending through seniors), will receive summer reading assignments in May of each year. These will vary by course you will be entering, but must be completed prior to the beginning of the new school year. All books assigned will be accessible enough that they can be found in local libraries, on-line or through local bookstores.

Department policy is that students may switch levels (e.g. from English II to English II Honors, or vice versa) only at the semester, and only after students, parents and instructors determine such a change is best for students.

## **Grade 9**

Prerequisites for English I Honors = must be Advanced or Proficient in reading and writing on CSAP – 7<sup>th</sup> grade, plus at least a B average in English 8 and a B average in Work Habits.

## **Grade 10**

Prerequisites for English II Honors = must be Advanced or Proficient in reading and writing on CSAP – 8<sup>th</sup> grade, plus at least a B average in English I or English I Honors.

## **Grade 11**

Prerequisites for AP Language and Composition = must be Advanced or Proficient in reading and writing on CSAP – 9<sup>th</sup> grade, plus at least a B average in English II or English II Honors.

## **Grade 12**

Prerequisites for AP Literature and Composition = must be Advanced or Proficient in reading and writing on CSAP – 10<sup>th</sup> grade, plus at least a B average in English III or AP Language and Composition.

# LANGUAGE ARTS

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>ENGLISH I</b>	50300	1.0	9	None	Yes
Meets Graduation Requirements in: <u>LANGUAGE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	This year-long course is designed to help students' transition to the high school English program by refining and strengthening reading, writing, and communication skills. It gives students the opportunity to develop an understanding and appreciation of world literature. Students will study literature through the genres of novel, drama, short story nonfiction, and poetry, as well as through common themes. Students are evaluated using the DCSD reading and writing standards and proficiencies are reported at the end of the year. The study of grammar, vocabulary, usage and mechanics will be integrated with the students' writing. Homework plays an essential role in the course along with the study of vocabulary. <u>Fee for workbooks (approximately \$36).</u>				
<b>ENGLISH I HONORS</b>	50310	1.0	9	Application	Yes
Meets Graduation Requirements in: <u>LANGUAGE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	The year-long, accelerated course includes the literature and writing experiences of English I at an accelerated level. The course is intended for students capable of a challenging curriculum, and it provides a strong foundation for subsequent Honors and Advanced Placement English classes. In Honors English I, students will be expected to handle a greater amount of assigned reading than in English I and will compose more sophisticated essays, including the critical analysis essay and persuasive essay. Honors English I students will also study vocabulary. Homework is an essential part of the course, and students will be expected to complete summer reading in preparation of the school year. Students are evaluated using DCSD reading and writing standards. <u>Fee for workbooks (approximately \$36).</u>				
<b>ENGLISH II</b>	50330	1.0	10	None	Yes
Meets Graduation Requirements in: <u>LANGUAGE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	English II is a year-long course intended to help students strengthen their writing, reading, and communication skills. Students will study a variety of themes, using the genres of novel, short story, nonfiction, poetry, essay, speeches and drama from world authors. In addition, students will be expected to successfully compose a major research paper; multi-paragraph, thesis-driven essays; critical analysis essays; essay tests; nature writing; and first person, narrative accounts. Homework plays an essential role in the course, along with the study of vocabulary. Students are evaluated using DCSD reading and writing standards. <u>Fee for workbooks (approximately \$36).</u>				
<b>ENGLISH II HONORS</b>	50340	1.0	10	Application	Yes
Meets Graduation Requirements in: <u>LANGUAGE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	This year-long, accelerated course includes much of the literature, vocabulary study, and writing experiences of English II, but at an accelerated level (reading assignments, homework, and complexity of writing will be augmented). This course is intended for students capable of a challenging curriculum and provides a strong foundation for subsequent Advanced Placement English classes. In addition, the study of grammar, usage, and mechanics will be integrated with the students' writing. Students will also be given the opportunity to meet several district reading and writing standards. In addition to the increased homework load, Honors English II students will be expected to complete a summer reading component in preparation for this upcoming school year. <u>Fee for workbooks (approximately \$36).</u>				
<b>ENGLISH III</b>	50360	1.0	11	None	Yes
Meets Graduation Requirements in: <u>LANGUAGE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	This course will emphasize the diverse literary and cultural traditions that coincide with the economic, geographic and government developments in American History from Puritan writers to the present. Readings will include novels, poetry, plays and nonfiction texts. <u>Fee for workbooks (approximately \$36).</u>				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>WORLD LIT AND COMP</b>	50571	1.0	12	None	Yes
Meets Graduation Requirements in: <u>LANGUAGE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	The senior-level, yearlong course is designed for college-bound students to better understand the world through its literature – past and present. Composition, interwoven throughout the study of diverse literature, will be designed to help students write with clarity and effectiveness to better prepare them for a variety of college writing situations. The building of vocabulary will also be incorporated with the wide-ranging scope of literature. Out-of-class work is an essential component of the course. <u>Fee for workbook (approximately \$15).</u>				
<b>SENIOR STUDIES (English &amp; SS Credit)</b>	40419	2.0	12	None	Yes
Meets Graduation Requirements in: English & SS Elective <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Senior Studies is a team-taught, two-credit, two-period class that combines language arts, social studies, and service-learning. The first semester offers an interdisciplinary approach to thematic units - Induction, Writing, Local History, Education, Social Responsibility, Crime & Punishment, Race, and Personal Expression. The class provides students more experiential learning opportunities through field trips, panel discussions, long-term service projects, and group work. During the second semester, students partake in an independent project of their own design. Projects range from internships to art exploration to service projects to academic research. At the end of the semester students present their work to a committee of adults and peers, as well as to a larger audience during a Community Presentation. <u>50 hours of community service are required each semester.</u> *Students will need access to a reliable form of transportation.				

## COMMUNICATIONS

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>PUBLIC SPEAKING</b>	50700	0.5	9-12	None	No
Meets Graduation Requirements in: <u>ELECTIVE</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	In this course students will develop self-confidence through writing and presenting speeches on various subjects. Developing skills in researching, outlining, speech writing, and critical listening will be stressed, with special emphasis on organization and delivery of speeches. Practical application of public speaking skills will also be demonstrated through group discussion activities. Note: students must also be enrolled in English I, II, III, or IV. This is a required course for graduation for the class of 2011 and is highly recommended for all other graduating classes 2012 and beyond.				
<b>COMPETITIVE SPEECH I &amp; II</b>	50720-Fall 50725-Spring	0.5	9-12	None	No
Meets Graduation Requirements in: <u>ELECTIVE</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Teacher recommendation. This course is designed to prepare students for competition within state and national guidelines. <b>A CENTRAL ASPECT OF THE CLASS IS TOURNAMENT COMPETITION. To pass the class students will be required to attend a minimum of two tournaments during the course of each semester.</b> Tournaments are typically held on Saturdays at area schools and a student is committed to attend for the entirety of the tournament. Students will choose from a variety of events, including dramatic, humorous and poetry interpretation, duo interpretation, original oratory, Lincoln-Douglas Debate, Public Forum Debate, and extemporaneous speaking. Emphasis is place on skills gained in Public Speaking. Also students need to be self-motivated and able to work independently. This course may be repeated with permission of instructor. <b>This class will meet the public speaking requirement for graduation. Expenses:</b> Students will be responsible for their own tournament expenses.				

# ELECTIVES

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>JOURNALISM</b>	50406	0.5	9-11 (no seniors)	None	No
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <u>X</u> May be taken <u>only</u> once for credit	This course introduces students to the fundamentals of journalism, skills learned will include interviewing, journalistic writing, revising, editing, press law, and ethics. Students will be expected to spend after-school hours investigating and writing stories. Successful completion of this course may lead to a position on the staff of the school yearbook or the school newspaper. This is the gateway course to working on newspaper or yearbook, but also is beneficial to anyone wanting to improve writing and understanding of media. This course must be taken during the first semester if a student is planning on taking newspaper or yearbook the second semester of the same year.				
<b>PHOTOJOURNALISM</b>	50415	0.5	9-12	None	No
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <u>X</u> May be taken <u>only</u> once for credit	Photojournalism is a semester-long course that combines digital photography, processing of photographs using Adobe Photoshop and publishing work in print and on the Web. The photo skills will be complemented by practice in covering school events and writing complete captions and controlled anecdotes. Students are strongly encouraged to have use of a digital SLR camera to use during this semester, as the school has only a limited number of cameras for student use. This course is highly recommended for those interested in working on the Black & Gold yearbook.				
<b>NEWSPAPER</b>	50412(S1) 50412(S2)	0.5	10-12	Application	No
Meets Graduation Requirements in: <u>ELECTIVE</u> <u>X</u> May be taken more than once for credit ____ May be taken <u>only</u> once for credit	During this repeatable, semester-long course students will plan, write, and produce the high school newspaper. All students will write for each issue. In addition, students will take photographs; sell and design advertising; create headlines; maintain the bookkeeping system; and, in every way appropriate, be accountable for the publication of the school paper. This course requires students to be available after school, particularly during deadlines, and emphasizes a team approach to successful publication. All students will learn journalism skills such as interviewing, writing, revising, editing, and page design.				
<b>YEARBOOK</b>	50420(S1) 50420(S2)	0.5	10-12	Application	No
Meets Graduation Requirements in: <u>ELECTIVE</u> <u>X</u> May be taken more than once for credit ____ May be taken <u>only</u> once for credit	During this repeatable, semester-long course, students will plan, write, and produce the high school yearbook. Students will practice and learn journalism skills such as interviewing, writing, revising, editing, layout and design, and photography. Students will be expected to compose captions, headlines, and stories. This course requires students to be available after school, from time to time for reporting and photography, particularly during deadlines, and emphasizes a team approach to successful publication.				
<b>SCIENCE FICTION AND FANTASY</b>	50610	0.5	10-12	None	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <u>X</u> May be taken <u>only</u> once for credit	This semester course consists of a study of science fiction and fantasy literature. Students will read extensively, write responses to literature, discuss the prominent themes and prepare a variety of literary projects.				
<b>CONTEMPORARY LITERATURE</b>	50590	0.5	10-12	None	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <u>X</u> May be taken <u>only</u> once for credit	This elective semester-long course provides opportunities to read a wide variety of literature from the past 20 years. Class time involves a combination of reading, small group discussion, and written analysis. This course is specially designed for the student who loves to read but who finds too little time for pleasure reading.				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>CREATIVE WRITING I</b>	50470	0.5	9-12	None	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	During this semester elective course, students will plan, write, revise, and produce several forms of creative writing including short stories, poetry, screenplays and print or video media. Students will study examples from the various modes of creative writing to assist them in creating their own original work, and then will engage in extensive critiquing editing and rewriting activities.				
<b>CREATIVE WRITING II</b>	50480	0.5	10-12	Creative Writing I	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This elective writing course may only be taken after completion of Creative Writing I. Students will plan, write, revise, and produce several forms of creative writing, including short stories, poetry, and screenplays. The assignments will go beyond Creative Writing I, and will normally demand greater length and sophistication.				
<b>LITERATURE OF FILM I</b>	70745	0.5	9-12	None	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	During this semester elective course, students will read, study, discuss, and analyze (both orally and in writing) the literary elements present in film by approaching the films from a literary, historical and dramaturgical point of view. Students will also study how the visual media is used as propaganda.				
<b>LITERATURE OF FILM II</b>	70747	0.5	10-12	Lit. of Film I	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This elective course may only be taken after completion of Literature of Film I. Students will continue their study of how visual media affects us all, and will involve increasingly sophisticated viewing and analysis.				
<b>COLLEGE PREP WRITING I</b>	50510	0.5	12	None	Yes
Meets Graduation Requirements in: <u>ELECTIVE</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This semester-long senior elective focuses on specific writing styles and strategies most often expected in college, including researched arguments. This course MAY NOT be taken by students who have previously completed the AP Language and Composition course.				



# Mathematics

Department Chair: Joan Cloud

## Course Offerings

CCHE	Courses Offered
*	Algebra I – Part 1
*	Algebra I – Part 2
+	Algebra I
#	Applied Geometry (1 <sup>st</sup> Semester)
+	Honors Geometry
+	Geometry
-	Math of Money
#	Topics in Algebra, Geometry and Trigonometry (2 <sup>nd</sup> semester)
+	Algebra II
+	Honors Algebra II
+	College Algebra (1 <sup>st</sup> Semester)
+	Trigonometry (2 <sup>nd</sup> semester)
+	Trigonometry / Pre-Calculus
+	Honors Trigonometry / Pre-Calculus
+	Pre Calculus (1 <sup>st</sup> Semester)
+	Calculus A (2 <sup>nd</sup> Semester)
+	Discrete Math (1 <sup>st</sup> semester)
+	Probability and Statistics (2 <sup>nd</sup> semester)
+	AP Statistics
+	AP Calculus AB
+	AP Calculus BC

**Colorado Council on Higher Education (CCHE) Key to Courses Above:**

- + Accepted by CCHE as Pre-Collegiate curriculum
- \* Must be taken consecutively for 1 Algebra credit
- # Must be taken consecutively and lead to Algebra II
- Not accepted by CCHE as Pre-Collegiate curriculum

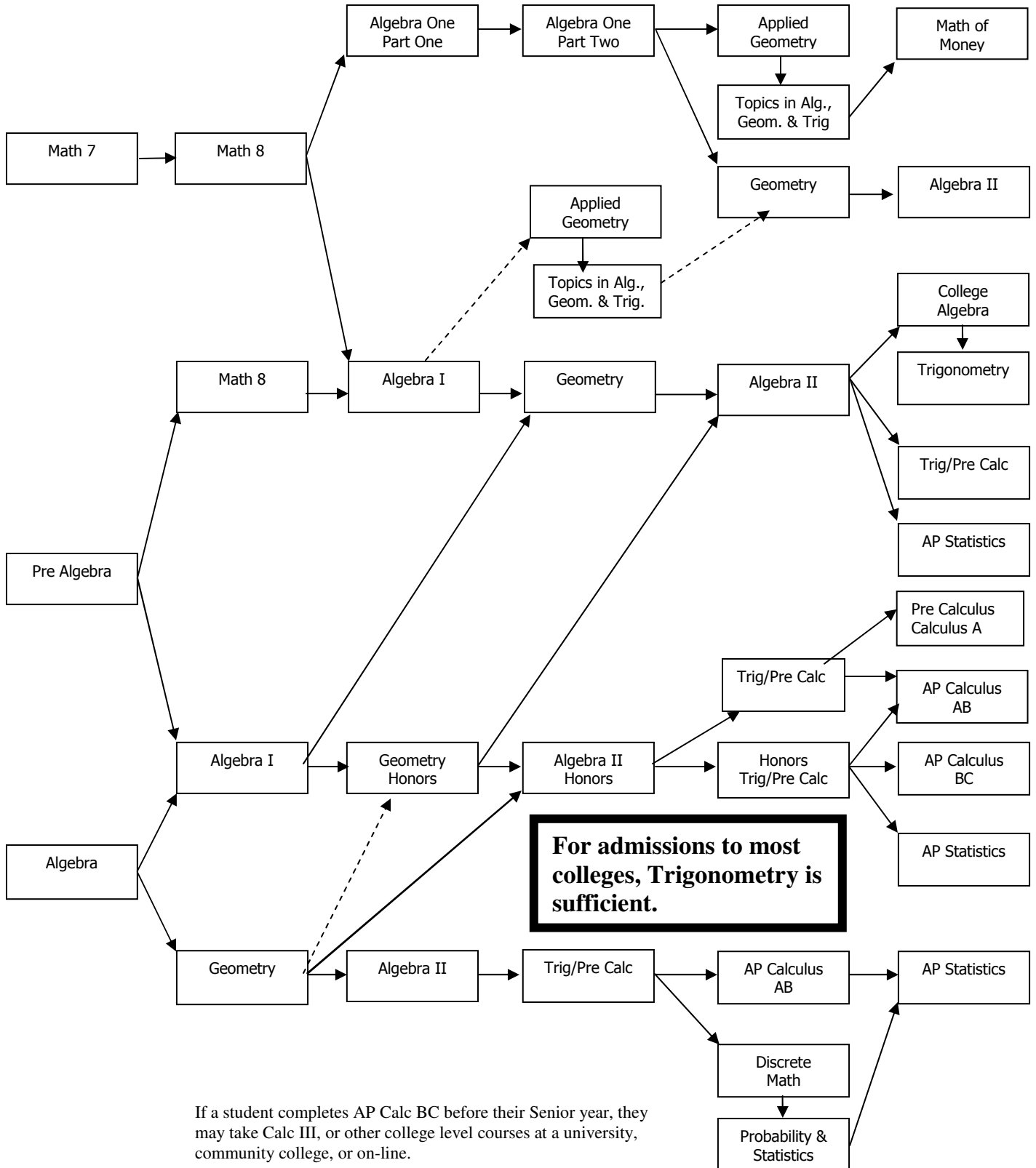
**Registration for Advanced Placement (AP) can be found under the Advanced Placement Course Section beginning on page 72.**

Registration for all math courses requires a recommendation signature from the current math teacher and stated prerequisite courses and course grades.

# RCHS Mathematics Flowchart

## Grades 7 – 12

Mathematics courses are not grade level dependent. The subsequent course is determined by the level of success in the current course. The arrows represent options for subsequent courses.



# MATH

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>ALGEBRA I</b>	60400	1.0	9-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for math credit	<p><b>Note:</b> Algebra I is appropriate placement for most incoming 9th graders. Students study variables, real numbers, first and second-degree equations, simplifying, evaluating and factoring polynomials, radicals, graphing of equations and inequalities, basic probability and statistics, and problem solving using algebra skills. Successful completion of this course is a graduation requirement.</p> <p><b>Expense:</b> Highly recommended that students who plan to continue in math purchase a graphing calculator.</p>				
<b>ALGEBRA I PART 1</b>	60380	1.0	9-10	Teacher Signature	Yes
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for math credit	<p>Students study the first half of Algebra 1 and are expected to complete the course by taking Algebra 1 Part 2 the following year. Students review basic computational skills and begin working with variables to simplify algebraic expressions and solve first-degree equations. Students study real numbers, polynomials, graphing, and problem solving using algebra skills. Geometry topics of perimeter, area, volume and surface area are also discussed. Organizational and study skills are emphasized. This class is not part of the CCHE Pre Collegiate Curriculum unless followed by Algebra I Part 2 and Geometry.</p>				
<b>ALGEBRA I PART 2</b>	60385	1.0	10-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for math credit	<p>This course is the second part of an extended Algebra I course. Students will continue their study of number sets; evaluating and factoring polynomials; first and second degree equation and inequalities; graphing; basic probability and statistics; and problem solving using algebra skills. Successful completion of Algebra I Part I and Part 2 will fulfill the Algebra I graduation requirement.</p>				
<b>GEOMETRY</b>	60475	1.0	9-12	Algebra I	Yes
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for math credit	<p>In order to be successful in Geometry, passing the RCHS math department pre-test of Algebra skills with a 75% or better and the successful completion of Algebra I is essential (in a DCSD school, grade A or B). Students study spatial relationships of two and three-dimensional figures, through logical deduction, construction activities and practical applications using problem solving strategies. <b>Expense:</b> Protractor, ruler, and compass are required. Students who plan to continue in math should purchase a graphing Calculator.</p>				
<b>GEOMETRY HONORS</b>	60450	1.0	9-10	Algebra I	Yes
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for math credit	<p><b>Prerequisite:</b> A grade of "A" in high school equivalent Algebra I. This is a faster, more rigorous study of Geometry for the highly motivated student who has exceptional algebra skills. Students study spatial relationships of two and three-dimensional figures. It is the study of mathematics by logical deduction, the construction of geometric figures, and application to problem solving. <b>Expense:</b> Protractor, ruler, and compass. Students who plan to continue in math should purchase a graphing calculator.</p>				
<b>ALGEBRA II</b>	60440	1.0	9-12	Geometry	Yes
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for math credit	<p>Students continue their study of algebraic equations and functions. Other topics include rational, irrational, exponential, and logarithmic functions and their graphs, and using problem solving skills. Calculators will be used throughout the course. <b>Expense:</b> The use of a graphing calculator will be part of this course. Students who plan to continue in math should purchase a graphing calculator.</p>				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>ALGEBRA II HONORS</b>	60550	1.0	9-11	Geometry Honors	Yes
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Students need a "B" or better in Geometry Honors and teacher recommendation. This is a rigorous course for highly motivated students. It is a comprehensive study of functions, including linear functions, quadratic functions, exponential functions, logarithmic functions, rational and irrational algebraic functions, and higher degree functions. It also includes sequences, series, and probability. <b>Expense:</b> Students who plan to continue in math should purchase a graphing calculator.				
<b>TRIGONOMETRY / PRE CALCULUS</b>	60611	1.0	11-12	Algebra II	Yes
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> It is recommended that students have a "B" or better in Algebra II or teacher signature. This course covers the study of trigonometric and circular functions and their applications, analytical geometry, and other advanced analytical topics to prepare for the study of Calculus. <b>Expense:</b> Recommended that students who plan to continue in math purchase a graphing calculator.				
<b>HONORS TRIGONOMETRY / PRE CALCULUS</b>	60752	1.0	10-11	Algebra II Honors	Yes
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Students need a "B" or better in Algebra II Honors and teacher recommendation. This is a rigorous course for highly motivated students. This course will cover the study of trigonometric and circular functions and their applications, analytical geometry and other advanced analytical topics to prepare for the study of Calculus. This course will also begin the study of Calculus to prepare students for AP Calculus BC. <b>Expense:</b> Students who plan to continue in math should purchase a graphing calculator.				
<b>APPLIED GEOMETRY</b>	60525	0.5	11-12	Algebra I	Yes *
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	The focus of this course is geometric foundations, measurement, and applications. Students taking this course will use a variety of tools and techniques to communicate the reasoning involved in solving problems. * <b>This class is not part of the CCHE Pre Collegiate Curriculum unless taken with Topics in Algebra/Geometry/Trigonometry and followed by Algebra II.</b> <b>Expense:</b> Protractor, ruler, and compass are required. Students who plan to continue in math should purchase a graphing calculator.				
<b>TOPICS IN ALGEBRA, GEOMETRY AND TRIGONOMETRY</b>	60340(S2)	0.5	11-12	Applied Geometry	Yes *
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course is an extension of Algebra and Applied Geometry and will include basic concepts of trigonometry. Students will develop test taking skills and strategies. * <b>This class is not part of the CCHE Pre Collegiate Curriculum unless taken with Applied Geometry and followed by Algebra II.</b> <b>Expense:</b> Protractor, ruler, and compass are required. Students who plan to continue in math should purchase a graphing calculator.				
<b>COLLEGE ALGEBRA</b>	60570(S1)	0.5	11-12	Algebra II	Yes
Meets Graduation Requirements in: <u>MATHEMATICS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course will continue the study of algebraic equations and functions including logarithms and conic sections. It is highly recommended that this course is taken in conjunction with Trigonometry second semester. <b>Expense:</b> Recommended that students who plan to continue in math purchase a graphing calculator.				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>TRIGONOMETRY</b>	60600	0.5	11-12	College Algebra	Yes
Meets Graduation Requirements in: <u>      </u> <u>MATHEMATICS</u> <u>      </u> May be taken more than once for credit <u>  X  </u> May be taken <u>only</u> once for credit	This course will cover trigonometric and circular functions, as well as right triangle trigonometry, laws of sine and cosine, and their applications. <b>Expense:</b> Recommended that students who plan to continue in math purchase a graphing calculator.				
<b>PRE CALCULUS</b>	60610	0.5	12	Trigonometry	Yes
Meets Graduation Requirements in: <u>      </u> <u>MATHEMATICS</u> <u>      </u> May be taken more than once for credit <u>  X  </u> May be taken <u>only</u> once for credit	This non-AP course precedes Calculus A. It covers advanced analytical topics.				
<b>CALCULUS A</b>	60674	0.5	12	Pre Calculus	Yes
Meets Graduation Requirements in: <u>      </u> <u>MATHEMATICS</u> <u>      </u> May be taken more than once for credit <u>  X  </u> May be taken <u>only</u> once for credit	This non-AP course covers topics found in the equivalent of a first semester college calculus class. Topics include limits, continuity, derivatives and integrals and their applications.				
<b>DISCRETE MATH</b>	60800	0.5	11-12	Algebra II	Yes
Meets Graduation Requirements in: <u>      </u> <u>MATHEMATICS</u> <u>      </u> May be taken more than once for credit <u>  X  </u> May be taken <u>only</u> once for credit	This is a course for college bound students emphasizing real world applications of math in business, communications and social studies. <b>Expense:</b> Recommended that students purchase a graphing calculator				
<b>PROBABILITY AND STATISTICS</b>	60775	0.5	11-12	Algebra II	Yes
Meets Graduation Requirements in: <u>      </u> <u>MATHEMATICS</u> <u>      </u> May be taken more than once for credit <u>  X  </u> May be taken <u>only</u> once for credit	This course will emphasize the use and analysis of statistics and probability in various fields. <b>Expense:</b> Recommended that students purchase a graphing calculator.				
<b>MATHEMATICS OF MONEY</b>	60916	1.0	12	Geometry/Applied Geom.	No
Meets Graduation Requirements in: <u>      </u> <u>MATHEMATICS</u> <u>      </u> May be taken more than once for credit <u>  X  </u> May be taken <u>only</u> once for credit	Students will use spreadsheets, internet sites, financial publications, and other resources to explore money and its relation to their lives. Savings, earnings, business ventures, credit cards, investments, insurance, taxes, and purchases are some of the topics to be studied. <b>Expense:</b> Workbook required. Fee: \$24.00.				

# Music

Department Chair: Joel Naegele

## Course Offerings

Grade	Courses Offered
9	Concert Band Marching Band Perc. Tech./Color Guard (Marching Perc.) Symphonic Band (Audition Only) String Orchestra Jazz Ensemble I (Audition Only)
	Music Appreciation Music Theory Women's Chorus Chorus Guitar Guitar II
10	Concert Band Marching Band Perc. Tech./Color Guard (Marching Perc.) Symphonic Band (Audition Only) String Orchestra Chamber Orchestra (Audition Only) Jazz Ensemble I (Audition Only) Jazz Ensemble II (Audition Only) Music Appreciation
	Music Theory Voice Class Women's Chorus Chorus Jazz Choir (Audition Only) Chamber Singers (Audition Only) Select Women's Chorus (Audition Only) Guitar Guitar II
11	Concert Band Marching Band Perc. Tech./Color Guard (Marching Perc.) Symphonic Band (Audition Only) String Orchestra Chamber Orchestra (Audition Only) Jazz Ensemble I (Audition Only) Jazz Ensemble II (Audition Only) Music Appreciation
	Music Theory Voice Class Women's Chorus Chorus Jazz Choir (Audition Only) Chamber Singers (Audition Only) Select Women's Chorus (Audition Only) Guitar Guitar II
12	Concert Band Marching Band Perc. Tech./Color Guard (Marching Perc.) Symphonic Band (Audition Only) String Orchestra Chamber Orchestra (Audition Only) Jazz Ensemble I (Audition Only) Jazz Ensemble II (Audition Only) Music Appreciation
	Music Theory Voice Class Women's Chorus Chorus Jazz Choir (Audition Only) Chamber Singers (Audition Only) Select Women's Chorus (Audition Only) Guitar Guitar II

**Registration for each course requires a signature from the current music teacher and passing the prerequisite course with a C or better is recommended, unless stated otherwise.**

# MUSIC

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>CONCERT BAND</b>	70355	1.0	9-12	2 Years Band	No
Meets Graduation Requirements in: <u>FINEARTS</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	<p>Concert Band students will be actively involved in the development of overall musicianship and technique. Students will study all types of music. Comprehensive musicianship will be stressed through intermediate/advanced level literature. Studies will include sight reading, listening, creating music, theory and relating music to other disciplines and cultures. This band is a performance-based class and all concerts are REQUIRED. <b>Instrument Rental:</b> \$50.00 per semester for school owned instruments. <b>Percussion Instrument Rental:</b> \$60.00 per semester including some mallets. Will need to purchase a dress or tux through school. <u>This is a year-long course.</u></p>				
<b>MARCHING BAND (Rock Canyon HS Marching Jaquars)</b>	70410	0.5	9-12	2 Years Band	No
Meets Graduation Requirements in: <u>FINEARTS</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	<p>Students will develop movement and sound production to create a field ensemble that will perform in local and state competitions, school events and home football games. Students and marching band staff will work together to develop and perfect an artistic visual presentation and perform challenging and relevant musical repertoire while learning proper performance etiquette. This class will meet during the school day, but will also have 2-3 days per week to rehearse after school. Students will have summer band rehearsals as well. Students must also realize some events take place in the evenings and on the weekends. All performances are required, not optional. <b>Fees:</b> \$115.00 District participation, \$50.00 school owned instrument rental (percussion \$60.00); \$70.00 band camp; \$18.00 t-shirt; \$6.00 gloves; \$35.00 marching band shoes (if needed); and \$50.00-\$80.00 color guard uniform for color guard members only. Consistent eligibility is mandatory. <u>A COMMITMENT must be made at registration because of drill writing and must also be enrolled in a Spring Band course.</u></p>				
<b>PERCUSSION TECHNIQUES</b>	70400(S1)	0.5	9-12	Audition	No
Meets Graduation Requirements in: <u>FINEARTS</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	<p><b>Prerequisite:</b> Audition/placement and Director's approval. <u>This course is open to marching band percussionist/color guard during the 1st quarter only.</u> Students will develop movement and sound production to create a field ensemble that will perform in local and state competitions, school events and at home football games. Students and marching band staff will work together to develop and perfect an artistic visual presentation and perform challenging and relevant musical repertoire while learning proper performance etiquette. This class will meet during the school day but will also have 2 to 3 days per week to rehearse after school. Students must also realize some events take place in the evenings and on the weekends. All performances are required, not optional. It should also be noted that this is marching percussion and you will still be part of the marching band at after school rehearsals and at all performances. This group will do placements in late spring so rehearsals can begin in May/June. <u>A COMMITMENT must be made at registration because of drill writing and must also be enrolled in a Spring Band course.</u> <b>Fees: Same as marching band (see above).</b></p>				
<b>SYMPHONIC BAND</b>	70335	0.5	9-12	Audition	No
Meets Graduation Requirements in: <u>FINEARTS</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	<p><b>Prerequisite:</b> Students must also participate in Marching Band to be <u>considered</u> for Symphonic Band. This group will consist of all band members, grades 9–12. Students will study all types of music. Comprehensive musicianship will be stressed through advanced level literature. <u>At home practice is a must.</u> Studies will include sight reading, listening, creating music, music theory, and relating music to other disciplines and cultures. This band is a performance-based class and all concerts are REQUIRED. <b>Instrument Rental:</b> \$50.00 per semester for school owned instruments. <b>Percussion Instrument Rental:</b> \$60.00 per semester including some mallets. Spring semester only. Consistent eligibility is mandatory. Will need to purchase a dress or tux through school. <u>This course is considered a year-long course with Marching Band 1st semester.</u></p>				
<b>JAZZ ENSEMBLE I</b>	70375	1.0	9-12	Audition	No
Meets Graduation Requirements in: <u>FINEARTS</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<p>Jazz Band "B" is made up of students who <u>audition</u> and meet playing requirements. This course will cover various styles of Jazz and focus on Jazz exposure, history, style and improvisation. This band is a performance-based class and all concerts are REQUIRED. <b>Instrument Rental:</b> \$50.00 per semester for school owned instruments. <b>Percussion Instrument Rental:</b> \$60.00 per semester. <u>This is a year-long course.</u></p>				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>JAZZ ENSEMBLE II</b>	70385	1.0	10-12	Audition	No
Meets Graduation Requirements in: <u>FINE ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Jazz Band "A" is made up of students who <u>audition</u> and meet the playing requirements for the ensemble. This course will cover various styles of Jazz and focus on Jazz exposure, history, style and improvisation. This band is a performance-based class and all concerts are <b>REQUIRED</b> . <b>Instrument Rental:</b> \$60.00 per semester. <u>This is a year-long course.</u>				
<b>GUITAR</b>	70487	0.5	9-12	None	No
Meets Graduation Requirements in: <u>FINE ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This class is for beginning guitar students only. The purpose of this class is to learn as much as you can about the guitar, in addition to learning a little about music theory, how chords are produced (and learning several different chords) and what notes are. Students will learn strum and pick patterns to play songs, and build a relationship with music that carries on many years and beyond this class. <u>Electric guitar is not taught and electric guitars will not be used in this class.</u> <b>Expense:</b> Purchase of book(s) \$33.00, other performance materials, and their own ( <b>non-electric</b> ) guitar.				
<b>GUITAR II</b>	70488	0.5	9-12	Guitar	No
Meets Graduation Requirements in: <u>FINE ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> This course is open to any student who has successfully passed Beginning Guitar or possesses equal guitar expertise. The course is an extension of basic skills to include reading music, chords, and tablature. Folk, classical, blues, rock, and ensemble music will be taught. Students must provide their own acoustic guitar. <u>Electric guitar is not taught and electric guitars will not be used in this class.</u> <b>Materials needed:</b> Purchase of book(s) \$33.00 . Your own acoustic ( <b>non-electric</b> ) guitar.				
<b>ORCHESTRA, STRING</b>	70465	1.0	9-12	2 Years String	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input checked="" type="checkbox"/> May be taken more than once for credit ____ May be taken <u>only</u> once for credit	The string orchestra will study various styles of music from the Baroque through the 21 <sup>st</sup> century. Comprehensive musicianship will enhance individual performance as well as the overall integrity of the ensemble. In addition to musicianship, the students will learn better sight-reading and listening skills. Students will create music, study music theory and relate music to other disciplines and cultures. Private study is strongly recommended. <u>All performances are mandatory.</u> A uniform will be required and personal instruments are required unless renting a school instrument. <b>Fees:</b> Instrumental rental fee (\$50 per semester) and uniform purchase. <u>This is a year-long course.</u>				
<b>ORCHESTRA, CHAMBER</b>	70461	1.0	10-12	Audition	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input checked="" type="checkbox"/> May be taken more than once for credit ____ May be taken <u>only</u> once for credit	This course is open only to juniors, seniors, and <b>advanced</b> sophomores. <b>All students will be auditioned and selected by the director.</b> Mandatory practice of three hours per week will be required. Chamber Orchestra will practice and perform music representing all periods of music literature, and repertoire appropriate for advanced high school string students. Most emphasis will be on string orchestra repertoire, however, some music for string, winds, and percussion, or choral may also be learned and performed. <b>All performances and extra rehearsals are mandatory.</b> A uniform will be required and personal instruments are required unless renting a school instrument. <b>Fees:</b> Instrumental rental fee and uniform purchase. <u>This is a year-long course.</u>				
<b>WOMEN'S CHORUS</b>	70512	1.0	9-12	None	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input checked="" type="checkbox"/> May be taken more than once for credit ____ May be taken <u>only</u> once for credit	Women's Chorus is an entry-level singing group. This course will stress three and four-part women's singing, emphasizing a cappella as well as accompanied music. Vocal production and music fundamentals will be stressed. Repertoire to be learned and performed will include music of classic choral composers as well as folk songs, spirituals, and Broadway music. Comprehensive musicianship will be stressed, including sight reading, listening, creating music, music theory, and relating music to other disciplines and cultures. <u>All performances are mandatory.</u> <b>Fees:</b> Purchase of a concert uniform will be required (approximately \$80.00). <u>This is a year-long course.</u>				



Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>CHORUS</b>	70510	1.0	9-12	None	No
Meets Graduation Requirements in: <u>      </u> FINE ARTS <u>  X  </u> May be taken more than once for credit <u>      </u> May be taken <u>only</u> once for credit	This is an entry-level singing group for men and women. This course will stress three and four-part singing, emphasizing a cappella as well as accompanied music. Vocal production and music fundamentals will be stressed. Members will study and perform music of all types, from differing periods of time. Comprehensive musicianship will be stressed, including sight reading, listening, creating music, music theory, and relating music to other disciplines and cultures. <u>All performances are mandatory.</u> <b>Fee:</b> <u>Purchase of uniform will be required (approximately \$80 - \$100).</u> This is a year-long course.				
<b>CHAMBER SINGERS</b>	70535	1.0	10-12	Audition	No
Meets Graduation Requirements in: <u>      </u> FINE ARTS <u>  X  </u> May be taken more than once for credit <u>      </u> May be taken <u>only</u> once for credit	Chamber Singers is a highly select mixed ensemble of 10 <sup>th</sup> , 11 <sup>th</sup> and 12 <sup>th</sup> grade students who demonstrate high levels of vocal skills and personal responsibility as well as a scholarly attitude towards musicianship. To be selected ( <u>through audition only</u> ) for Chamber Singers, students must demonstrate expressive singing, good pitch and knowledge of the printed musical page. Emphasis will be on developing maturity and precision in the performance of the full range of choral literature for mixed voices, and on helping students become increasingly aware of the incredible integration of human experience that is the nature of choral music. <u>All performances are mandatory.</u> <b>Fee:</b> <u>Purchase of uniform will be required (approximately \$90.00).</u> This is a year-long course.				
<b>SELECT WOMEN'S CHORUS</b>	70560	1.0	10-12	Audition	No
Meets Graduation Requirements in: <u>      </u> FINE ARTS <u>  X  </u> May be taken more than once for credit <u>      </u> May be taken <u>only</u> once for credit	Select Women's Chorus is a highly select vocal ensemble for women's voices. <u>Women will be selected for this choir by audition only.</u> This choir is available to women at the 10th, 11th, and 12th grade levels who demonstrate high levels of vocal skills and personal responsibility as well as a scholarly attitude toward musicianship. To be selected for Select Women's Chorus, students must demonstrate expressive singing, good pitch, and some knowledge of the printed musical page. Emphasis will be on developing maturity and precision in the performance of the full range of choral literature for women's voices. <u>All performances and extra rehearsals are mandatory.</u> <b>Fee:</b> <u>Purchase of uniform will be required (approximately \$90.00).</u> This is a year-long course.				
<b>JAZZ CHOIR</b>	70615	1.0	10-12	Audition	No
Meets Graduation Requirements in: <u>      </u> FINE ARTS <u>  X  </u> May be taken more than once for credit <u>      </u> May be taken <u>only</u> once for credit	This course is for eight to twenty singers. <u>Students will be selected for this ensemble by audition only.</u> The emphasis of the course is to expose these students to the professional standards of vocal jazz in the area of literature, basic musical knowledge, and proper stylization for performing for public audiences. There will be extra required rehearsals and performances. <b>All performances are mandatory.</b> Concurrent membership in another major vocal performing group is required. Consistent eligibility is mandatory. <u>This is a year-long course.</u>				
<b>MUSIC APPRECIATION</b>	70650	0.5	9-12	None	No
Meets Graduation Requirements in: <u>      </u> FINE ARTS <u>      </u> May be taken more than once for credit <u>  X  </u> May be taken <u>only</u> once for credit	Study will include various elements of music such as: sound, pitch dynamics, voices, instruments, rhythm, melody, harmony, and musical form. It will involve different periods, styles, artists, and composers - from Bach to Broadway, Classical to Jazz, and Rock to Opera. The hope is that students emerge from the class enjoying music of all types. Music Appreciation satisfies 0.5 credit of Fine Arts.				
<b>MUSIC THEORY</b>	70660	0.5	9-12	Teacher Approval	No
Meets Graduation Requirements in: <u>      </u> FINE ARTS <u>      </u> May be taken more than once for credit <u>  X  </u> May be taken <u>only</u> once for credit	This course covers the elements of pitch, rhythm, chords, key signatures, part writing, progressions, aural skills, and basic music fundamentals. Students will be able to read and notate music. <b>Fee:</b> <u>Purchase of workbook.</u>				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>VOICE CLASS</b>	70640	1.0	10-12	Teacher Signature	No
Meets Graduation Requirements in: <u>  </u> <b>FINE ARTS</b> <u>  </u> May be taken more than once for credit <u>  X  </u> May be taken <u>only</u> once for credit	Students will attain technical vocal skills through exercises, vocalizes, and through the study of classical voice repertoire. Students will be asked to sing in many languages, including Italian, German, and French. A strong commitment to classical voice studies is expected from the student to achieve the maximum benefit from these lessons. Group and Individual performance will be expected.				

# Physical Education/Health

Department Chair: Tom Lynch

## Course Offerings

Grade	Courses Offered
9	<p>Individual Sports Team Sports Strength and Conditioning Shape Up</p> <p>Athletic Training I Athletic Training II (2<sup>nd</sup> Semester) Adventure Experience I Healthy Decisions for Teens Adaptive P.E.</p>
10	<p>Individual Sports Team Sports Strength and Conditioning Shape Up Sport Training I</p> <p>Athletic Training I Athletic Training II (2<sup>nd</sup> Semester) Adventure Experience I Healthy Decisions for Teens Adaptive P.E.</p>
11	<p>Individual Sports Team Sports Strength and Conditioning Shape Up Sport Training I</p> <p>Athletic Training I Athletic Training II (2<sup>nd</sup> Semester) Adventure Experience I Adventure Experience Teacher Aide Healthy Decisions for Teens Adaptive P.E. Peer Coach / Adaptive P.E.</p>
12	<p>Individual Sports Team Sports Strength and Conditioning Shape Up Sport Training I</p> <p>Athletic Training I Athletic Training II (2<sup>nd</sup> Semester) Adventure Experience I Adventure Experience Teacher Aide Healthy Decisions for Teens Adaptive P.E. Peer Coach / Adaptive P.E.</p>

# PHYSICAL EDUCATION

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>INDIVIDUAL SPORTS</b>	75313-Fall 75314-Spring	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input checked="" type="checkbox"/> May be taken more than once for credit	Students will be exposed to a variety of activities that may include skill development and participation in tennis, pickleball, badminton, horseshoes and golf. This course will emphasize the enjoyment of sports and the need for continued involvement in a lifetime of fitness. This course may be repeated for credit. <b>Fees:</b> Approximately \$75.00 for activity trips for bowling, golf, etc.				
<b>TEAM SPORTS</b>	75302-Fall 75303-Spring	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input checked="" type="checkbox"/> May be taken more than once for credit	This course will stress the components of fitness (cardiovascular, muscular endurance, muscular strength and flexibility) in daily fitness routines. Along with daily fitness, there are a variety of sports offered throughout the semester. The outdoor activities may include soccer, flag football, and softball. The indoor activities may include volleyball, basketball, floor hockey, team handball, and pickleball as well as a variety of general games. Only one Team Sports and Fitness class is allowed per semester.				
<b>STRENGTH AND CONDITIONING</b>	75360	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input checked="" type="checkbox"/> May be taken more than once for credit	This class is an intensive course for students who desire to develop explosive muscular strength as well as cardiovascular and muscular endurance. The focus of the course is to strengthen the major muscle groups as well as develop a high level of fitness through intense plyometric exercises. The core lifts for weight training include bench press, squats, push press, incline press, and hang cleans. The program also will incorporate a speed/agility training program to develop an overall high level of conditioning. While this is not a bodybuilding or "sculpting" class, it is designed to increase muscular mass and overall body strength. Students taking this course should be prepared to be self-starters and work towards self-initiated strength and conditioning goals. This course may be repeated for credit.				
<b>SHAPE UP</b>	75322-Fall 75323-Spring	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input checked="" type="checkbox"/> May be taken more than once for credit	This course is designed to help students understand and apply basic fitness concepts that can be utilized throughout life. Cardiovascular fitness, flexibility, circuit training, and cross training principles will be emphasized. Students will work toward personal goals and designing of their own fitness program.				
<b>SPORT TRAINING I (VARSITY)</b>	75525	0.5	10-12	Varsity Sport	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input checked="" type="checkbox"/> May be taken more than once for credit	<b>Note: This will be a "0" hour class, meeting before the school day (approx. 6:15-7:10 a.m.) Monday-Friday.</b> This advanced strength and conditioning course addresses the specific needs of all athletes, male and female, in order to enhance physical performance. Emphasis will be on the development of core strength in major muscle groups, improving speed and agility and the prevention of injury. This is a performance based course. Improvement toward or maintenance of advanced levels of performance is the major objective. This course may be repeated for credit.				
<b>ATHLETIC TRAINING I</b>	75330	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Students considering future careers in athletic training, sports medicine, physical therapy or other health related fields, should find this course of particular value. Class work and lab work will consist of injury evaluation, treatment, rehabilitation and taping techniques. Grading will be based on daily assignments, quizzes, written and practical examinations. In place of homework, students will be expected to complete 25 hours of practicum in the athletic training room after school. <b>Fee:</b> \$20.00				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>ATHLETIC TRAINING II</b>	75340	0.5	9-12	Athletic Training I	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course builds on the concepts learned in Athletic Training I. Students will develop advanced techniques for taping, bracing, evaluation, treatment and rehabilitation of athletic injuries. The student will gain knowledge of how to recognize and treat athletic injuries as well as develop an awareness of the indications and contraindications, and precautions used to treat athletic injuries. Grading will be based on daily assignments, quizzes, written and practical lab examinations. Students are required to complete approximately 25 hours of athletic training after school with one of RCHS's athletic teams. <b>Fee: \$20.00</b>				
<b>ADVENTURE EXPERIENCE I</b>	75575	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Students will learn cooperative living skills through the use of individual and group challenges, initiatives and games that are non-threatening and group based. In addition, students will learn and experience the world of climbing through the use of an indoor climbing wall and an outdoor low element course. Fitness components such as muscular endurance, strength, flexibility and cardiovascular development are emphasized in this class. Insurance Waiver required. All climbing equipment is provided. <b>Fee: \$15.00</b>				
<b>ADVENTURE EXPERIENCE TEACHER AIDE</b>	75595	0.5	11-12	Adventure Experience I	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input checked="" type="checkbox"/> May be taken more than once for credit	<b>Prerequisite:</b> Must have approval and signature of the Adventure Experience instructor and have taken Adventure Experience I. Students must have a strong background in all aspects of adventure.				
<b>HEALTHY DECISIONS FOR TEENS</b>	55300	0.5	9-12	None	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	<b>This course may be used for 0.5 credit in Physical Education, Practical Arts or Electives.</b> This health course explores everyday living aspects of consumerism; individual, family, and community health; relationship issues; personal safety; nutrition and diet; prevention and control of disease; substance use and abuse; and human growth, development and sexuality. The basis of each of these topics centers on developing decision-making skills while building resiliency. Students will learn how to make safe and healthy choices as a teen, which will produce a healthier lifestyle as an adult.				
<b>ADAPTIVE P.E.</b>	75475	0.5	9-12	Instructor Approval	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input checked="" type="checkbox"/> May be taken more than once for credit	This course is designed for students with special needs. Individual and group activities and exercises will be selected based according to the limitations or needs of each student to improve motor skills and group interactions while providing a beneficial P.E. experience.				
<b>PEER COACH / ADAPTIVE P.E.</b>	75477	0.5	11-12	Instructor Approval	No
Meets Graduation Requirements in: <u>PHYSICAL EDUCATION</u> <input checked="" type="checkbox"/> May be taken more than once for credit	Any student interested in working with students with special needs can have the opportunity to become peer coaches in the Adaptive P.E. class with teacher approval. This class counts as a P.E. credit which meets graduation requirements.				

# Science

Department Chair: Kristi Piccone

## Course Offerings

**Note: All classes are lab-based and have a required fee. Classes may also have an associated workbook or a lab book fee.**

Grade	Required Track All – 1.0 Credit	Electives All – 0.5 Credit * 1.0 Credit	Honors Track All – 1.0 Credit	Electives All – 0.5 Credit * 1.0 Credit
9	Earth/Environmental Sci.		Honors Biology <b>AND</b> Geology and Astronomy	
10	Biology OR Applied Biology OR Honors Biology	Geology Astronomy	Honors Chemistry OR Chemistry  AP Biology AP Environmental Sci.	Geology Astronomy Aquatic Biology Zoology Human Anatomy Survey of Biotechnical Engineering
11	Chemistry OR Chemistry in the Community OR Honors Chemistry	Geology Astronomy Aquatic Biology Zoology Human Anatomy Survey of Biotechnical Engineering	Physics  AP Physics B  AP Chemistry	Geology Astronomy Aquatic Biology Zoology Human Anatomy Survey of Biotech. Eng. Organic Chemistry Forensic Science *AP Environmental Sci.
12	Physics  OR  AP Classes	Geology Astronomy Aquatic Biology Zoology Human Anatomy Survey of Biotech. Eng. Organic Chemistry *Global Science Forensic Science *AP Environmental Sci.	AP Physics C	Geology Astronomy Aquatic Biology Zoology Human Anatomy Survey of Biotech. Eng. Organic Chemistry Forensic Science *AP Environmental Sci.

**Registration for Advanced Placement (AP) classes can be found under the Advanced Placement Course Section on page 72.**

Registration for each course requires a signature from the current science teacher. Passing the prerequisite course with a C or better is recommended.

# SCIENCE

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>EARTH/ENVIRONMENTAL SCIENCE</b>	80325	1.0	9	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCIENCE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This lab-based course covers basic earth science concepts, including plate tectonics, earthquakes and astronomy in addition to weather, ecology and energy, both renewable and non-renewable sources. <u>Fees for lab supplies.</u>				
<b>BIOLOGY HONORS</b>	80356	1.0	9-10	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCIENCE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Biology is the study of living organisms, their life processes, and their relationships with the environment. Topics to be studied include, but are not limited to, cells, genetics, taxonomy, evolution, nature of science, and ecology. This course includes dissection. A charge is assessed for a workbook (\$5.00). 9th graders must have a teacher recommendation and must be highly motivated to learn science. <u>Fee for lab supplies.</u>				
<b>BIOLOGY</b>	80350	1.0	10	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCIENCE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Biology is the study of living organisms, their life processes, and their relationships with the environment. Topics to be studied include, but are not limited to, cells, genetics, taxonomy, evolution, nature of science, and ecology. This course includes dissection. A charge may be assessed for a workbook (\$5.00). 9th graders may not take this course unless they had Physical Science in 8th grade in another district. <u>Fee for lab supplies.</u>				
<b>APPLIED BIOLOGY</b>	80360	1.0	10-12	Teacher Signature	No
Meets Graduation Requirements in: <u>SCIENCE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This lab-based Biology course offers additional teacher support. The students will study living organisms, scientific method, ecology, bioenergetics, cells, genetics, human biology (including reproduction), evolution and microbiology. This course is taken as an alternative to regular biology at the recommendation of the teacher. <u><i>This class is not accepted by the CCHE Pre Collegiate Curriculum.</i></u> Students interested in attending a selective or highly selective college/university should take Biology. A charge may be assessed for a workbook (\$5.00). <u>Fee for lab supplies.</u>				
<b>CHEMISTRY IN THE COMMUNITY</b>	80455	1.0	10-12	Teacher Signature	No
Meets Graduation Requirements in: <u>SCIENCE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course is designed to provide students with an understanding and appreciation of chemistry and its daily impact on the community. Students will recognize the importance of chemistry in their lives and develop the ability to make decisions about scientific and technological issues. This course is taken as an alternative to regular chemistry at the recommendation of the teacher. <u>Prerequisite course is biology. <i>This class is not accepted by the CCHE Pre Collegiate Curriculum.</i></u> Students interested in attending a selective or highly selective college/university should take Chemistry or Honors Chemistry. A charge may be assessed for a workbook (\$5.00) and a lab book (\$12.00). <u>Fee for lab supplies.</u>				
<b>CHEMISTRY</b>	80375	1.0	10-12	Teacher Sig	Yes Yes
Meets Graduation Requirements in: <u>SCIENCE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course is designed as a General Chemistry course for those students who will attend a college or university. It is a challenging course in which the foundations of chemistry are built. Topics include: chemical bonding, atomic structure, periodic table and its trends, and stoichiometry. Laboratory work is required and goggles should be purchased. A charge may be assessed for a workbook (\$5.00) and a lab book (\$12.00). <b>Prerequisite course is Biology or concurrent enrollment in Biology.</b> <u>Fee for lab supplies.</u>				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>CHEMISTRY HONORS</b>	80385	1.0	10-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCIENCE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course is an accelerated Chemistry course for those students who will go on to AP Chemistry and are interested in majoring in a science field in college. This course will emphasize the broad concepts upon which modern chemistry rests, such as chemical bonding, periodicity, types of chemical reactions and stoichiometry. Laboratory work is required and will relate to the topics being taught. Purchase of safety goggles is strongly recommended. A charge may be assessed for a workbook (\$5.00) and a lab book (\$14.00). <b>Prerequisite courses are Biology and Geometry and student must be highly motivated to learn Chemistry.</b> <u>Fee for lab supplies.</u>				
<b>PHYSICS</b>	80430	1.0	11-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCIENCE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course studies the historical development of ideas concerned with our physical world. Physical principles that guide our lives are discussed. These concepts are motion, light, sound, electricity, and magnetism. This is a lab-based course to help the students understand the physical world through manipulation. They will gain an ability to solve problems and predict behaviors in the physical world. A charge may be assessed for a workbook (\$5.00). TI-83 or TI-83 Plus calculator is highly recommended. <b>The prerequisite for the course is Chemistry, and it is strongly recommended that students have completed and earned a "C" or better in Algebra II.</b> <u>Fee for lab supplies/online homework service.</u>				

## ELECTIVES

<b>GEOLOGY</b>	80575	0.5	9-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCI_ELE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This lab based course includes the study and identification of rocks and minerals, geologic structures, weathering and erosion, glacial processes, coastal processes, natural disasters, Colorado geology, and the use of topographic and geologic maps. 9th graders may only take this course with concurrent enrollment in Honors Biology. <u>Fee for lab supplies.</u>				
<b>ASTRONOMY</b>	80600	0.5	9-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCI_ELE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course is a scientific exploration of the human's place in the universe. We study the origin and history of the Universe and the formation of the Earth and the Solar System. This course also covers exciting topics such as black holes, the expansion of the Universe, and the search for extraterrestrial life. 9th graders may only take this course with concurrent enrollment in Honors Biology. <u>Fee for lab supplies.</u>				
<b>AQUATIC BIOLOGY</b>	80475	0.5	10-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCI_ELE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This second level biology course is designed to acquaint students with the biology and ecology of freshwater and marine water environments. Students will dissect and study a variety of aquatic organisms. Students will also need to have access to a computer and a printer for online quizzes. <b>Prerequisite course is Biology or with concurrent enrollment in Biology.</b> <u>Fee for lab supplies.</u> A charge may be assessed for a workbook (\$5.00).				
<b>ZOOLOGY</b>	80500	0.5	10-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCI_ELE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This second level biology course is designed to acquaint students with the biology, classification, and evolutionary diversity of the animal kingdom. Students will dissect a representative organism of many of the animal phyla and study the development of animals from simple sponges to the complex vertebrates. Both the college bound and non-college bound students will benefit from this course. <b>Prerequisite course is Biology or concurrent enrollment in Biology.</b> <u>Fee for lab supplies.</u> A charge may be assessed for a workbook (\$5.00).				



Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>HUMAN ANATOMY &amp; PHYSIOLOGY</b>	80525	0.5	10-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCI, ELE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This second level biology course is designed to further the student's understanding of the human body. Students will study the body's structures and functions at both the macroscopic and microscopic level. They will dissect the cat to help with their understanding of the structure and its location. This inquiry-based course will give the student an opportunity to learn through labs designed for each system and their research about the system, its problems and its current information. <b>Prerequisite courses are Biology and Chemistry (or concurrent enrollment), ("C" or better preferred).</b> <u>Fee for lab supplies.</u>				
<b>SURVEY OF BIOTECHNICAL ENGINEERING</b>	80346	0.5	10-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCI, ELE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This second level (lab and activity based) Biology course includes a more in-depth study of Molecular Biology including cell division, DNA & RNA structure and function, and protein synthesis. The student will also learn the fundamentals of genetics, chromosomes and genes, and human genetics and disease. In addition to this, students will become acquainted with biotechnology related topics and techniques such as gel electrophoresis and DNA fingerprinting. This course is a survey of concepts taught in Biotechnology I. <b>Prerequisite courses are Biology and Chemistry (or concurrent enrollment), ("C" or better preferred).</b> <u>Fee for lab supplies.</u> A charge may be assessed for a workbook (\$5.00).				
<b>ORGANIC CHEMISTRY</b>	80373-Fall 80374-Spring	0.5	11-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SCI, ELE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Organic Chemistry is a lab-based course where the students will apply their knowledge of chemistry and biology to understand nomenclature, functional groups, isomerism, organic reaction types and mechanisms, polymers, biochemical compounds and analytical techniques to determine structures. The students will synthesize and analyze a variety of organic compounds including esters, polymers, halohydrocarbons, and soap. They will also build models and draw structures of organic compounds. Topics include but are not limited to hydrocarbons, pharmaceuticals, polymers, and biofuels. <b>Fee: \$18 for lab supplies. Prerequisite course is Chemistry.</b>				
<b>FORENSIC SCIENCE</b>	80420	0.5	11-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>PRA ELE</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This upper level science elective will focus on using the understanding of all sciences in order to "solve the crime". Students will learn how to look at "evidence" and observe situations and objects in great detail. They will learn to process "evidence" and analyze their findings in the context of the "crime". Topics will include, but not limited to: fingerprinting analysis, serology, ballistics, hair and fiber analysis, toxicology and questioned document analysis. <b>Prerequisite courses are Biology and Chemistry.</b> <u>Fee for lab supplies.</u>				

# Social Studies Department

Department Chair: Melinda Emch

## Course Offerings (Class of 2011)

**Notes:** Each Student must complete a full credit each year (either two .5 classes or a 1.0 class)  
Elective Courses count as elective credit, not as a substitute for a required course.

Grade	Required Track	Honors Track	Elective Options
9	Ancient Civilizations (.5) <b>AND</b> World Geography (.5)	Honors World Geography (.5) <b>AND</b> Honors Ancient Civilizations (.5)	
10	Modern European History (.5) <b>OR</b> Medieval History (.5) <b>OR</b> Rise of Nation State: England (.5) <b>OR</b> <b>AND</b> Elective Requirement (0.5) – see column to the right.	AP European History (1.0)  (Counts as 2 <sup>nd</sup> half of world history credit and one semester of elective credit)  Student may select an elective in addition to this course.	Contemporary World Issues (.5) Sociology (.5) Colorado History (.5) World Religions (.5) AP Human Geography (1.0)  Any other required 10 <sup>th</sup> grade course (.5).
11	U.S. History, 1865-1945 (.5) <b>AND</b> U.S. History, 1945-Present (.5)  Student may select an elective in addition to these requirements.	AP U.S. History (1.0)  Student may select an elective in addition to this course.	Colorado History (.5) Sociology (.5) Psychology (.5) Contemporary World Issues (.5) World Religions (.5) AP Psychology (1.0) AP Human Geography (1.0)  Any other required 10 <sup>th</sup> grade course (.5).
12	Economics (.5) <b>AND</b> U.S. Government (.5)  Student may select an elective in addition to these requirements.	AP Economics (.5 or 1.0) <b>AND</b> AP US Government (.5)  Student may select an elective in addition to this course.	Colorado History (.5) Sociology (.5) Psychology (.5) Contemporary World Issues (.5) World Religions (.5) Modern Asian History (.5) Rise of the Nation State: England (.5) Modern European History (.5) AP Psychology (1.0) AP Human Geography (1.0)

**Registration for Advanced Placement (AP) classes can be found under the Advanced Placement Course Section beginning on page 72.**

# Social Studies Department

Department Chair: Melinda Emch

## Course Offerings (Class of 2012)

**Notes:** Each Student must complete a full credit each year (either two .5 classes or a 1.0 class), except 12<sup>th</sup> grade year. Elective Courses count as elective credit, not as a substitute for a required course.

Grade	Required Track	Honors Track	Elective Options
9	Ancient Civilizations (.5) <b>AND</b> World Geography (.5)	Honors World Geography (.5) <b>AND</b> Honors Ancient Civilizations (.5)	
10	Modern European History (.5) <b>OR</b> Rise of Nation State: Russia (.5) <b>OR</b> Medieval History (.5) <b>OR</b> Modern Asian History (.5) <u>Take one of the above courses and one elective course or the below course for a full year of Social Studies</u>  U.S. Government * * The Social Studies Dept. strongly recommends this course be taken in the 12 <sup>th</sup> grade.	AP European History (1.0)  (Counts as 2 <sup>nd</sup> half of world history credit and one semester of elective credit)  <b>Student may select an elective in addition to this course.</b>	Contemporary World Issues (.5) Sociology (.5) Colorado History (.5) World Religions (.5) AP Human Geography (1.0)  <b>Any other required 10<sup>th</sup> grade course (.5).</b>
11	U.S. History, 1865-1945 (.5) <b>AND</b> U.S. History, 1945-Present (.5)  <b>Student may select an elective in addition to these requirements.</b>	AP U.S. History (1.0)  <b>Student may select an elective in addition to this course.</b>	Contemporary World Issues (.5) Sociology (.5) Colorado History (.5) World Religions (.5) Modern Asian History (.5) Modern European History (.5) Ancient Civilizations (.5) Rise of the Nation State: England (.5) Psychology (.5) AP Psychology (1.0) AP Human Geography (1.0)
12	Economics (.5) <b>AND/OR</b> U.S. Government (.5) (If not completed in the Sophomore year.)  <b>Student may select an elective in addition to these requirements.</b>	AP Economics (.5 or 1.0) <b>AND</b> AP US Government (.5)  <b>Student may select an elective in addition to this course.</b>	Contemporary World Issues (.5) Sociology (.5) Colorado History (.5) World Religions (.5) Modern Asian History (.5) Modern European History (.5) Ancient Civilizations (.5) Rise of the Nation State: England (.5) Psychology (.5) AP Psychology (1.0) AP Human Geography (1.0)

**Registration for Advanced Placement (AP) classes can be found under the Advanced Placement Course Section beginning on page 72.**

# Social Studies Department

Department Chair: Melinda Emch

## Course Offerings (Class of 2013, 2014)

**Notes:** Each Student must complete a full credit each year (either two .5 classes or a 1.0 class), except 12<sup>th</sup> grade year. Elective Courses count as elective credit, not as a substitute for a required course.

Grade	Required Track	Honors Track	Elective Options
9	Ancient Civilizations (.5) <b>OR</b> Modern European History (.5) <b>OR</b> Modern Asian History (.5) <b>AND</b> World Geography (.5)	AP Human Geography (1.0) <b>OR</b> Honors Ancient Civilizations (.5) <b>AND</b> World Geography (.5)	
10	U.S. History, 1865-1945 (.5) <b>AND</b> U.S. History, 1945-Present (.5) <b>Student may select an elective in addition to this course.</b>	AP European History (1.0)  <b>Student may select an elective in addition to this course.</b>	Contemporary World Issues (.5) Sociology (.5) Colorado History (.5) World Religions (.5) Modern Asian History (.5) Modern European History (.5) Ancient Civilizations (.5) Rise of the Nation State: England (.5) AP Human Geography (1.0)
11	Economics (.5) <b>AND</b> U.S. Government (.5)  <b>Student may select an elective in addition to this course.</b>	AP U.S. History (1.0)  <b>Student may select an elective in addition to this course.</b>	Contemporary World Issues (.5) Sociology (.5) Colorado History (.5) World Religions (.5) Modern Asian History (.5) Modern European History (.5) Ancient Civilizations (.5) Rise of the Nation State: England (.5) Psychology (.5) AP Psychology (1.0) AP Human Geography (1.0)
12	<b>Student may select an elective in addition to this course.</b>	AP Economics (.5 or 1.0) <b>AND</b> AP U.S. Government (.5)  <b>Student may select an elective in addition to this course.</b>	Contemporary World Issues (.5) Sociology (.5) Colorado History (.5) World Religions (.5) Modern Asian History (.5) Modern European History (.5) Ancient Civilizations (.5) Rise of the Nation State: England (.5) Psychology (.5) AP Psychology (1.0) AP Human Geography (1.0)

**Registration for Advanced Placement (AP) classes can be found under the Advanced Placement Course Section beginning on page 72.**

# SOCIAL STUDIES

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>ANCIENT CIVILIZATIONS</b>	85325	0.5	9-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SOCIAL STUDIES</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course will examine and compare the early civilizations of Africa, Europe, China, India and the Middle East. The wide range of areas and the amount of material to be covered demand that the course combine an overview of the basic patterns in each area's history with specific case studies to illuminate such topics as the characteristics of civilization, human migration, technological development, religious and political change, cross-cultural influences and art and literature. Emphasis will be placed on reading, writing, research, referencing and critical thinking.				
<b>WORLD GEOGRAPHY</b>	85835	0.5	9	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SOCIAL STUDIES</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	In this course students will examine the world's regions and explore the many facets of geography. The course will introduce students to the examination of spatial relationships and processes in both human and physical geography. Students will study physical systems, including the processes that shape our planet's various landforms, climates, and natural resources. The course will also focus on the human realm, about which students will examine population, urbanization, and economic and political geography. Maps, globes and other tools of geography which will draw Upon case studies and examples from throughout the concepts and skills needed in future Social Studies courses.				
<b>ANCIENT CIVILIZATIONS HONORS</b>	85322	0.5	9-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SOCIAL STUDIES</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	A signature from a previous social studies teacher (8th grade) is required. The pacing, difficulty, skill development, and content of this course all revolve around the expectation of a student desire for more challenging social studies experience. The methodology of instruction and learning is similar to that of a pre-college setting. This course will examine and compare the early civilizations of Africa, China, India, and the Middle East. The wide range of areas and the amount of material to be covered demand that the course combine an overview of the basic patterns in each area's history with specific case studies to illuminate such topics as the characteristics of civilization, human migration, technological development, religious and political change, cross-cultural influences and art and literature. Emphasis will be placed on reading, writing, research, referencing and critical thinking.				
<b>MODERN EUROPEAN HISTORY</b>	85375	0.5	9-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SOCIAL STUDIES</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course will chronicle the history of Europe from 1500 to present and the impact that extremist ideologies and modern industrial warfare have had on that continent. Special attention will be given to the political philosophies of Marxism-Leninism, fascism, National Socialism and parliamentary democracy. Reading skills and the methods used in historical research will be emphasized. Students will apply research and reference skills and be required to write a research paper.				
<b>MODERN ASIAN HISTORY</b>	85465	0.5	9-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SOCIAL STUDIES</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	The 21st century has been termed "The Asian Century" due to shifts in the post Cold War international power structure, amplified competition for and acquisition of resources, increased economic globalization and the international implications of domestic tensions. This course will explore the unique political, historical, cultural and economic characteristics of prominent Asian nations of the modern era. Emphasis will be given to nations and/or regions that have an increasing impact on an international scale: China, India, Japan, North and South Korea and/or the Middle East.				
<b>UNITED STATES HISTORY 1865-1945</b>	85550	0.5	10	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SOCIAL STUDIES</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	The content of this course includes topics in U.S. History since 1865. Units include Reconstruction, Westward Expansion, Industrialism, Immigration, the Emergence of Big Business, the Labor Movement, Progressive Era reforms, World War I, the Twenties, the Great Depression, the New Deal, and US involvement in World War II. Students will learn and apply research and reference skills and will be required to conduct research. Instruction will also focus on essay writing.				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>UNITED STATES HISTORY SINCE 1945</b>	85575	0.5	10	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SOCIAL STUDIES</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	This course will trace the major events which have occurred since World War II with emphasis on the political events and personalities involved. Topics covered in the course include: the Cold War, the Civil Rights movement, Korean and Vietnam Wars, Watergate and contemporary issues. Students will apply thesis supported research and reference skills and write a persuasive research paper.				
<b>U.S. GOVERNMENT</b>	85700	0.5	11	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SOCIAL STUDIES</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	Students will study the reason for government, types of governments, the United States Constitution, the three branches of government (legislative, executive, and judicial) and the concept of separation of powers. Students will also study the function and structure of the court system, political parties and the role of a citizen in a government. Current events will be emphasized in this class. Instruction will also focus on essay writing.				
<b>ECONOMICS</b>	85800	0.5	11	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SOCIAL STUDIES</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	American Economics focuses on the US economic system and its interaction with other nations. In addition to studying economic concepts such as scarcity, opportunity costs, supply/demand, GDP, and budget deficits, students will apply their learning to real world situations. Particular attention will be given to the role of the Federal Reserve, fiscal policy and product and factor markets.				

## ELECTIVES

<b>COLORADO HISTORY</b>	85725	0.5	10-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SS ELECTIVE</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	The student will attain a basic familiarity with the events and individuals significant in the development of Colorado. Topics will include topography, mountain men, Native Americans, the Gold Rush, the creation of Colorado Territory, the Civil War in Colorado Territory, law and order, state government, Indian Wars, mining and mining camps, the struggle for statehood, frontier humor and entertainment, wagons to railroads, the founding of Denver, ski industry, natural wonders, and water rights as well as other current issues.				
<b>CONTEMPORARY WORLD ISSUES</b>	85745	0.5	10-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SS ELECTIVE</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	This course will focus on the analysis and interpretation of contemporary world issues. Students will examine current events through themes such as Power, Conflict, Justice, and Technology. Debate, research, discussion, critical thinking, and media analysis are all skills that will be applied during the course of the semester. Students will be required to stay current on world, National, and local issues of importance. A major research project will be required.				
<b>WORLD RELIGIONS</b>	85870	0.5	10-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SS ELECTIVE</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken only once for credit	In this course, students will study the major faiths of mankind including Hinduism, Buddhism, Christianity, Judaism, and Islam. Students will learn about the historical origins of each religion, beliefs and practices, and the impact each religion has had on its members and world affairs. Students can expect a high level of discussion as well as the opportunity to visit the places of worship for these religions.				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>SOCIOLOGY</b>	85770	0.5	10-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SS ELECTIVE</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course provides students with an overview and general understanding of sociology. Students will examine patterns of social behavior and interactions in society. Since these patterns are often found when groups interact, they will be a focus of study. Other possible topics include: social interactions, methods used by sociologists to study social patterns, the nature and impact of culture, the socialization of individuals in society, marriage and family, collective behavior in society and the nature of social change.				
<b>RISE OF THE NATION STATE-ENGLAND</b>	85410	0.5	10-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SS ELECTIVE</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course traces the development of England and the political, economic, social and cultural factors that contributed to its development as a nation-state. The course will focus on English history and English institutions, such as parliament and constitutional government, which have had an impact on American history.				
<b>PSYCHOLOGY</b>	85750	0.5	11-12	Teacher Signature	Yes
Meets Graduation Requirements in: <u>SS ELECTIVE</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course will focus on the role of the individual as he or she interacts with the environment. Specific areas of psycho-neurology, developmental psychology, personality theory, and the abnormal aspects of human behavior will be addressed. The course is designed for the beginning student to explore the discipline as well as to begin to understand the complexity of human behavior.				

# Special Courses

## Course Offerings

Grade	Courses Offered
9	Student Government
10	Student Government
11	Student Government Special Services Intern Office Aide Counseling Aide Media Aide (Library) Teacher Aide Peer Helpers I Peer Helpers II
12	Student Government Special Services Intern Office Aide Counseling Aide Media Aide (Library) Teacher Aide Peer Helpers I Peer Helpers II

**Registration for each course requires an application and a signature from the teacher, unless stated otherwise.**



# SPECIAL COURSES

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>STUDENT GOVERNMENT</b>	35450	1.0	9-12	Application and Teacher Signature	No
Meets Graduation Requirements in: <u>ELECTIVE</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	Students will explore concepts of leadership and develop leadership techniques through school activities, which promote school spirit and community service. Dances, pep rallies and charity events comprise the bulk of the projects during the year. Teamwork is an integral part of the class. All Student Government officers and representatives are required to take this class. Additional information is available from the Student Government teacher and sponsor. <b>This class should be listed as an Elective. The completed application should be submitted with registration materials. Applications will be reviewed and if approved, student will be entered into the Student Council class. Unapproved students will be placed in one of their Alternate course selections.</b>				
<b>SPECIAL SERVICES INTERN</b>	55750	0.5	11-12	Application and SPED Teacher Signature	No
Meets Graduation Requirements in: <u>ELECTIVE</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken only once for credit	This unique experience provides the opportunity for interaction with students who have special needs in the classroom. Students are trained in philosophy to ensure that all students are included in regular education classroom activities as well as to serve when needed in a tutorial role. A pass/fail grade will be given at the quarter and semester. (The grade is not calculated into the student's grade point average). <b>This class can only be listed as an Alternate as the application must be completed, turned in, and approved.</b>				
<b>OFFICE AIDE</b>	48856-Fall 48860-Spring	0.25	11-12	Application with Office Mgr Signature and Parent Signature	No
Meets Graduation Requirements in: <u>ELECTIVE</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken only once for credit	Students will work on various office projects including distribution of information to students and faculty. A pass/fail grade will be given at the quarter and semester. (The grade is not calculated into the student's grade point average). <b>This class can only be listed as an Alternate as the the application must be completed, turned in, and approved.</b>				
<b>COUNSELING AIDE</b>	48875-Fall 48876-Spring	0.25	11-12	Application and Parent Signature	No
Meets Graduation Requirements in: <u>ELECTIVE</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	Students will work on various counseling center projects including distribution of information to students and faculty. A pass/fail grade will be given at the quarter and semester. (The grade is not calculated into the student's grade point average). <b>This class can only be listed as an Alternative as the application must be completed, turned in, and approved.</b>				
<b>MEDIA AIDE</b>	48895-Fall 48896-Spring	0.25	11-12	Application and Parent Signature	No
Meets Graduation Requirements in: <u>ELECTIVE</u> <input checked="" type="checkbox"/> May be taken more than once for credit <input type="checkbox"/> May be taken <u>only</u> once for credit	Students will assist with routine tasks of the Library Media Center. Major tasks include shelving of materials, circulation and special projects. Students may serve as a library aide for two semesters with the permission of the principal. A pass/fail grade will be given at the quarter and semester. (The grade is not calculated into the student's grade point average). <b>This class can only be listed as an Alternative as the application must be completed, turned in, and approved.</b>				

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>TEACHER AIDE</b>	48885-Fall 48886-Spring	0.25	11-12	Application and Teacher Signature	No
Meets Graduation Requirements in: <u>    </u> <u>ELECTIVE</u> <u>  X  </u> May be taken more than once for credit <u>    </u> May be taken <u>only</u> once for credit	Students will be given activities and work on projects in an assigned academic area and be accountable to a specific teacher. A pass/fail grade will be given at the quarter and semester. (The grade is not calculated into the student's grade point average). <b>This class can only be listed as an Alternate as the application must be completed, turned in, and approved.</b>				
<b>Peer Helpers I</b>	35400S1	0.5	11-12	Application and Personal Interview	No
Meets Graduation Requirements in: <u>    </u> <u>ELECTIVE</u> <u>  X  </u> May be taken more than once for credit <u>    </u> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Minimum 3.0 Cumulative GPA, a completed application and a personal interview. Strongly recommended to take Psychology or AP Psychology. PEER HELPERS MAY NOT BE LINK CREW LEADERS. Students will be trained in the following areas: conflict mediation; refusal skills; study skills; assisting new students; Naviance; as well as various other counseling techniques and duties. Students will be stationed in various areas consisting of, but not limited to, the counseling office, the main office, the media center and classrooms serving as staff aides when not participating in Peer Helper training. <b>This course is NOT selected during registration process. You must submit an application for this course during the 2nd semester of your sophomore or junior year to the counseling office. A maximum of 20 students will be selected for this class.</b>				
<b>Peer Helpers II</b>	35400S2	0.5	11-12	Peer Helpers I	No
Meets Graduation Requirements in: <u>    </u> <u>ELECTIVE</u> <u>  X  </u> May be taken more than once for credit <u>    </u> May be taken <u>only</u> once for credit	<b>Prerequisite:</b> Minimum 3.0 Cumulative GPA, successful completion of Peer Helper I with a "B" or higher grade. Strongly recommended to take Psychology or AP Psychology. PEER HELPERS MAY NOT BE LINK CREW LEADERS. Trained peer helpers are scheduled to work in the counseling office. PEER HELPERS ASSIST STUDENTS IN THE FOLLOWING AREAS: counseling skills; August check-in; new student transition and how to use resources. Peer Helpers will also work on various counseling center projects including distribution of information to students and faculty. Students will also be expected to attend at least one evening activity, such as 8th grade parent night. <b>This course is NOT selected during the registration process. You must get approval from the counseling supervisor(s) to move to Peer Helpers II.</b>				

# Special Education

**Department Chairs:** Lynne Moser

Special Education services are available to students who qualify under state guidelines for a modified educational program. If you need further information, please contact us at (303) 387-3000.

Students who have a current Individual Educational Plan are eligible for these services. Case managers in consultation with parents will assist students in the selection of core classes and electives. Course selection is based on individual student needs. Students are served in the least restrictive environment.

## Course Offerings

### Courses Offered

Exploring English Literature and Composition I (Grade 9)  
Exploring English Literature and Composition II (Grade 10)  
Exploring English Literature and Composition III (Grade 11)  
Exploring English Literature and Composition IV (Grade 12)  
Essential Learning Strategies (Grade 9)  
Math Strategies (Grades 9-12)  
Resource (Grades 9-12)  
Basic English (Grades 9-12)  
Life Skills: Independent Living (Grades 9-12)  
Life Skills: Communication (Grades 9-12)  
Consumer Math (Grades 11-12)  
Career Strategies (Grades 11-12)

**Registration for each course requires a signature from the current teacher or case manager and passing the prerequisite course with a C or better is recommended, unless stated otherwise.**

# SPECIAL EDUCATION COURSES

Course Title	Course #	Credit	Grade	Prerequisite
<b>EXPLORING ENGLISH LITERATURE AND COMPOSITION I</b>	50540	1.0	9	Teacher Signature
Meets Graduation Requirements in: <u>LANGUAGE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course focuses on strategies to strengthen comprehension and writing. Exploring English Lit & Comp develops an understanding and appreciation of literature by focusing on the genres of novel, drama, short story, and poetry. The student is expected to produce a wide variety of written work, including multi-paragraph thesis-driven essays, creative writing, and literary analysis essays. <b>This course is not accepted by CCHE as a pre-collegiate course.</b> <u>Fee for workbooks (approximately \$36).</u>			
<b>EXPLORING ENGLISH LITERATURE AND COMPOSITION II</b>	50541	1.0	10	Teacher Signature
Requirements in: <u>LANGUAGE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This year-long course focuses on strategies to strengthen comprehension and writing. This course allows students to develop reading comprehension, vocabulary development, and the skills of literary analysis. The four genres of short story, novel, drama, and poetry will also be studied. The focus of this year-long course will be American literature and non-fiction. The writing process will include creative writing, the business letter, the five-paragraph essay, the research-based essay, and vocabulary and grammar. <b>This course is not accepted by CCHE as a pre-collegiate course.</b> <u>Fee for workbooks (approximately \$36).</u>			
<b>EXPLORING ENGLISH LITERATURE AND COMPOSITION III</b>	50542	1.0	11	Teacher Signature
Requirements in: <u>LANGUAGE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Students enrolled in this course will demonstrate an understanding of how reading and writing provide insights into his or her own life and into other times, places, people and ideas. They will demonstrate the ability to conduct research through developing ideas, accessing and evaluating information from a variety of print, media and technological sources. <b>This course is not accepted by CCHE as a pre-collegiate course.</b> <u>Fee for workbooks (approximately \$36).</u>			
<b>EXPLORING ENGLISH LITERATURE AND COMPOSITION IV</b>	50543	1.0	12	Teacher Signature
Requirements in: <u>LANGUAGE ARTS</u> <input type="checkbox"/> May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	Students enrolled in this senior-level, year-long course will better understand the world through its literature and demonstrate an understanding of how reading and writing diverse literature can provide insights into his or her own life and into other times, places, people and ideas. Focus in writing will be on everyday practical writing skills and reading comprehension tools for the real world. They will demonstrate the ability to conduct research through developing ideas, accessing and evaluation information from a variety of print, media and technological sources. <b>This course is not accepted by CCHE as a pre-collegiate course.</b> <u>Fee for workbooks (approximately \$36).</u>			
<b>MATH STRATEGIES</b>	20200	1.0	9-12	SPED Approval
Eligibility for this class will be determined by the Special Education Department. This course is designed to meet the needs of students who can benefit from the reinforcement of basic math skills that prepare the student for more challenging math courses. The course will cover basic fundamentals that are the building blocks for life-skills math and/or students continuing on to Pre-Algebra or Algebra I the following year. This class will cover some pre-algebra skills for students who show readiness. In order to meet the needs of each student and in order to access their personal abilities, the majority of coursework will be contained in the classroom.				
<b>CAREER STRATEGIES</b>	20170	1.0	11-12	SPED Approval
This course assists students with self-exploration in the area of skills and interests, and provides a model to integrate academic skills and experiences into the processes of career planning. Elements include exploring career ideas, outside presenters, working in groups, filing out job applications, preparing a resume and interviewing techniques. This course is taught by the Special Education staff.				
<b>RESOURCE</b>	20030	0.5	9-12	SPED Approval
Eligibility for this class will be determined by the Special Education Department. Students will have a chance to improve organizational and study skills as well as increasing skills in following directions both oral and written. The support staff will aid students in homework completion as well as helping them increase competency towards Individual Education Plan goals. Students will also learn time management skills and improve self-advocacy skills.				

## SPECIAL EDUCATION COURSES

Course Title	Course #	Credit	Grade	Prerequisite
<b>BASIC ENGLISH</b>	20019	1.0	9-12	SPED Approval
<b>Recommendation:</b> This class needs a recommendation from someone in the Special Education Department. This class is designed to help students develop their phonological awareness, phonics, spelling, develop fluency, vocabulary, word study, comprehension, and written expression.				
<b>ESSENTIAL LEARNING STRATEGIES</b>	20050	1.0	9	SPED Approval
<b>Eligibility:</b> Approval by Special Education Department. This class is designed to help freshman transition to high school. The activities in this class will help students master the basic skills necessary to become better learners and helps build the ability to make the most of what core and elective courses offer. This course focuses on skills that ninth graders need in order to be successful. These skills include goal-setting, test-taking, organization, study skills, time-management, pro-social skills, analyzing, content vocabulary skills, summarizing, critical thinking, Reading and Writing, problem-solving, interpretation and inference, and compare/contrast skills. Time will be allowed 2 days a week in class for students to work on current homework assignments.				
<b>LIFE SKILLS INDEPENDENT LIVING</b>	20010	1.0	9-12	SPED Approval
Instruction will be based on students needs and may include: Job skills, managing personal finances, selecting and managing a household, buying, preparing and consuming food, caring for personal needs, and getting around the community.				
<b>LIFE SKILLS COMMUNICATION</b>	20110	1.0	9-12	SPED Approval
Instruction will be based on students needs and may include: Job skills, interpersonal relationships, knowing your rights and responsibilities, self-confidence, self-awareness, communicating with others, and socially responsible behavior.				
<b>CONSUMER MATH</b>	60350	1.0	11-12	SP. ED. Only
This course assists students with math for the real world. The course will cover the following: different ways to earn money, buying food, shopping for clothes, managing a household budget, buying and maintaining a car, banking and investments, paying taxes, home improvements, and working with food. This course is taught by the Special Education staff.				

# Theatre

Theatre Instructor: Cindy Baker

## Course Offerings

Grade	Courses Offered
9	Theatre I, II Technical Theatre I, II
10	Theatre I, II, III Technical Theatre I, II Technical Theatre III/Independent Study
11	Theatre I, II, III Theatre IV-Stage Directing and Acting Technical Theatre I, II Technical Theatre III/Independent Study
12	Theatre I, II, III Theatre IV-Stage Directing and Acting Technical Theatre I, II Technical Theatre III/Independent Study

**Registration for each course requires a signature from the current teacher and passing the prerequisite course with a C or better is recommended, unless stated otherwise.**

# THEATRE

Course Title	Course #	Credit	Level	Prerequisite	CCHE
<b>THEATRE I</b>	70700	0.5	9-12	None	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course offers the opportunity for a variety of performance experiences, which may include the following: scene work, monologues, stage combat, improvisation, and pantomime. Major emphases of the class are on developing beginning acting skills and self esteem. It is suggested, but not required, the student take Theatre I in the fall and Theatre II in the spring.				
<b>THEATRE II</b>	70710	0.5	9-12	Theatre I	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	As a continuation of Theatre I, this course extends development of acting skills and self esteem. Course work may include the following: scene work, monologues, improvisation, play and character analysis, auditioning, musical theatre, and Shakespeare. Participation in play production is encouraged. It is suggested, but not required, that the student take Theatre I in the fall and Theatre II in the spring.				
<b>THEATRE III</b>	70720 (S1) 70720 (S2)	1.0	10-12	Theatre I & II and/or Instructor's Approval	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course emphasizes the development of a higher level of acting skills. Course work may include the following: improvisation, play and character analysis, directing, theatre history, children's theatre, and advanced acting techniques. Participation in play production is a required part of class.				
<b>THEATRE IV - Stage Directing and Acting</b>	70730 (S1) 70730 (S2)	1.0	11-12	Theatre III and/or Instructor's Approval	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This class allows students to pursue the fundamentals of stage directions. Course work may include the following: directing and advanced acting, film, script and character analysis, and design concepts. Work outside of class time is expected for rehearsal and performances.				
<b>TECHNICAL THEATRE I</b>	70780	0.5	9-12	None	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course offers for students the opportunity to participate in phases of stagecraft activities. Course work may include the following: scenery construction, stage lighting, make-up, sound, publicity, design, theatre organization management, and maintenance. *15 hours of out-of-class work is required over the 18 week semester. *After school sports will conflict with this requirement. <b>Fee: \$30.00. ** This class counts for a Practical Arts credit if the student has satisfied the graduation requirements for Fine Arts.</b>				
<b>TECHNICAL THEATRE II</b>	70795-Fall 70810-Spring	0.5	9-12	Tech Theatre I and/or Instructor's Approval	No
Meets Graduation Requirements in: <u>FINE ARTS</u> ____ May be taken more than once for credit <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course offers the serious technical theatre student the opportunity to participate in the phases of technical theatre. Course work may include the following: advanced scene design, advanced lighting design, advanced sound design, stagecraft, publicity, make-up, costumes, theatre organization, and management. Students will be required to participate in after-school productions and assume 15 hours of crew responsibilities. *After school sports will conflict with this requirement. <b>Fee: \$30.00. ** This class counts for a Practical Arts credit if the student has satisfied the graduation requirements for Fine Arts.</b>				
<b>Independent Study For TECHNICAL THEATRE III</b>	TBD	1.0	10-12	Tech Theatre II and/or Instructor's Approval	No
Meets Graduation Requirements in: <u>FINE ARTS</u> <input checked="" type="checkbox"/> May be taken <u>only</u> once for credit	This course offers the serious technical theatre student the opportunity to participate in the phases of technical theatre at a more holistic level. For the duration of one year, rather than a semester, students are able to participate in the production of a "season". Students may be assigned leadership responsibility for a particular show. 15 hours of out-of-class work is required. <b>Fee: \$30.00. ** This class counts for a Practical Arts credit if the student has satisfied the graduation requirements for Fine Arts.</b>				

# THE ADVANCED PLACEMENT PROGRAM

Advanced Placement (AP) is a program of college-level courses and exams that gives high school students the opportunity to earn credit, advanced placement, or both for college while still in high school. AP classes will be the most rigorous courses offered at Rock Canyon HS and will receive a weighted grade.

## Open Enrollment Framework

Rock Canyon believes all students benefit from the rigor of an AP course and thus maintains an open enrollment policy. There are a few qualifying factors to ensure proper placement when a student enrolls in an AP course. Check the description of each AP course for which ones apply.

- Teacher Signatures – enrollment in every AP course at RCHS requires the signature of a current teacher in the same content area.
- Application – courses in the English department have an application form to be filled out separately.
- Prerequisites – some AP courses require the successful completion of an appropriate foundational class. (Example: completion of Spanish IV before enrollment in AP Spanish).
- Proficiencies – many of the academic departments suggest minimum proficiencies from prerequisite courses or standardized exams (Example – completion of Algebra II with a recommended “B” or higher when enrolling in Statistics).

## Stipulations of Taking AP Course Work

A student enrolled in an AP course is choosing a curriculum that goes beyond the basic high school graduation requirements. The pacing, difficulty, skill development, and content of such courses revolve around the expectation of student completion of the College Board AP Exam in May. With this understanding comes the commitment to a year long course that demands some of the following elements from its participants.

- Course Registration Contract – every student who signs up for one or more AP courses will be required to have a signed contract that confirms their understanding of the commitment to the course and academic rigor.
- Examination – RCHS students are strongly encouraged to take the AP exam, and it is a major focus of the course content and instruction. There is a cost of \*\$86 for each AP exam taken. \* Subject to change with College Board cost increases.
- Fees & materials – there are additional costs accrued for participation in several AP courses. Many courses request that students purchase their textbook so they can be highlighted and written in. Other AP classes may have additional materials such as workbooks or lab fees.
- Time commitment – weekends, long breaks, and “Access” time will systematically be used to stay on schedule with content information. Students can expect daily homework commiserate with the time frame. Additionally, courses have the ability to assign summer work to be completed before the start of the school year.
- Drop Policy – AP courses are year-long commitments. All drop requests are reviewed by a school administrator. If a course drop from an AP class is approved, the student must remain in the same subject area for the added course.

## Weighting of Grades of AP Courses

- All AP courses are weighted. (A= 5.0, B= 4.0, C=3.0, D=1.0, F=0.0)
- It is highly recommended that a student take the AP exam. If they do not take the exam, the grade is still weighted and listed as AP on the transcript.
- If a student drops an AP class at semester, the weight will remain on the course.

## Advantages of Taking AP Course Work

- AP courses and exams represent the beginning of the journey through college-level academic challenges.
- Collegiate institutions recognize that applicants with AP experience are much better prepared for the demands of college courses.
- Tuition savings are realized for students whose AP performance earns them college credit.



- Earning AP credit allows students to move into upper-level courses in their field of interest by exempting them from required introduction courses. In addition, students have the opportunity of completing their degree early.
- More than 1,400 collegiate institutions award a full year's credit (Sophomore Standing) to students presenting satisfactory grades on a specific number of AP Exams.
- Gaining credit or advanced standing in college can give you time for other interests: time abroad, extra classes, independent studies, and internships.
- AP students are eligible for honors and other special programs in college.

### AP Scholar Awards

Each year, the College Board recognizes high school students who have demonstrated college-level achievement through multiple AP courses and exams. Some of the awards and their requirements are as follows:

- **AP Scholar.** Granted to students who receive grades of 3 or higher on three or more AP Exams on full-year courses (or the equivalent).
- **AP Scholar with Honor.** Granted to students who receive an average grade of at least 3.25 on all AP Exams taken, **and** grades of 3 or higher on four or more of these exams on full-year courses (or the equivalent).
- **AP Scholar with Distinction.** Granted to students who receive an average grade of at least 3.5 on all AP Exams taken, **and** grades of 3 or higher on five or more of these exams on full-year courses (or the equivalents).

### AP Courses Offered in School Year 2010-2011

AP Language and Composition	AP Human Geography
AP Literature and Composition	AP European History
AP Statistics	AP United States History
AP Calculus AB	AP Micro/Macro Economics
AP Calculus BC	AP U.S. Government
AP Biology	AP Psychology
AP Environmental Science	AP Spanish Language
AP Chemistry	AP French Language
AP Physics B	AP Computer Science A
AP Physics C	

Source: AP Bulletin for Students and Parents published by the College Board.

**\*To be completed by any student enrolling in 1 or more AP courses for next year.**

As a student enrolling in an AP course you are choosing a curriculum that goes beyond the basic high school graduation requirements. The pacing, difficulty, skill development, and content of such courses revolve around the expectation of student completion of the College Board AP Exam in May. It is with this understanding that you are making a commitment to a year long course that demands some of the following elements from its participants.

1. Time Commitment – weekends, long breaks, and “Access time” will systematically be used to stay on schedule with content information. Expect daily homework commiserate with the time frame.
2. Participation – means being prepared along with displaying a willingness to actively take part in classroom discussions, simulations, and group work.
3. Work Ethic – those who are willing to use the best of their abilities to stay on course will find success. Anyone who lacks the discipline to meet the rigorous demands these courses present may encounter trouble.
4. Summers – courses have the ability to assign summer work to be completed before the start of the school year.
5. Examination – RCCHS students are strongly encouraged to take the AP exam, and it is a major focus of the course content and instruction. There is a cost of \*\$86 for each AP exam taken. \*Subject to change with College Board cost increases.
6. Fees & Materials – there are additional costs accrued for participation in several AP courses. Many courses request that students purchase their textbook so they can be highlighted and written in. Other AP classes may have additional materials such as workbooks or lab fees.

### **Signed Statement of Participation**

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By signing on the line below you are in agreement with the guidelines set forth by the RCCHS academic departments, school administration, and counseling department for enrollment and participation in an Advanced Placement course.

- I read the above outline and understand the obligations required in a typical AP course environment.
- I forego the immediate availability of dropping into a “regular” course during the school year.
- I recognize the type of academic rigor associated with an AP course offering.
- I expect to be challenged and experience learning that prepares one for higher levels of education.

Student Name (Print) : \_\_\_\_\_ Grade: \_\_\_\_\_

AP Course(s) Enrolled In: \_\_\_\_\_ : \_\_\_\_\_  
: \_\_\_\_\_ : \_\_\_\_\_  
: \_\_\_\_\_ : \_\_\_\_\_

Student Signature : \_\_\_\_\_ Date: \_\_\_\_\_

Parent Signature : \_\_\_\_\_ Date: \_\_\_\_\_

# AP COURSE OFFERINGS

## COMPUTER SCIENCE

### AP COMPUTER SCIENCE A

**COURSE # 30505**

This year long course emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a Computer Science I & II college course. It also includes the study of data structures, logical expressions, class design, input/output operations, and abstraction. Instruction includes preparation for the AP Computer Science A Exam. RCHS students are strongly encouraged to take the AP exam, and it is a major focus of the course content and instruction. This course requires intensive computer work inside and outside of class. Students are committed to AP classes for the entire school year and cannot change classes at semester.

**Fees:** \$86 for cost of AP Exam plus recommended purchase of a class textbook.

**Grade Level:** 10th, 11th, 12th

**Prerequisites:** "C" or better in Intro. To Computer Science.

**Skills:** Students must have knowledge of basic algebra and experience in problem solving.

# LANGUAGE ARTS

## AP LANGUAGE AND COMPOSITION

**COURSE # 50390**

This college-level, year-long writing course prepares students for the Advanced Placement Language and Composition exam in May, through the study of rhetorical modes, from argument to analysis to expository essays. The writing is done using a process approach as well as a large number of timed, in-class essays. The class emphasizes college-level reading and writing experiences, including researched arguments. RCHS students are strongly encouraged to take the AP exam, and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

**Fees:** \$86 for cost of AP Exam plus recommended purchase of a class textbook (approximately \$60).

**Grade Level:** 11<sup>th</sup>

**Prerequisites:** Application / "B" or better in high school English courses.

**Time:** We read approximately two longer works (novel, play or non-fiction piece) per semester, as well as numerous shorter essays and excerpts each week. Students should expect to write an average of two essays per week. Reading often extends over holiday breaks, and students must be comfortable with a serious work load.

**Skills:** Students must be proficient in all Language Arts Standards.

**Other:** Complete summer reading of at least two books.

## AP LITERATURE AND COMPOSITION

**COURSE # 50400**

This accelerated, year-long course prepares students for the AP Literature and Composition exam through reading and analysis of literature and non-fiction essays. Students use both a writing process approach and a timed writing approach in order to build fluency, control and effectiveness in their writing. RCHS students are strongly encouraged to take the AP exam and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

**Fees:** \$86 for cost of AP Exam.  
Recommended purchase of books that the class is using (approximately \$60 for textbook).

**Grade Level:** 12<sup>th</sup>

**Prerequisites:** Application / "B" or better in high school English courses.

**Time:** Based on reading speed and comprehension levels, approximate time commitment is usually two books or plays each month with concurrent writing load. Books may be assigned to read over holiday breaks. Time management should not be an issue. Students should know how to manage a work load.

**Skills:** Students must be proficient in all Language Standards

**Other:** Complete summer reading of at least two books.

# MATHEMATICS

## AP STATISTICS

## COURSE # 60801

Advanced Placement Statistics is a college-level course designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: □ Exploring Data; (Observing patterns and departures from patterns), Planning a Study; (Deciding what and how to measure), Anticipating Patterns; (Producing models using probability and simulation,) and Statistical Inference; (Estimating parameters and testing hypotheses). RCHS students are strongly encouraged to take the AP exam, and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

- Fees:** \$86 for cost of AP Exam  
Calculator: Students are required to have a graphing calculator with statistical capabilities. Recommend a TI-83+ or TI-84+.  
Recommend purchase of textbook, The Practice of Statistics, 2<sup>nd</sup> Ed.
- Grade Level:** 11<sup>th</sup>, 12<sup>th</sup>
- Prerequisites:** Current Mathematics Teacher Signature.  
Completion of Algebra II (recommended “B” or higher).
- Time:** Approximately 3 – 4 hours per week to complete exercises, online quizzes, unit projects, and unit reviews outside of class will be necessary for students wishing to complete the course successfully. Those interested in a grade of “A” or “B” will need to devote 1 - 2 hours more per week for a total of 4 – 5 hours.
- Skills:** Students should have successfully completed Algebra II. Students must be willing to commit to 30-40 minutes of study per night. Students must access class website on a regular basis to view assignments, supplemental websites and course materials.
- Other:** To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data called CSA (Critical Statistical Analyses). These unit projects are assigned 1 - 3 weeks in advance of due dates, and it is highly recommended that students divide the work over several nights.

## AP CALCULUS AB

## COURSE # 60625

This is a rigorous advanced placement course for highly motivated students. This course is a comprehensive study of 1<sup>st</sup> semester college Calculus, including the study of derivatives, integrals, and their applications. Students will be prepared to sit for the AP Calculus AB exam, which allows for the student to test out of one semester of college Calculus. Students need to have a solid foundation in all levels of mathematics, from Algebra 1 to Pre-Calculus. RCHS students are strongly encouraged to take the AP exam, and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

- Fees:** \$86 for the AP Calculus AB exam  
\$24 for an AP Calculus AB workbook  
Recommended that students purchase a graphing calculator.
- Grade Level:** 11<sup>th</sup>, 12<sup>th</sup>
- Prerequisites:** Signature of current mathematics teacher.  
Completion of Pre-Calculus/Honors Pre-Calculus (recommended “B” of higher).
- Time:** Approximately 3 hours a week of outside work to complete homework and practice sets will be needed to successfully complete the course. Those wanting an “A” or “B” may need to devote additional time.
- Skills:** Students need to have a complete and comprehensive understanding of all math skills from Algebra 1 to Pre-Calculus.

## AP CALCULUS BC

## COURSE # 60650

AP Calculus BC is a college level course covering limits, derivatives, integrals, infinite series, and the calculus of parametric and polar equations. Extensive use is made of graphing calculator technology. Students are expected to enter the course with knowledge of algebra, geometry, trigonometry, analytic geometry, and elementary functions. After completing this course, students should be able to work with functions represented in a variety of ways (graphical, numerical, analytical, and verbal), and understand the connections among these representations. The objectives of this course are to cultivate a basic understanding of the concepts of calculus, to provide experience in the use of calculus methods, and to show how calculus methods may be applied to practical applications. RCHS students are strongly encouraged to take the AP exam, and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

Note: Calculus BC is an extension of Calculus AB rather than an enhancement; common topics require a similar depth of understanding. Both courses are intended to be challenging and demanding.

**Fees:** \$86 for cost of AP Exam  
\$23 for an AP Review Workbook  
Calculator: Students are required to have a graphing calculator.  
Recommend calculators: TI-89, TI-83+, or TI-84+.

**Grade Level:** 11<sup>th</sup>, 12<sup>th</sup>

**Prerequisites:** Current Mathematics Teacher Signature.

**Time:** Completion of Honors Trigonometry/Pre-Calculus (recommended "B" or higher)  
Approximately 5 to 6 hours per week (outside of class) to complete homework, projects, take-home tests, and reviews will be necessary for students wishing to complete the course successfully. There will also be additional time commitments for students over winter break, spring break, and in the two months before the exam to stay on pace and to prepare for the exam. Expect mandatory review sessions in April before the exam.

**Other:** Students enrolled in AP Calculus BC will be expected to complete a summer assignment prior to beginning the course. The assignment will be mailed/emailed to all students and it will be available via the instructor's web page. This assignment will be due during the first week of school.

# SCIENCE

## AP BIOLOGY

## COURSE # 80365

This course is designed to be comparable to a first year college Biology course. Topics include: cell biology, biochemistry, genetics, taxonomy, evolution and ecology. RCHS students are strongly encouraged to take the AP exam and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

- Fees:** \$86 for cost of AP Exam  
\$10 for lab supplies.  
Charges for workbook and lab book  
Recommended purchase of textbook (with CD), study cards, and review guides.
- Grade Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>
- Prerequisites:** Current Science Teacher Signature.  
Completion of Biology (recommended "C" or higher).
- Time:** Approximately 5-6 hours per week to complete notes, labs, and reviews outside of class.  
Unit Projects are assigned with 2-6 week lead time.
- Skills:** Students should have successfully completed both sophomore Biology and Chemistry. Students must be willing to commit to >1 hour of study per night.  
Students must access website on a regular basis to view assignments, websites and print materials.
- Other:** A summer assignment is assigned and due the first day of class. This is 10 hour assignment. A field trip to see a cadaver dissection is done on a Saturday in March. Other field trips are on block days. Students will be responsible for the 24/7 care and maintenance of a 1-day old chick for 10 days in April.

## AP ENVIRONMENTAL SCIENCE

## COURSE # 80370

This course is designed to be the equivalent of a one- semester introductory college course in environmental science. It is an interdisciplinary course that encompasses biology, chemistry, geology, earth science, and geography. Students are expected to master much content material outside of class, so ample class time is allowed for labs. RCHS students are strongly encouraged to take the AP exam and it is a major focus of the course content and instruction. Students are committed to this AP course for the entire school year and cannot change classes at semester.

- Fees:** \$86 for cost of AP Exam  
\$10 for lab supplies/online homework service.  
Recommended purchases of textbook, summer reading book, and AP Environmental Science review guide.
- Grade Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>
- Prerequisites:** Current Science Teacher Signature.  
Completion of Biology (recommended "C" or higher).
- Time:** Students are expected to spend a minimum of 1 hour each night on course (reading, reviewing notes, unit summary questions). Students are expected to spend a minimum of 2-3 hours on the weekends working on chapter readings, reviewing notes, lab write-ups, unit summary questions, and projects. Students should expect to master much content material outside of class, so ample class time is allowed for labs. Students must also access teacher web pages nightly to view assignments and access reading articles for class discussions.
- Skills:** Students should have successfully completed Biology or are concurrently enrolled in Chemistry. Students are expected to be highly motivated and organized.
- Other:** There is a summer reading assignment (book) for this course. Summary of the book is due on the first day of class. Students must participate in RIVERWATCH, which will involve one mandatory Saturday lab a month throughout the entire school year.

## AP CHEMISTRY

## COURSE # 80400

This course is designed to be the equivalent of a first year college Chemistry course. Topics that will be covered in depth are: stoichiometry, bonding, kinetics, gases, equilibrium, acids & bases, thermochemistry, electrochemistry, organic chemistry and nuclear chemistry. RCHS students are expected to take the AP exam and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

A charge may be assessed for a lab book. Prerequisite course is Chemistry.

**Fee:** \$86 for cost of AP Exam  
\$22 for lab supplies.

**Grade Level:** 11<sup>th</sup>, 12<sup>th</sup>

**Prerequisites:** Current Science Teacher Signature.  
Completion of Chemistry (recommended "B" or higher).

**Time:** Students should commit to approximately 6 hours a week to homework and lab write-ups. Students should also expect to spend approximately 1-2 hours outside of class each week in group study either with other students or with the instructor.

**Skills:** Students will be developing higher order abstract reasoning and problem-solving skills. Students must be able to persevere through difficult problems and seek assistance often. This requires a mature work ethic, scientific reading, writing and computational (Algebra II) skills and a comprehensive understanding of the chemistry concepts covered in the first-year class.

**Other:** Students are required to complete a summer assignment that is a review of first-year chemistry concepts. These concepts include: nomenclature, equation balancing and types, stoichiometry, gas laws, acid/base concepts, thermochemistry and equilibrium. Students are also expected to participate in extra study sessions and practice exams in the month prior to the AP Exam in May.

## AP PHYSICS B

## COURSE # 80654

This course provides a systematic introduction to the main principles of physics and emphasizes the development of conceptual understanding and problem-solving ability using algebra and trigonometry, but rarely calculus. In most colleges, this is a one-year terminal course including a laboratory component and is not the usual preparation for more advanced physics and engineering courses. However, the B course provides a foundation in physics for students in the life sciences, premedicine, and some applied sciences, as well as other fields not directly related to science. Students are committed to AP classes for the entire school year and cannot change classes at semester.

**Fees:** \$86 for cost of AP Exam  
\$10 for lab supplies/online homework service.

**Grade Level:** 11<sup>th</sup>, 12<sup>th</sup>

**Prerequisites:** Current Science Teacher Signature, completion of Chemistry, and concurrent enrollment in Honors Trig/Pre-Calculus.

**Time:** Weekends, long breaks, and "Access time" will systematically be used to stay on schedule with content information. Expect chapter homework commiserate with the time frame. (Nightly 1-2 hours, Weekend 2-4 hours, entire chapters over break, etc).

**Skills:** Participation – means being prepared along with displaying a willingness to actively take part in classroom discussions, labs, simulations, and group work.



## AP PHYSICS C

## COURSE # 80655

This course is designed to be comparable to a first year college course taken by Physics or Engineering majors. Topics that will be covered fall under two main categories: Mechanics – (Newtonian, linear, circular motion, rotational motion, and gravitation) and Electricity and Magnetism - (electric field, electric charge, potential, circuits, current and magnetic field). RCHS students are strongly encouraged to take the AP exam and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

Prerequisite courses are Physics and concurrent enrollment in AP Calculus AB or BC.

**Fees:** \$86 for cost of AP Exam  
\$10 for lab supplies/online homework service.

**Grade Level:** 11<sup>th</sup>, 12<sup>th</sup>

**Prerequisites:** Current Science Teacher Signature.  
Completion of Physics (recommended “C” or higher) or AP Physics B.  
Concurrent enrollment in AP Calculus AB or BC.

**Time:** Weekends, long breaks, and “Access time” will systematically be used to stay on schedule with content information. Expect chapter homework commiserate with the time frame. (Nightly 1-2 hours, Weekend 2-4 hours, entire chapters over break, etc).

**Skills:** Participation – means being prepared along with displaying a willingness to actively take part in classroom discussions, labs, simulations, and group work.

# SOCIAL STUDIES

## AP HUMAN GEOGRAPHY

**COURSE # 85905**

AP Human Geography is a college prep course that provides students with an academic experience equivalent to a college level freshman course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Concepts to be explored will include: patterns of human settlement, especially urbanization, the economic uses of the earth, political organizations of space, patterns of language, religion, other cultural traits around the globe, and the dynamics of human populations growth and movement. RCHS students are strongly encouraged to take the AP exam and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

- Fee:** \$86 for cost of AP Exam  
Recommended purchase of textbook, atlas, Key Issue worksheet book, and supplementary workbook.
- Grade Level:** 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>
- Prerequisites:** Current Social Studies Teacher Signature.
- Time:** Students should know how to manage a work load. Students should commit to approximately 4-5 hours a week to homework, based on reading speed and comprehension levels. Students are also expected to participate in extra study sessions and practice exams, especially in the month prior to the AP Exam in May
- Skills:** Students must participate in class discussions and activities, problem solve, demonstrate a strong work ethic, and be able to discuss, research and present information in both written and oral format. Students must have demonstrated success in previous social studies courses, should demonstrate an above average interest in geography, and have excellent writing skills.

## AP EUROPEAN HISTORY

**COURSE # 85500**

AP European History is a college prep course that provides students with an academic experience equivalent to a college level freshman survey of western history. This course examines European history from the time of the Renaissance and Reformation up to the present day. RCHS students are strongly encouraged to take the AP exam and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

- Fee:** \$86 for cost of AP Exam  
Recommended purchase of textbook.
- Grade Level:** 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>
- Prerequisites:** Current Social Studies Teacher Signature.
- Time:** Minimum time commitment is one hour per night, five nights a week. Weekends can include 1-2 hours of homework. Students who hope to get the highest scores on the AP exam should expect to do work on all breaks.
- Skills:** Reading comprehension and work ethic are the most important skills for this class. Students are expected to take lecture and reading notes, which we work on at the beginning of the year. The technical aspects of AP writing are stressed, but students should have a strong command of grammar and sentence fluency for this course.
- Other:** The amount of class participation is higher than in most regular classes. There are additional study sessions leading to the AP Test. Students are expected to be able to participate in class discussions daily, as well as actively participate in historical simulations throughout the year. Students are required to complete a summer reading assignment.

## **AP US HISTORY**

**COURSE # 85625**

Advanced Placement United States History is a chronological survey course covering the period from Colonial America (1607) to contemporary America (1990's). The Advanced Placement program in United States History is designed to provide you with analytic skills and factual knowledge to deal critically with the problems and issues in United States History. The course prepares students for intermediate and advanced college courses by making demands on you equivalent to those made by a full year introductory college course. Students will learn to assess historical materials; their relevance to a given interpretive problem, their reliability, and their importance. Students will also be prepared to weigh the evidence and interpretations presented in historical scholarship. RCHS students are strongly encouraged to take the AP exam and it is a major focus of the course content and instruction. Students are committed to AP classes and cannot change classes at semester.

**Fees:** \$86 for cost of AP Exam  
Recommended purchase of textbook

**Grade Level:** 11<sup>th</sup>, 12<sup>th</sup>

**Prerequisites:** Current Social Studies Teacher Signature.

**Time:** 4 - 6 hours per week to complete reading notes, and vocabulary terms. Assignments are laid out one month in advance and quizzed weekly.

**Skills:** Students must be willing to commit to >1 hour of study per night. Students must be able to organize their time effectively, read and differentiate between primary sources and secondary sources, analytical and persuasive writing, and the ability to know and synthesize large amounts of complex historical evidence.

## **AP MICROECONOMICS (1<sup>st</sup> Semester)**

**COURSE # 85630**

## **AP MACROECONOMICS (2<sup>nd</sup> Semester)**

**COURSE # 85631**

Advanced Placement Economics give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Microeconomics (first semester) emphasizes basic economic concepts; the nature and function of product markets; factor markets; and market failure and the role of government. Macroeconomics (second semester) emphasizes basic economic concepts; measurements of inflation and stabilization policies; economic growth and productivity; and international trade and finance. RCHS students are strongly encouraged to take the AP exam and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

**Fee:** \$86 for cost of AP Exam  
Recommended purchase of textbook.  
Required purchase of online subscription (\$20.00).

**Grade Level:** 12<sup>th</sup>

**Prerequisites:** Current Social Studies Teacher Signature.

**Time:** Students should expect, on average, 30 minutes of concentrated reading and note taking 4-5 nights a week, and 30 minutes of problem solving 1-2 days a week. Unit, Midterm and Final exams will cover multiple chapters and significant amounts of material, requiring several days' preparation of 1-2 hours each.

**Skills:** Mathematical reasoning, reading comprehension and work ethic are the most important skills for this class. Students are expected to take lecture and reading notes, participate actively in class discussions, and be accustomed to a quicker pace than normal. At a minimum, more than a passing interest in the business world will serve you well!

**Other:** There is a degree of overlap between the Micro and Macro courses. Either AP Micro or Macro will satisfy the economics graduation requirement for DCSD. However, many universities require both. In order to get the full year of credit at the university level, students usually need to score a composite of 7 or higher on both exams.

## AP US GOVERNMENT

## COURSE # 85720

This course provides students with an analytical perspective on government and politics in the United States. It involves the study of general concepts used to interpret U.S. institutions, groups' beliefs and ideas that constitute U.S. politics. This is a college level course with potential for college credit, thus extensive college level reading and writing is required. RCHS students are strongly encouraged to take the AP exam and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

**Fee:** \$86 for cost of AP Exam  
Recommended purchase of a consumable workbook (approximately \$60.00).  
Required purchase of Washington Post Weekly Edition.

**Grade Level:** 12<sup>th</sup>

**Prerequisites:** Current Social Studies Teacher Signature.

**Time:** Students should expect, on average, 30 minutes of concentrated reading and note taking 4-5 nights a week, and 30 minutes of project work, research or debate preparation 1-2 days a week. Unit, Midterm and Final exams will cover multiple chapters and significant amounts of material, requiring several days' preparation of 1-2 hours each.

**Skills:** An interest in politics, reading comprehension and work ethic are the most important skills for this class. Students are expected to take lecture and reading notes, participate actively in class discussions, and be accustomed to a quicker pace than normal.

**Other:** Students will be expected to maintain an ongoing knowledge of current events and present a debate to the class covering one topic in American government. Historically, given that AP Government is offered in the fall and the AP exam is not until May, students who are also taking AP Micro or Macro in the spring are able to draw larger connections within the two courses and are able to do more frequent review of, and preparation for, both AP exams in class.

## AP PSYCHOLOGY

## COURSE # 85760

This course is designed to be comparable to a first year college course in Introduction to Psychology. Topics covered include: brain structure and function, history of psychology, research methods, abnormal psychology and treatment methods, altered states of consciousness, child development, learning, memory, personality and social psychology. RCHS students are strongly encouraged to take the AP exam and it is a major focus of the course content and instruction. Students are committed to AP classes and cannot change classes at semester. There are no prerequisite courses for AP Psychology.

**Fees:** \$86 for cost of AP Exam  
Recommended purchase of textbook.  
Recommended purchase of Hock's "Forty Studies That Changed Psychology".

**Grade Level:** 11<sup>th</sup>, 12<sup>th</sup>

**Prerequisites:** Social Studies teacher signature.

**Time:** Nightly reading and unit journal assignments, weekly review sessions six weeks prior to the exam (Monday nights 5-7), work over weekends and breaks.

**Skills:** Study skills are a must. In addition writing is a major part of the course and the ability to read critically and summarize data is necessary. Participation in class discussion and debate is also a major part of the course.

# WORLD LANGUAGE

## AP SPANISH LANGUAGE

**COURSE # 95640**

AP Spanish Language is a course for students who wish to develop proficiency and integrate their language skills, using authentic materials and sources. This course is designed to give intensive practice at an advanced level in Spanish and to prepare for the Advanced Placement exam in Spanish Language. AP Spanish Language is equivalent to courses taught at the fifth and sixth semesters at the college level. The four skills areas in second language learning are: reading, writing, listening, and speaking. These skills will be practiced in an integrated fashion, such that reflects how they will be presented on the AP exam. RCHS students are strongly encouraged to take the AP exam, and it is a major focus of the course content and instruction. Students are committed to AP classes for the entire school year and cannot change classes at semester.

**Fees:** \$86 for cost of AP Exam  
Workbook fee TBD

**Grade Level:** 11<sup>th</sup>, 12<sup>th</sup>

**Prerequisites:** Successful completion of Level 4.  
Current Foreign Language Teacher Signature.

**Time:** Approximately five hours per week. Work will be given over weekends and holidays.

**Skills:** Must be willing to participate and have a good work-ethic.

## AP FRENCH LANGUAGE

**COURSE # 95440**

AP French Language is a course for students who wish to develop proficiency and integrate their language skills, using authentic materials and sources. This course is designed to give intensive practice at an advanced level in French and to prepare for the Advanced Placement exam in French Language. AP French Language is equivalent to courses taught at the fifth and sixth semesters at the college level. The four skills areas in second language learning are: reading, writing, listening, and speaking. These skills will be practiced in an integrated fashion, such that reflects how they will be presented on the AP exam. Students are strongly encouraged to take the AP exam and will receive extensive preparation for the exam. Students are committed to AP classes for the entire school year and cannot change classes at semester.

**Fees:** \$86 for cost of AP Exam  
Workbook fee TBD.

**Grade Level:** 11<sup>th</sup>, 12<sup>th</sup>

**Prerequisites:** Successful completion of Level 4.  
Current Foreign Language Teacher Signature.

**Time:** Approximately five hours per week. Work will be given over weekends and holidays.

**Skills:** Must be willing to participate and have a good work-ethic.

## POST SECONDARY ENROLLMENT / DUAL CREDIT OPTION

*Through a partnership with Arapahoe Community College*

Available to Douglas County School District Students

2010-2011

## COLLEGE READY PROGRAM

**CHOOSE from a VARIETY of ACC COURSES \***

Accounting Principals 1  
Astronomy 1  
Astronomy II  
Science of Biology  
Introduction to Business  
Personal Finance  
International Business  
Intro to Computer Info Sys  
Complete PC Word Processing  
Complete PC Database  
PC Spreadsheets Concepts  
Computer Technician I: A+  
Computer Technician II: A+  
Networking I: Network A+  
Networking II: Network A+  
Public Speaking

Intro to Criminal Justice  
Law Enforcement Operations  
Introduction to Education  
English Composition I  
US History to Reconstruction  
US History since Civil War  
Humanities: Early Civ  
Humanities: From Medieval to  
Modern  
Humanities: The Modern World  
Intro to Human Performance  
Intro to Literature  
Masterpieces of Literature I  
Masterpieces of Literature II  
Literature and Film  
Human Relations in Organizations

Principles of Marketing  
Math for Liberal Arts  
College Algebra  
College Trigonometry  
Intro to Multimedia Graphic  
Design  
Photoshop I  
Illustrator I  
Web Design I  
Fundamentals of Music  
Music Appreciation  
General Psychology I  
General Psychology II  
Spanish Language I  
Spanish Language II  
Intro to Theatre

\* courses are subject to availability

*Ask your counselor for an ACC College Ready Brochure for complete course descriptions or  
go to*

[http://www.dcsdk12.org/portal/page/portal/DCSD/Learning\\_Services/Supervision\\_of\\_Schools/Career\\_Development/College\\_Ready\\_Program](http://www.dcsdk12.org/portal/page/portal/DCSD/Learning_Services/Supervision_of_Schools/Career_Development/College_Ready_Program)

## COLLEGE READY HIGHLIGHTS

Courses taught by Douglas County teachers

Courses taught during regular school day hours

Earn dual credit (DCSD and Arapahoe Community College college credit)

A minimal registration fee to be determined

*(additional fees may apply to some courses and subject to change)*

Students will purchase required textbook(s)

Check with your specific Colorado college for credit transferability of courses

What's being offered at your high school? Refer to your 2010-2011 course catalog.

Still have questions? See your counselor for detailed information and a College Ready Brochure.

11/09