Program of Studies
2014 - 2015

Solon City Schools, a diverse collaborative learning community of families, staff, and community members, will ensure all students attain the knowledge and skills to succeed and become contributing, ethical citizens in a global society, through our unwavering commitment to inspire every student to achieve personal excellence.

Solon High School

Solon City Schools

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From the Principal . . .

Dear Students and Parents,

This 2014-2015 Program of Studies booklet is designed to acquaint you with the various programs and courses offered at Solon High School. There are many options to consider when planning your personal schedule. Vast opportunities exist across the curriculum from required courses in core academic areas to electives in business, computer technology, industrial technology, foreign languages, fine arts, performing arts and physical education. Whether your future plans include college, the world of work, or the military, we have a program to match your needs.

Please consider your schedule very carefully. Good planning and course selection in the beginning of the scheduling process will help in our efforts to give you the priorities you choose. Be sure to include your parents and your counselor in all decisions concerning your schedule.

As you plan for next year, read this booklet carefully. Ask questions and take a serious look at your educational goals. Evaluate what you have accomplished and what is yet to be done. Don't leave Solon High School wishing you had done more or accomplished more. Please take advantage of the opportunities you have now to bring you greater success in the future!

Sincerely,

Erin A. Short

Erin Short
Principal

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Solon High School
349-6230

Erin Short, Principal
Theresa Brownlow, Assistant Principal
Antoine Campbell, Assistant Principal
Erica Kosiorek, Assistant Principal
Anne Johns, Counselor, Dept. Chair
Wendy Dingman, Counselor
Kathleen Kinney, Counselor
Rick Nowak, Counselor
Ann Trocchio, Counselor
Mark McGuire, Athletic Director

PLANNING & POLICIES

How to Plan Your Program of Studies

Students are encouraged to carefully plan a program of studies that will assist them in reaching their educational and occupational goals. The information outlined on the following pages is designed to guide students in selecting the subjects that will lead toward achieving their goals.

It is important that you select courses to fit your career plans. It is suggested that you:
Review all requirements for graduation, read the information given about each department, and use your Course Planner form (on pages 48 and 49) and complete the form for your four-year program, paying particular attention to graduation requirements.

Ohio Core Graduation Requirements

Subject	Credits
English 9, 10, 11, 12	4 credits
Health	1/2 credit
Mathematics Must include Algebra II	4 credits
Physical Education (Courses are semester courses & are each 1/4 credit)	1/2 credit

Science
• Physical Science 1 credit
• Biology 1 credit
• Advanced study in: 1 credit
  • Chemistry, physics, or other physical science
  • Advanced biology or other life science
  • Astronomy, physical geology, or other earth or space science
	3 credits

Social Studies • World History 1 credit • U.S. History 1 credit • U.S. Government 1/2 credit • Economics 1/2 credit	3 credits
Fine Arts One year-long course or two semester courses	1 credit
Electives One sequence or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education, or English language arts, mathematics, science, or social studies courses not otherwise required.	5 credits

Note to Parents and Students Regarding Graduation Requirements

It is the student's responsibility to see that requirements for graduation are met. The high school will make every effort to keep up-to-date records and to keep students and parents informed about the status toward compiling the necessary coursework for graduation requirements. However, it is the student's responsibility to be acquainted with the necessary requirements to meet this goal.

In order to participate in commencement, students must meet all graduation requirements which include passing 5 parts of the Ohio Graduation Test.*

Students must pass all 5 parts of the Ohio Graduation Test to graduate.*

* Classes of 2017 and 2018: State testing requirements for graduation have not yet been established by the Ohio Department of Education at the time of print. We will inform you when we are made aware of the details.

Ohio Non-Core Graduation Requirements

Subject		Credits
English 9, 10, 11, 12		4 credits
Social Studies		3 credits
(World History	1 credit)	
(U.S. History	1 credit)	
(U.S. Government	1/2 credit)	
(elective	1/2 credit)	
Mathematics		3 credits
Science		3 credits
Physical Education (Courses are semester courses & are each 1/4 credit)		1/2 credit
Health		1/2 credit
Electives		1 credit or any combination leading to 1 credit in Business/Technology Fine Arts, or Foreign Language All other credits with a minimum of 6 credits
Total		21 credits

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It is the student's responsibility to see that requirements for graduation are met. The high school will make every effort to keep up-to-date records and to keep students and parents informed about the status toward compiling the necessary coursework for graduation requirements. However, it is the student's responsibility to be acquainted with the necessary requirements to meet this goal.

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* Classes of 2017 and 2018: State testing requirements for graduation have not yet been established by the Ohio Department of Education at the time of print. We will inform you when we are made aware of the details.

Fine Arts Courses

The following are recognized by Solon High School as courses which fulfill the Fine Arts credit requirement.

ART	
Advanced Computer Graphics	1.0
Advanced Sculpture	1.0
Advanced Studio Art	1.0
AP 2-D Design	1.0
AP Art History	1.0
AP Studio Art	1.0
Ceramics I	.5
Ceramics II	.5
Computer Graphics I	.5
Computer Graphics II	.5
Design Fundamentals	.5
Drawing I	.5
Drawing II and Printmaking	.5
Painting	.5
Photography I	.5
Photography II	.5

ENGLISH	
Debate	.5
Public Speaking	.5
Creative Writing	.5
Journalism	1.0
Newspaper Production	1.0

FAMILY & CONSUMER SCIENCES	
Creative Cuisine	.5
Introduction to Fashion, Fabrics and Fibers	.5
Advanced Fashion, Fabrics & Fibers	.5

MUSIC	
Band	1.0
Orchestra	1.0
History of Jazz	.5
Music Theory	.5
AP Music Theory	1.0
Men's Chorus	1.0
Women's Chorus	1.0
A cappella Choir	1.0
Music In Motion	1.0

TECHNOLOGY & ENGINEERING	
Auto CAD I	.5
Auto CAD II	.5
Graphic Arts	.5
Production Technology	.5
Woods/Home Construction Tech	.5

EXCEL TECC	
Agriculture & Career Exploration	1.0
Audio & Video Production Art	1.0
CADD Engineering Technology	1.0
Construction Management I	1.0
Construction Trades	1.0
Cosmetology	1.0
Culinary Arts	1.0
Environmental Education	1.0
Floriculture & Gardening Operations	1.0
Landscape & Turf Operations	1.0
Cleveland Botanical Gardens	1.0
Interactive Media	1.0
Performing Arts Academy	1.0
Visual Art & Design	1.0

The Career Portfolio

The Career Portfolio is compiled in the spring of 11th grade and updated senior year. It serves as a validation of the student's educational and career experiences and can be used to provide colleges, training institutions, and employers with information for screening, interviewing, and selecting applicants. The components of the Career Portfolio include a career narrative, a resume and a skills summary.

Honors Diploma

Under state standards students in a **college preparatory education** curriculum will qualify for a diploma with honors if they meet the following criteria:

1. Meet all of the graduation and credit requirements established by the Solon Schools.

2. Students must complete the **college preparatory curriculum**, must fulfill all but one of the following criteria:

   a. four units of English;
   b. four units of mathematics including Algebra I, geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content;
   c. four units of science, including physics and chemistry;
   d. four units of social studies;
   e. either three units of one foreign language or two units each of two foreign languages;
   f. one unit of fine arts;
   g. maintain an overall high school grade point average of at least 3.5 up to the last grading period of the senior year;
   h. obtain or surpass a composite score of 27 on the American College Test (ACT) * or a 1210 composite score on the Scholastic Aptitude Test I (SAT I). *

   * The writing score is not considered for the Honors Diploma.

Under state standards students in an intensive **career-technical education** curriculum will qualify for a diploma with honors if they meet the following criteria:

1. Meet all of the graduation and credit requirements established by the Solon Schools.

2. Students must complete the **career-technical education curriculum,** must fulfill all but one of the following criteria:

   a. four units of English;
   b. four units of mathematics including Algebra I, geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content;
   c. four units of science, including physics and chemistry;
   d. four units of social studies;
   e. four units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post secondary credit;
   f. maintain an overall high school grade point average of at least 3.5 up to the last grading period of the senior year;
   g. achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent;
   h. obtain or surpass a composite score of 27 on the American College Test (ACT) * or a 1210 composite score on the Scholastic Aptitude Test (SAT I). *

   * The writing score is not considered for the Honors Diploma.

Ohio Graduation Tests

The Ohio legislature established a statewide high school testing program for all high school students. Tests are administered in the areas of reading, writing, mathematics, social studies and science to verify student achievement. The State Department of Education develops the tests, determines the criteria for passing qualifications, scores the tests and reports the scores to each high school.

In order to earn a diploma students must pass all five of the Ohio Graduation Tests (OGT). Students will take the OGT for the first time in March of their sophomore year. If a student is not proficient in one or more subjects of the OGT they will retake that subject test in the fall and spring of their junior and senior years until passage is achieved.

A student may meet the testing requirements for passing all five Ohio Graduation Tests if he/she meets **all** of the following criteria:

1 Passes four of the five tests and has missed passing the fifth test by no more than ten points;
2. Has a 97% attendance rate, excluding any excused absences, through all four years of high school and must not have had an expulsion in high school;
3. Has at least a grade point average of 2.5 out of 4.0 in the courses of the subject area not yet passed;
4. Has completed the high school curriculum requirement;
5. Has participated in any intervention programs offered by the school and must have had a 97% attendance rate in any programs offered outside the normal school day; and
6. Has letters recommending graduation from the high school principal and from each high school teacher in the subject area not yet passed.

Credit for Promotion

The minimum student course load is 5 credits per year. Students are encouraged to take more than five credits.

To Grade 10: A student will be promoted to 10th grade with a completed minimum of 5 credits.
To Grade 11: A student will be promoted to 11th grade with a completed minimum of 10 credits.
To Grade 12: A student will be promoted to 12th grade with a completed minimum of 15 credits.

Note: These guidelines should be viewed as minimum. Usually a student will have earned more credits than are needed for promotion.

It is the student's responsibility to see that requirements for graduation are met. The high school will make every effort to keep up-to-date records and to keep students and parents informed about the status of progress toward compiling the necessary course work for graduation requirements. However, it is the student's responsibility to be acquainted with the necessary requirements for graduation.

College Entrance Recommendations

The Solon Guidance Department recommends a college preparatory program which includes:

- 4 years of English, with emphasis on composition
- 3-4 years of mathematics (Algebra I, II and geometry)
- 3-4 years of science (Biology, Chemistry, Physics)
- 3 years of social studies
- 2-3 years of foreign language
- 1 year of fine, applied or performing arts (including photography and graphic arts)

Because of varying university requirements, students are encouraged to check the most recent policies regarding course requirements with each university or college admission office.

Summer School

Summer school information will be available in May. Talk to your guidance counselors for specific details.

Repeating a Course

Students who earn a D in the first year of Math or Foreign Language will be recommended for the same course the following year. Students who earn a D have not reached a level of competency that will enable them to be successful in following years. If a student chooses to not repeat the course, they will have to complete an at-risk form. Students who are repeating a course need to meet with their guidance counselor to discuss transcript and GPA information.

Students who earn an F in any course should meet with their guidance counselor to discuss if they should repeat the course the following year or if they can take it in summer school.

Athletic Eligibility Requirements

Student participants in athletics shall fulfill all requirements as set forth by the Ohio High School Athletic Association, including the requirement to pass a minimum of five credits in the preceding grading period.

The participant must meet all standards set by the Ohio High School Athletic Association By-Laws regarding academics, age, amateur status, enrollment and attendance, recruiting, residence, and transfers. Copies of these By-Laws are located in the *Student and Parent Athletic Handbook*.

In order to be eligible in grades 9-12, a student must be currently enrolled in school the grading period immediately preceding. During the preceding grading period, the student must have received passing grades in a minimum of five one-credit courses which count toward graduation. **Physical education courses do not count towards the credits needed for athletic eligibility.**

Changing a Schedule

Students may change their schedule if they meet one or more of the listed criteria:

1. If a student does not have 5 credits each semester.
2. If a student wants to go up a level, i.e.: Geometry to Honors Geometry, CP English to AP English.
3. Adjustments due to successful completion of summer school.
4. If a student's schedule is in error – not giving them their original request from previous year.
5. Add any additional course(s) where enrollment permits and does not require movement of other courses.

Dropping a Course: If a student drops a course after the last day of the 2013-2014 school year and does not meet one or more of the listed criteria, that dropped course will be denoted on their transcript as a Withdraw. Note: Year-long courses must be dropped by the end of the first semester; semester courses must be dropped by the end of the first nine weeks of the semester.

Adding a class: Students will not be allowed to add a course to their schedule after two weeks from the start of the course.

Changing a level: Student will not be allowed to change a level (for example, Honors Physics to General Physics) **after four weeks** from the start of the course.

Be advised that if you move down a level (i.e.: AP Psychology to Psychology) a WD will be posted to the transcript.

Senior Clause – In addition to the above penalty, a senior who drops a class will not be eligible for late arrival or early dismissal if that dropped course falls in periods 1 or 7.

Grade Point Average and Weighted Grades

The Grade Point Average is calculated using the following *quality points*:

	4 Point-System Weight	Honor Course Weight	AP Class Weight
A	4	4.5	5
B	3	3.375	3.75
C	2	2.25	2.5
D	1	1	1
F	0	0	0

To calculate a student's GPA for the quarter, multiply the *quality point* earned in a course by the *attempted credit* to determine the *earned quality point*. The *attempted credit* is dependent upon the total amount of credit for course completion. For example, a one credit year-long course for one grading period earns .25 credit. To determine the GPA for the quarter, divide the total *earned quality points* by the total of *attempted credits* for all the courses in the grading period.

To calculate a student's overall GPA, divide the total *quality points* by the total *attempted credits*. Use the student's final grade in a course to determine the *quality point* (not each quarter's grade).

A transcript is a document indicating a student's final record of high school performance which includes credits attempted and earned, final grades for each course (quarter, mid-term exam and final exam grades are not included), the attendance record and state test results.

Students who transfer to Solon High School will only receive weighted grades for those courses which are weighted courses offered at Solon High School.

Semester/Year Grades

To determine grades for Semester Courses: Double the value* for each quarterly grade; add single value* for semester exam. Use the chart to determine the semester grade.

To determine grades for Year-Long Courses: Double the value* for each quarterly grade; add single value* for the mid-term and final exams. Use the chart to determine the year grade.

* value is 4 for A, 3 for B, 2 for C, 1 for D, 0 for F

Grade Earned:	A	B	C	D	F
Year Course:	35-40	25-34	15-24	5-14	0-4
Semester Course:	18-20	13-17	8-12	3-7	0-2

A student must receive a passing grade for two of the last three marks in a year course to earn credit for a course. A student must receive a passing grade for two of the three marks in a semester course in order to earn credit for a course. Students with an “A” average for year long courses are exempt from the final exam.

Fee Schedule

The Board of Education approved the following school fees for Solon High School during the 2014-15 school year. This list does not include fees for workbooks which are used in some courses and noted throughout this book.*

SUBJECT	TERM	APPROXIMATE AMOUNT
ART		
AP Art History	1 Year	32.00
AP 2-D Design	1 Year	32.00
AP Studio Art	1 Year	52.00
Advanced Studio	1 Year	37.00
Ceramics I	1 Semester	32.00
Ceramics II	1 Semester	32.00
Computer Graphics I	1 Semester	21.00
Computer Graphics II	1 Semester	21.00
Design Fundamentals	1 Semester	26.00
Drawing I	1 Semester	26.00
Drawing II & Printmaking	1 Semester	26.00
Painting	1 Semester	37.00
Photography I	1 Semester	21.00
Photography II	1 Semester	26.00
Advanced Sculpture	1 Year	62.00
Advanced Computer Graphics	1 Year	21.00
FAMILY & CONSUMER SCIENCES		
Children's World	1 Semester	17.00
Creative Cuisine	1 Semester	27.00
Intro to Fashion, Fabrics & Fibers	1 Semester	11.00
Advanced Fashion Fabrics & Fibers	1 Semester	16.00
Foods	1 Semester	26.00
Foods for Fitness	1 Semester	26.00
Single Survival	1 Semester	17.00
Teen Topics	1 Semester	17.00
HEALTH & PHYSICAL EDUCATION		
Basketball	1 Semester (jersey fee)	12.00
Lifeguard Certification	1 Semester (certification fee)	95.00

SUBJECT	TERM	APPROXIMATE AMOUNT
MATH		
Intro to Computer Programming	1 Semester	11.00
AP Computer Science	1 Year	11.00
SCIENCE		
PhysicalScience	1 Year	16.00
General Biology	1 Year	16.00
Honors Biology	1 Year	16.00
Anatomy & Physiology	1 Year	52.00
AP Biology	1 Year	26.00
General Chemistry	1 Year	16.00
Honors Chemistry	1 Year	16.00
AP Chemistry	1 Year	26.00
General Physics	1 Year	16.00
AP Physics 1	1 Year	26.00
AP Physics 2	1 Year	26.00
Environmental Science	1 Year	26.00
AP Environmental Science	1 Year	26.00
TECHNOLOGY & ENGINEERING		
Engineering Applications	1 Semester	26.00
Graphics Arts	1 Semester	32.00
AutoCAD I	1 Semester	16.00
AutoCAD II	1 Semester	16.00
Woods & Home Construction Technology	1 Semester	26.00
SENIOR FEE		5.00

All students taking AP courses will be required to take an exam in May. The fee for the exam must be paid by March 2, 2015, at a cost of approximately $89 per each AP exam.

Fees are charged for Technical Education courses. Official information regarding fees will be provided upon application to the program.

*** Fees are subject to change. Fees for 2014-15 will not be established until the summer.**

SPECIAL SERVICES

Pyramid of Strategies

At Solon High School, an extensive and systematic program has been implemented to ensure that all students are meeting academic standards. This Pyramid of Strategies is a collaborative effort among teachers, administrators, parents and the students themselves. Communication and input with parents and students are key to identifying the level of assistance necessary as well as which specific strategies may help individual students close learning gaps.

Students who are struggling are encouraged by teachers to take advantage of the various options for additional help offered at Solon High School during the school day. Students have access to academic labs including:

- Math Lab
- Writing Lab
- Foreign Language Lab
- Science and Social Studies Lab

These labs are located in the media center and students with study hall may choose to visit on their own or request a pass from their teacher.

After-School Study Center (located in the back of the media center) is available for struggling students Monday through Thursday from 3:15 to 4:00.

The Guidance Department maintains a listing of outside tutors available to assist students as well. Solon High School teachers also ask students who are struggling to make individual appointments for before- or after-school help.

Parents are urged to monitor their children's academic progress continually throughout the school year. Solon High School provides several easily accessible tools to aid in this process.

- **Grade Book Parent Viewer** provides a real-time look at students' grades and their performance on individual assignments and assessments. A password to access the confidential online grade book is mailed to parents at the beginning of the school year. Use this same password for the remainder of years the student attends Solon High School.
- **The Family Information System** is another convenient way for parents and students to keep up with assignments and upcoming assessments. Teachers post the week's lesson plans weekly, which include homework assignments.

Whenever questions arise, parents and students should contact the teacher via email or voice mail. Contact information for all staff members is posted on the Solon High School home page on the district web site at www.solonschools.org.

Guidance and Counseling Services

Guidance and counseling services are available to students in grades 9-12. There are five full-time counselors available to help students with their personal/social issues, academic and career interests, and college goals. Additionally, a financial aid advisor is on staff on a part-time basis.

The Guidance Department encourages students to request assistance in planning their educational program for their high school and college years. The Solon High School Guidance Website (www.solonschools.org/guidance) provides parents and students with the most up-to-date information regarding the college application process, a calendar listing colleges that will be visiting, website links, and all of our student handouts and forms. Please use our website for a wealth of career and college planning information. The Naviance College Planning Program is a useful tool available to our students through the guidance website. Students can access and explore information regarding colleges, resume preparation, careers, and course planning at either of these sites.

As you plan, consider the following:

1. *Am I fulfilling specific graduation requirements?*
2. *Am I choosing courses most appropriate to my interests and abilities?*
3. *Am I preparing for post-high school opportunities?*

Counselor assignments are as follows:

Mrs. Wendy Dingman	(440) 349-6242	wendydingman@solonboe.org	A – DE
Mr. Rick Nowak	(440) 349-6243	ricknowak@solonboe.org	DF – HO
Ms. Ann Trocchio	(440) 349-7407	annbruce@solonboe.org	HP – MC
Mrs. Kathleen Kinney	(440) 349-7307	kathleenkinney@solonboe.org	MD – SEE
Mrs. Anne Johns	(440) 349-6241	annejohns@solonboe.org	SEF – Z

EDUCATIONAL OPTIONS

Senior Project

This program gives seniors the opportunity to provide them with real-life experiences in their career choices. For two weeks in May, a participating senior will "shadow" a mentor in a field in which the student has shown interest. The student will gain an understanding of the practical nature of the professional world – an experience that will provide the necessary drive to succeed in college.

Seniors will have to meet certain requirements regarding grade point average, attendance and discipline. Details regarding these requirements will be announced to the senior class at a meeting in the fall. Solon High School can provide a list of possible on-site sponsors; however, students need to find their own placement. Students will be required to write a daily journal entry and essay paper and will make a short presentation on the project experience. The last day of school for seniors who participate is in mid-May. These seniors are exempt from final exams.

Advanced Placement Courses/ Examinations

Solon High School's Advanced Placement program is an opportunity for students to pursue college-level studies while still in secondary school. Through this program they may earn credit, advanced placement, or both, for college. Students who take AP courses learn a subject in depth, develop analytical reasoning skills, and form disciplined study habits that can contribute to continued success at the college level. Students who choose to enroll in one or more AP courses need to consider the information listed below before making final course selections:

- All AP courses have recommended prerequisites. Students should have successfully met the prerequisites for the AP course. Prerequisites are listed in the individual course descriptions.
- AP courses are college level courses. The expectations are at a college level. The work in the classroom is rigorous. The preparation time outside of class such as homework, outside readings, and research may be extensive. Students should be prepared to spend anywhere from 1-3 hours a night on related work.
- All students are required to take the AP exam at the end of the year. Taking the AP exam enables students to compare their knowledge and understanding of a college-level subject with the high academic standards established by college faculty.
- Because of their rigor, AP courses are assigned a weighted grade factor of .25 except for students receiving a grade of D or F.

Solon High School offers the following Advanced Placement courses: Biology, Chemistry, Physics, Statistics, Computer Science, Environmental Science, English, Chinese, French, German, Spanish, American Government, World, European and United States History, Economics, Calculus AB and BC, Studio Art and Music Theory.

The fee for each AP exam, due by March 2, 2015, is approximately $89 and is the responsibility of the student.

Post-Secondary Enrollment Option

This program has been established to permit high school students to take coursework at the high school and at a local college simultaneously. The program is intended to provide expanded opportunities for appropriately qualified high school students to experience coursework at the college or university level. The high school continues to be responsible for providing a comprehensive and challenging college preparatory curriculum including Advanced Placement and other advanced level courses for students. College courses should either contribute to or supplement the broad academic preparation needed by high school students.

- The Solon City Schools shall provide information about the Post Secondary Enrollment Options Program to all students in grades 9 - 12 prior to March 1 of each year.
- A student or his/her parent shall inform the Solon High School Guidance Office by March 31 of the student's "intent to participate" in this program during the following school year. This deadline is state mandated.
- The Solon High School Guidance Office shall provide counseling services to interested students in grades 9 - 12 and their parents before the student participates in the program to ensure they are fully aware of the possible risks and consequences of participation.
- The student and his/her parent must sign a Post Secondary Enrollment Option form that indicates they have participated in a counseling session regarding the program and that they understand the responsibilities they must assume in the Post Secondary Enrollment Options Program.

Credit Flexibililty

- Students may earn credits through:
    - The completion of coursework;
    - Testing out of or demonstrating mastery of course content; or
    - Pursuing one or more educational options in accordance with the District's Credit Flexibility Plan.

- Issuance of credit will be determined locally.

- School and students who choose educational options will pre-identify and agree on the learning outcomes.

- Credits earned through this alternative means will be reflected on students' transcripts in the same way as traditional credits earned via seat time.

ACADEMIC AWARDS

Honor/Merit Roll and Award Program

Honor Roll is computed at the end of each nine-week grading period. Students in grades 9-12 who earn a cumulative grade point average of 3.0 or above during the first three grading periods are honored in the spring at a recognition program sponsored by the school and PTA.

Merit Roll - students earning a 3.0 to 3.49 grade point average*
Honor Roll - students earning a 3.5 to 5.0 grade point average*

* A student is ineligible for a quarter's Merit/Honor Roll if the student receives a D or F in any subject.

Academic Graduation Medal

Academic medals to be worn at the graduation ceremony are awarded by the Solon Academic Boosters to seniors who are graduating with at least a 3.5 cumulative grade point average (calculation based on seven semesters).

Academic Letter

Students who achieve a grade point average of 3.5 or above in an academic year at Solon High School qualify to receive an academic letter. Pins to add to the letter are awarded for the second and third times the student qualifies. These items are awarded by the Academic Boosters Club to students.

National Honor Society

The National Honor Society is a national organization for the recognition of students with outstanding accomplishments in the areas of scholarship, leadership, service, and character.

To be considered for selection into the National Honor Society, a Solon High School junior or senior must meet the following criteria:
- Student has earned a cumulative grade point average of 3.5.
- Student must submit an essay and a resume of activities to support leadership and service (by an established deadline).
- Candidates will be rated by faculty based on leadership, service, and character.
- Final selection into the National Honor Society shall be by a majority vote of the Solon High National Honor Society Faculty Advisory Council.

Selected juniors and seniors shall be inducted during a formal ceremony each spring.

Student Recognition Programs

Teachers nominate one student in each class to be a Rising S.T.A.R. (acronym for Solon Teachers Are Recognizing Students). Nominations are based on who has improved the most academically during the quarter or from the previous quarter. A lunch and certificate is presented to the students for their work in the first, second and third quarters. The Academic Booster Club provides the lunch during the students' regularly assigned lunch period.

Each semester, teachers nominated two students from their classes and/or two students in clubs or activities that they advise to receive a Comet of the Semester. Nominations are based on citizenship, service, motivation, creativity, and/or leadership. Students are awarded a certificate during a continental breakfast held before the school day begins.

Teachers award a "Gotcha" card when students go above and beyond academically or in citizenship or service to others. The students turn the cards into the office. Drawings are held and prizes are distributed weekly.

ART

Courses

All courses are semester courses except the AP courses, Advanced Studio, Advanced Sculpture, and Advanced Computer Graphics.

Design Fundamentals
Drawing I
Drawing II & Printmaking
Painting
Advanced Studio
AP Studio Art
AP Art History

Computer Graphics I
Computer Graphics II
Photography I
Photography II
Advanced Computer Graphics
AP 2-D Design

Ceramics I
Ceramics II
Advanced Sculpture

College and Career Tracks

Taking courses in sequence is recommended.

* Courses = Prerequisite or teacher permission required.

	TIER 1	TIER 2	TIER 3	TIER 4
STUDIO TRACK	**Drawing I** **Design Fundamentals**	*** Drawing II** **Painting I**	*** Advanced Studio**	*** AP Studio Art** **AP Art History**
2D DESIGN TRACK	**Computer Graphics I** **Photo I**	*** Computer Graphics II** *** Photo II**	*** Advanced Computer Graphics**	*** AP 2-D Design**
3D SCULPTURE TRACK	**Ceramics I**	*** Ceramics II**	*** Advanced Sculpture**	

Design Fundamentals

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

If you're interested in careers like architecture, animation, fashion and web design, Design Fundamentals is where you should start. Learn the foundations of the creative process through the use and elements of art, the principals of design while producing original works using a wide variety of media. You'll learn how to organize your work for success and how to evaluate or "critique" your artwork. Fee: $26

Drawing I

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

It is amazing how easy drawing can be once you've been shown how to see your subject. This course is geared towards beginning and experienced artists. You will demonstrate basic technical skills using a variety of drawing materials. Subjects studied in this course vary from collage, still-life, perspective and the human face. You will identify sources artists use for visual reference to generate ideas for artworks. This course is recommended to continue your studies in Studio Art for the college-bound art students. Fee: $26

Painting

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

Have you ever been lost in a painting? Well imagine someone being lost in your painting! This course is designed for beginning and experienced artists. You will explore color, painting styles, and brush techniques by contemporary and historical artists. The use of watercolor, acrylic paint, and other media will be explored as a means to create images that are personally expressive. This course is recommended to continue your studies in Studio Art for the college-bound art students. Fee: $37

Drawing II & Printmaking

Intermediate Level Course
(5 periods per week for 1 semester - 1/2 Credit)

Do you enjoy being surrounded in art images and creating creative expressive drawings? This is the course for you! You will demonstrate proficient technical skills with various art media when creating from observation, memory and imagination. During this course you will communicate through human form as well as the elements and principles of design. Printmaking techniques will be introduced as a different way of expressing your ideas. This course is required to take Advanced Studio for the college-bound art students. Fee: $26

Advanced Studio

Advanced Level Course
(5 periods per week for 1 year - 1 Credit)

Now that you have mastered design, drawing and painting, learn to develop your personal artistic style and communication. Do you need a portfolio for art school or college admissions? This year long course will help you create theme-based works of art and show you how to represent yourself for college admission or AP Studio Art. This course is required in order to take AP Studio Art in your senior year. Fee: $37

AP Studio Art

Accelerated Level Course
(5 periods per week for 1 year - 1 Credit)

This college entry-level studio portfolio course provides advanced challenges in art making for the highly motivated high school student in art. At the completion of this course, 24 works of art will be submitted for Advanced Placement evaluation. Students earning an Advanced Placement score of three to five on their portfolio can earn entry-level credit at their respective colleges. AP Studio students work independently with teacher consultations. Extensive out-of-class commitment is necessary to complete your portfolio. This course can result in college placement credit for successful candidates. Fee: $52

AP Art History

(5 periods per week for 1 year - 1 Credit)

AP Art History emphasizes understanding works of art within their historical context by examining issues such as politics, class, religion, patronage, audience, gender, function, and ethnicity. The course teaches students to understand works of art through both visual and contextual analysis. Students who have done well in other courses in the humanities, such as history and literature, or in any of the studio arts are especially encouraged to enroll. This course can result in college placement credit for successful candidates. Fee: $32

Ceramics I

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

If you like using your hands to express yourself then this is the course for you. This course explores the scientific elements of clay and glazing. You will investigate functional forms such as vases, pots, mugs and non-functional pots using hand building techniques. Take this course and you will learn step by step, how to throw beautiful works on the wheel. The clay is awaiting your creative minds and abilities! Fee: $32

Ceramics II

Intermediate Level Course
(5 periods per week for 1 semester - 1/2 Credit)

Expand on wheel-throwing skills along with hand building skills. This course is designed to investigate sculptural forms and explore multiple solutions to visual art problems through clay. This class will allow you to use observation, memory and imagination to demonstrate proficient skills. Through class discussions and research of other artists you will create amazing art. Fee: $32

Computer Graphics I

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

If you love working on the computer and have an interest in the visual arts, this class is for you. Learn how to use the computer as a tool for layout, illustration and design. Students will learn Photoshop to experience a wide range of commercial design and creative fine art projects. Fee: $21

Computer Graphics II

Intermediate Level Course
5 periods per week for 1 semester - 1/2 Credit - Grades 10-12)

Expand and apply your computer graphics skills to several different programs and formats in this visual arts class. Students will create integrated graphics through multiple computer programs. Students will explore design layout, web design and basic animation through this course. Fee: $21

Photography I

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

Learn what basic principles are involved in the photographic process from the most simple pin-hole camera to digital photography. While using a 35 mm single lens reflex camera, you'll learn how to process black and white film and make prints in a traditional darkroom. This course also covers the historical significance of photography as it applies to art and society and compositional techniques to create more meaningful images. The correct and safe use of equipment and chemistry is emphasized with both in-class and out-of-class shooting assignments. Equipment is provided. Fee $21

Photography II

Intermediate Level Course
(5 periods per week for 1 semester - 1/2 Credit)

Build on the skills you learned in Photography I to begin to use the camera as an artistic tool. While concentrating on the final image, you'll learn advanced dark room techniques, the use of medium format cameras, and digital photo manipulation. The open-ended assignments allow for personal expression and creative development. Students should have access to their own digital camera to complete the many out-of-class assignments. It is suggested that this course be taken within a year of Photography I. Fee: $26

Advanced Sculpture

Advanced Level Course
(5 periods per week for 1 year - 1 Credit)

A year long course, Advanced Sculpture will be a third tier advanced course in the Solon High School visual art program. The course would be available to students who have taken Ceramics I & II and have an interest in pursuing an AP 3D Design portfolio. The course would be based in Ohio's visual arts standards at the HS Advanced level. Fee: $62

Advanced Computer Graphics

Advanced Level Course
(5 periods per week for 1 year - 1 Credit)

A year long course, Advanced Computer Graphics will be a third tier advanced course in the Solon High School visual art program. The course would be available to students who have taken Computer Graphics I & II and have an interest in pursuing an AP 2D Design portfolio. The course would be based in Ohio's visual arts standards at the HS Advanced level. Fee: $21

AP 2-D Design

(5 periods per week for 1 year - 1 Credit)

Design involves purposeful decision making about how to use the elements and principles of art in an innovative way. For this portfolio, students are asked to demonstrate mastery of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, drawing, painting and printmaking. At the completion of this course, 24 works of art will be submitted for Advanced Placement evaluation. This course can result in college placement credit for successful candidates. Fee: $32

BUSINESS & Technology

Courses

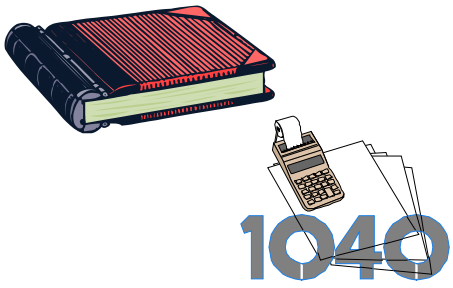
All courses are semester courses except Career Exploration.

Accounting I
Accounting II
Career Exploration
College Keyboarding
Entrepreneurship
Information Technology & Multi-Media
Legal Issues in the World of Business
Marketing
Personal Finance
Survey of Business

Accounting I

(5 periods per week for 1 semester - 1/2 Credit)

This is an introductory course designed for students who are interested in obtaining career information in the field of accounting. Students will have an opportunity to develop entry-level job skills. They will learn about journals, ledgers, balance sheets, income statements, schedules of accounts receivable and payable, reconciliation of bank statements, payroll, income tax preparation and depreciation. As the theory is being presented, students will have an opportunity to start and develop an automated accounting system in a **networked** environment. Workbook fee.



Accounting II

(5 periods per week for 1 semester - 1/2 Credit)

The course will cover corporate accounting. Accounting I covers sole proprietorship and partnership accounting principles and procedures. This course will add to the student's exposure to the accounting field. It will be presented in both a manual and automated environment. The students would learn departmental accounting, control systems, general accounting adjustments, corporate accounting, management accounting, and cost accounting. The students will journalize transactions, post entries, and prepare and analyze financial statements. The students will complete various accounting projects which will summarize the material that has been covered in the classroom. Workbook fee.

Career Exploration

(5 periods per week for 1 year - 1 Credit; students can earn up to 2 additional credits through work experience outside of the classroom)

This course is designed for the student who wants to gain knowledge and skills in the world of work. Students will learn skills that will help them get a job, keep a job and manage the money they are earning. Skills such as interviewing, resume writing, goal setting, and effective work related communication will be included. Additionally they will research career opportunities that relate to their individual interest through interaction with human relations professionals from the greater Solon community. Students will have the opportunity to earn additional credit based on the number of hours they work a week. Students will have to provide paystubs to validate the number of hours worked.

College Keyboarding

(5 periods per week for 1 semester - 1/2 Credit)

This course is offered to accommodate the special needs of students who wish to refresh or improve their keyboarding skills. It is offered at a pace that is challenging and dynamic. Students learn to create, format, edit, revise and print documents such as letters, memorandums, reports, outlines, tables and manuscripts. In addition, they will work with advanced text editing functions.

Entrepreneurship

(5 periods per week for 1 semester - 1/2 Credit)

This introductory course is designed to motivate the student who may be considering ENTREPRENEURSHIP as a possible career. Material will be presented to provide the student with an awareness and understanding of the risks involved when making this type of career decision. Content will include information from accounting, advertising, marketing, finance, management, insurance, law, communication and the use of technology as it applies to the entrepreneurial functions.

When appropriate, guest speakers will be presented and field trips will be taken. Workbook fee.

Information Technology & Multi-Media

(Word/Excel/Access/PowerPoint/ Publisher/Photo Story)
(5 periods per week for 1 semester – 1/2 Credit)

Would you like to learn to use Word, Excel, PowerPoint, Access, Publisher, and Photo Story…all part of Microsoft Office? Are you interested in learning to use Microsoft Office and the Internet together to take data off the World Wide Web? Then this is the course for you!

This course is designed for students who are seeking a fast yet thorough training of desktop applications. No prior experience is needed. Students will engage in meaningful exercises that provide practical and in-depth experience. They will complete hands-on exercises that emphasize the importance of defining publication goals, text layout and graphic design. In addition, they will develop a basic understanding of menus, toolbars, pasteboards/clipboards, text flow and shadow/borders as well as scanning/ importing and editing graphics. Applications will be used together and separately to make documents and presentations for school or home use. Students will have an opportunity to create publications from scratch. Students will learn to produce professional looking publications that will help to maximize effective communications. Students will plan, prepare and complete a variety of projects such as flyers, coupons, newsletters, invitations, and worksheets.

Legal Issues in the World of Business

(5 periods per week for 1 semester - 1/2 Credit)

This course is designed to help students understand how business and personal law will impact their life. They will be encouraged to use critical thinking skills to discuss and debate laws and rules that apply to business situations and transactions.

Students will explore and analyze situations related to legal and business issues dealing with but not limited to: 1) Employment Discrimination, 2) Property and Insurance Coverage, 3) Electronic Issues in E-Commerce, 4) Contractual Duties, 5) Personal Injury, 6) Consumer Protection, 7) Credit Obligations and 8) Personal Injury Laws.

When appropriate, guest speakers will be presented and field trips will be taken.

Marketing

(5 periods per week for 1 semester - 1/2 Credit)

Marketing is a study of the retailers' and consumers' roles in the economy. This course outlines the essential concepts, principles and terminology required to understand basic marketing. Material will deal with the areas of promotion, distribution, product development, the general marketing environment and information sources for marketing decisions.

Personal Finance

(5 periods per week for 1 semester - 1/2 Credit)

This is an introductory course designed to help students understand the kinds of business and personal records that they will use as a citizen, taxpayer and consumer.

Units of study will be introduced that emphasize managing money, budgeting, banking services, tax preparation, buying insurance, investing, and credit. Financial Management Simulation fee.

Survey of Business

(5 periods per week for 1 semester - 1/2 Credit)

This introductory course in business prepares students to deal with and become familiar with the free enterprise system. Exploratory units are presented in banking, money management, career awareness, marketing consumer education, credit, insurance, economics and comparative economic systems. Students learn how to complete basic income tax (Forms 1040, 1040A and 1040EZ) and how to balance a checkbook.

ENGLISH

Courses

All courses are year courses except Speed Reading, Public Speaking, and Debate, which are semester courses.

English 9 (College Preparatory)
English 9 Honors
English 10 (College Preparatory)
English 10 Honors
English 11 (College Preparatory)
English 11 Honors
AP English 11 Language and Composition
English 12 (College Preparatory)
AP English 12 Literature and Composition
Creative Writing
Journalism
Newspaper Production
Debate
Public Speaking

Students are required to purchase some or all of their supplemental reading materials based on course selection. Students may be required to purchase *Vocabulary Workshop* and/or *Write for College.*

Language Arts Program at Solon High School

To encourage all students to write effectively and frequently, the English Department is committed to teaching writing as a process of drafting and revising. Upon graduation, students can be assured they have received intensive instruction and practice to further their writing skills through a variety of written assignments.

To help students become critical thinkers, they are exposed to a variety of classics and modern literature. Students are taught how to interact with the text and how to discern inferential meanings in the various genre read.

Honors English

Honors English courses are intended to challenge and enrich academically talented, highly motivated students to fulfill their potential. Students aspiring to take Honors English courses should have high achievement test scores, exhibit excellent proficiencies in writing and reading skills and should have been enrolled previously in the Honors program. The aim of the Honors courses is to help students develop an in-depth understanding of the various forms of literature while strengthening their writing skills. The Honors English courses serve as the foundations for the AP literature and language courses.

English 9 (College Preparatory)

(5 periods per week for l year - l Credit)

This one-year college preparatory course provides the student with intensive instruction and practice in the skill of written expression. Students are expected to demonstrate an ability to write in a clear, concise and persuasive manner. They are introduced to the study of selected novels, plays, short stories, poetry and nonfiction. Throughout the course vocabulary, word origins, spelling, syntax and grammar are stressed. Students are provided with ample opportunity for oral discussions.

English 9 Honors
(5 periods per week for l year - 1 Credit)

It is an expectation that students who enroll in English 9 Honors possess a solid command of grammar and sentence structure, as well as an elevated vocabulary. Students' previous work in English classes must illustrate a desire and aptitude in reading many genres, both for personal interest and for literary study. Therefore, they possess strong literal and inferential skills as well as the ability to convey their ideas in formal essays. While in English 9 Honors, students will complete assignments in which they exemplify comprehension and analysis of Greek literature, poetry, classic and modern novels, and various forms of nonfiction. In addition, the writing component of the class will present students with the challenge of responding to complex prompts which require that students demonstrate organization, complex sentence structure, the ability to integrate quotes, and the support of theses. Students are required to purchase various works of literature which will become a part of their personal library. Workbook fee.

English 10 (College Preparatory)
(5 periods per week for l year - l Credit)

This course provides students with instruction and practice to help them improve their reading and writing skills and vocabulary. Instruction is focused on effective paragraph development and use of transitions and organizational techniques in developing essays. All students will be instructed in the art of public speaking, logical reasoning and oral presentation techniques. Students will be exposed to literary selections from the various genres: novel, drama, short story, poetry and nonfiction. These literary experiences will enrich students and give them a solid basis from which to discuss and write meaningful papers. Workbook fee.

English 10 Honors
(5 periods per week for l year - l Credit)

Students who elect this course will prepare to meet the exacting standards of honors classes in drama, literature and writing. Students will write interpretative, analytical, narrative and expository papers that demonstrate a mastery of correct, concise formal English prose. Analysis of literary and dramatic works as well as nonfiction will also be stressed, both in discussions and in writing. The course will require student purchases beyond the normal English 10 curriculum (thesaurus, dictionary, paperbacks, *Write for College*, etc.).

English 11 (College Preparatory)
(5 periods per week for l year - l Credit)

This course includes the study of poetry, drama, essay, fiction and nonfiction and is based on the writings of representative American authors. Discussions of these works will stimulate students to evaluate the ideas expressed in the material read, to relate the universality of these ideas to their own world and to evaluate and present material in a logical, organized manner both in written and oral forms. Students will take a research-based approach to these discussions and writings. Workbook fee.

English 11 Honors
(5 periods per week for l year - 1 Credit)

The Honors English ll course is an in-depth survey of literature through the Twenty-first Century with specific emphasis upon American authors. All genres are studied as in the college preparatory course. However, the selection of major works is more extensive in this course emphasizing discussions and analyses of literature as well as substantial expository and analytical writing. Students are taught procedures for scholarly library research and are responsible for the completion of critical research papers. Students are required to purchase various paperback books throughout the year.

AP English 11 Language and Composition
(5 periods per week for 1 year - 1 Credit)

This course provides an opportunity for talented students to develop college-level reading and writing skills. Students will study prose written in a variety of periods and consider the effects of language choices on audience. Students will learn to recognize and apply rhetorical strategies in analytical, argumentative, and narrative writings. Prospective students must have department approval and must have completed Honors English 9 and 10. This course can result in college placement credit for successful candidates. All students will participate in the Advanced Placement examination in May.

English 12 (College Preparatory)
(5 periods per week for l year - l Credit)

The twelfth grade curriculum is designed as a bridge between high school and post secondary opportunities. All course content is aligned with our philosophy that students need to be intelligent, productive members of society who can read, speak, and write articulately about modern issues and complex concepts. The students will practice a variety of deep, critical reading skills utilizing both fiction and nonfiction works. These skills will be utilized in a thorough research process that will culminate in a formal academic research paper which will be presented in front of an audience consisting of teachers, peers and members of the professional working community.

AP English 12 Literature and Composition

(5 periods per week for l year - 1 Credit)

This course is designed for qualified and motivated students who wish to pursue college-level studies while still in secondary school. Utilizing college texts and materials, students will strive to write analytical and narrative essays with precision and creativity. Extensive and intensive readings in all genres will expose students to the best in literature. This course can result in college placement credit for successful candidates. Prospective students must have department approval and have completed Honors English 9 through ll. All will participate in the Advanced Placement examination in May. Workbook fee.

Creative Writing

(5 periods per week for 1 semester – 1/2 Credit)

Students will be writing every day in a variety of genres. They will explore different writing styles. Their writing skills will be developed through pre-writing, writing, editing, revising and critiquing. Students will also be examining various genres by reading various poetry, songs, columns, short stories, plays, monologues, speeches, etc. Additionally, students must be willing to share their work. Students will be asked to give constructive feedback to other students in the class. Goals will be met through various reading, writing and speaking opportunities.

Journalism

(5 periods per week for l year - 1 Credit)

Journalism aims to give students a basic background in the history of journalism and to provide them with full exposure to the many design techniques and writing skills required of a working journalist. Students will learn to write and speak more clearly and to express their thoughts concisely and coherently. Students will need to purchase a tape recorder and an AP stylebook for the class. Some of the activities in this class may extend beyond the school day.

Newspaper Production

(5 periods per week for l year - 1 Credit) (Prerequisite: Journalism and teacher approval) Students may enroll multiple years.

Newspaper Production is a sequential course which implements and expands upon the principles learned in Journalism. Students are responsible for in-depth reporting, for the monthly layout and sale of the school's newspaper, the *Courier*, for editorial decisions regarding the format and content of the paper and for their managerial and financial duties of procuring ads and billing. Some of the activities in this class will extend beyond the school day.

Prospective students must have teacher approval and must have successfully completed Journalism. As a member of the staff, students are required to purchase the current AP Stylebook and must own a tape recorder. Students may enroll beyond one year.

Public Speaking

(5 periods per week for l semester - 1/2 Credit)

Public speaking is designed to provide instruction and practice in various speaking situations. Students will learn the principles of communication in order to present themselves more effectively. Strategies and formats for giving informative, persuasive, and group presentations will be covered.

Debate

(5 periods per week for l semester - 1/2 Credit)

Debate is for students who have already taken the public speaking course. It provides more extensive training and experience in various debate formats. The in-class debates involve topics chosen and researched by the students.

FAMILY & CONSUMER SCIENCES

Courses

All are semester courses.

Children's World
Creative Cuisine
Foods
Foods for Fitness
Introduction to Fashion, Fabrics and Fibers
Advanced Fashion, Fabrics, and Fibers
Single Survival
Teen Topics

Teen Topics

(5 periods per week for 1 semester - 1/2 Credit)

This course is designed for the student who wants to take an action-oriented approach to studying issues and problems faced by adolescents. Students will evaluate issues from the perspective of the individual, the family, and society. Students will gain practice preparing nutritious meals as well as use the foods lab and sewing lab to take part in community service projects. Fee: $17

Foods for Fitness

(5 periods per week for 1 semester - 1/2 Credit)

Nutrition plays a critical role in overall fitness. Following a balanced diet can help individuals feel better and live a more active lifestyle. The emphasis in this class is placed on personal diet, athletes' nutritional needs, losing and gaining weight safely, and diets for special health concerns. Students will learn to prepare nutritious snacks and meals in the foods lab. Fee: $26

Children's World

(5 periods per week for 1 semester - 1/2 Credit)

This class provides students opportunities to learn skills that could be useful in a career working with children. Content includes child development from conception through the teen years, with an emphasis on the needs of children at each stage of life. Students will have the opportunity to create games and activities for children and to prepare nutritious and fun meals and snacks for them. Fee: $17

Foods

(5 periods per week for 1 semester - 1/2 Credit)

This course is for students who enjoy learning about and working with food. Students will practice basic food preparation techniques. Content includes planning, preparing and serving foods. The principles learned will broaden students' abilities to incorporate convenience foods into meal preparation as well as prepare baked goods and meals from scratch. Fee: $26

Single Survival

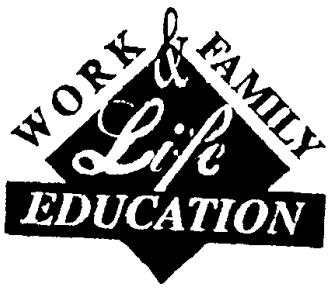
(5 periods per week for 1 semester - 1/2 Credit)

This course is for the student who is getting ready to live on their own. Taught as a simulation of living life in the "real world," students in this class will select housing and transportation, find a job, open a bank account, pay bills, and deal with crisis situations and many other real life experiences. Cooking labs include planning and preparing snacks and nutritionally sound meals and entertaining with foods. Fee: $17

Creative Cuisine

(5 periods per week for 1 semester - 1/2 Credit)

Advanced cooking skills are explored in this foods class. Students broaden their experience preparing foods used in family meals and foods used in entertaining. Food preparation techniques as well as nutrition, aesthetics, and cost in meal planning are emphasized. Fee: $27



Introduction to Fashion, Fabrics and Fibers

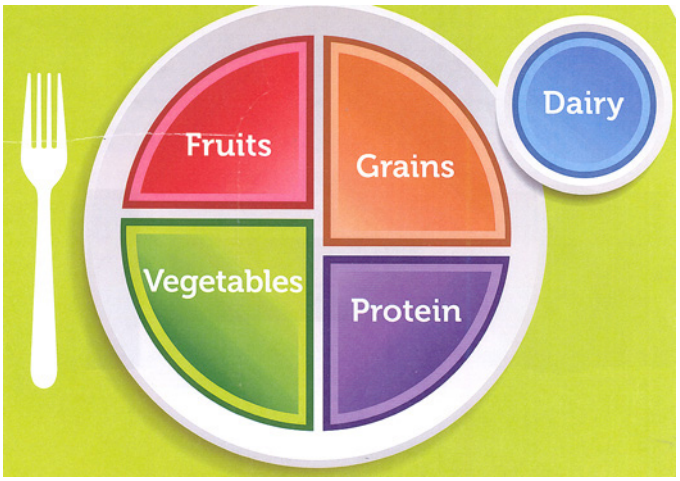
(5 periods per week for 1 semester - 1/2 Credit)

This course is for the student interested in fashion and fiber arts. Content includes the study of the fashion industry, fashion trends, and creative marketing techniques. Students will also be introduced to a variety of textiles and fibers for product analysis. Clothing projects will be individualized to meet the needs of the beginning or advanced sewer. Fee: $11

Advanced Fashion, Fabrics, and Fibers

(5 periods per week for 1 semester - 1 Credit)

Students will further their knowledge of fashion design by designing an individual garment, crafting the pattern, and sewing the garment. Students will continue learning about the fashion merchandising business by selecting a fashion store to research and follow through a fashion season. Additionally, students will increase their competency in one skill learned in the introductory class by completing a project of their choice. Fee: $16



HEALTH & Phys. Ed.

Courses

All are semester courses.

Basketball
Competitive Sports
Dance Fitness
Lifeguard Certification
Personal Fitness
SAQ (Strength, Speed, Agility and Quickness Training)
Sports and Activities
Zero Period Health
Zero Period Weight Training and Conditioning
Zero Period Sports and Activities
Health
Principals of Coaching and Peak Performance
Sports Management

Students must take two of any non-health courses to complete the physical education credit requirement.

Students can take the same physical education course multiple times.

Basketball

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester - 1/4 Credit per semester)

Students will get an enriched experience in a semester of basketball; it includes game play and competition; strengthening of basketball skills through a variety of drills and overall improvement in basketball knowledge and strategies. Jersey fee: Approximately $15

Competitive Sports

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester - 1/4 Credit)

This class is designed to meet the needs of any student who would enjoy participating in team and individual sport activities in a more competitive environment. Students will enjoy competing in many of, but not limited to, the activities offered in our *Sport and Activities Class*. The performance level of this class will have a competitive intra-mural atmosphere enhanced by student's development of teamwork, sportsmanship, and effort.

Dance Fitness

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester - 1/4 Credit per semester)

Dance Fitness combines the fundamentals of all styles of jazz (musical theatre, lyrical and pop), ballet, tap, ballroom, and hip-hop. Students will learn basic techniques from these various styles of DANCE and FITNESS exercises to improve flexibility, muscular and cardio endurance. Through these movements, students will create routines that display their skills, technique and creativity in DANCE and FITNESS.

Lifeguard Certification (American Red Cross/ARC)

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester
- 1/4 Credit per semester)

The primary purpose of this course is to provide entry level lifeguard participants with the knowledge and skills to prevent, recognize and respond to land and water emergencies, and care for sustained injuries/ illness until emergency medical services (EMS) personnel arrive and take over. Students will learn skills to ensure their ability to work effectively with others as part of a lifeguard team. Students who fulfill all pre-requisite requirements, show proficiency in lifeguarding skills and fulfill test requirements will receive a certification at the end of the course. Course Fee: approximately $95 to cover certification.

American Red Cross Lifeguard certification Pre-requisites:

- Students must be 15 by the end of the school year of which the class was taken to receive a certification; 1 summer certification session will be offered for students who turn 15 in June and July. Note: If a student takes the course 1st semester and is not yet 15 by the end of the course, he/she will have to retake all written and physical tests upon turning 15 to receive an ARC certification.
- Pre-requisite physical requirements. A 300 yard continuous swim using front crawl and breast stroke, and a 1 foot surface dive and 10 pound brick retrieval with 20 yard swim in under 1 minute and 40 seconds.

Personal Fitness

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester
- 1/4 Credit)

This class is offered to students who would like to maintain or improve overall fitness levels. Activities are set to music and include but are not limited to, high/low impact aerobics, step aerobics, kickboxing, circuit, intervals, body sculpting, Pilates and core training. Discussions about nutrition, basic techniques and training principles are also covered. Students experience a class that is fun and personally geared to their progress.

SAQ (Strength, Speed, Agility and Quickness Training)

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester
- 1/4 Credit)

The purpose of SAQ is to improve a student's overall strength, balance, stability, coordination, quickness and speed. SAQ training is a series of drills and exercises that develop the body's core muscle groups and neuromuscular pathways that control athletic movement. Benefits to taking this class include decrease risk of injury, improve overall strength, greater flexibility and greater self-esteem and confidence.

Sports and Activities

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester
- 1/4 Credit)

Students will participate in a variety of competitive and non-competitive units, offered in team and individual activities or a lifetime fitness format. Basic to intermediate skills will be applied while learning the strategy of the activity. Activities are chosen individually, allowing students to elect a program that best meets their areas of interest.

Zero Period Weight Training and Conditioning.

This course does not count towards athletic eligibility.
(5 classes per week for 1 semester
- 1/4 Credit)

Students will be able to fulfill their PE requirement during the zero-period before the school day begins. This will allow students the flexibility they need to take other courses during the regular school day. This class will offer a wide variety of popular activities for the students. Students will be given enough time to shower and get ready for school in the varsity locker rooms. This class will run from 6:45a.m.-7:35a.m. at Solon High School. Athletes that are a part of an athletic team will be allowed the flexibility to train with their varsity coaches' lifting and conditioning program. Students that are not a part of an athletic team will be given a workout program tailored to their individual needs.

Zero Period Sports and Activities

This course does not count towards athletic eligibility.
(5 classes per week for 1 semester
- 1/4 Credit)

Students will be able to fulfill their PE requirement during the zero-period before the school day begins. This will allow students the flexibility they need to take other courses during the regular school day. This class will offer a wide variety of popular activities for the students. Students will be given enough time to shower and get ready for school in the varsity locker rooms. This class will run from 6:45a.m.-7:35a.m. at Solon High School. Students will participate in a variety of competitive and non-competitive units, offered in team and individual activities or a lifetime fitness format. Basic to intermediate skills will be applied while learning the strategy of the activity.

Health

(5 periods per week for l semester - 1/2 Credit)

Students will be provided with current information to develop healthful attitudes and behaviors. This course will encourage students to examine their lives and apply their values, insights and skills to everyday situations. After a brief introduction to the subject area, the following topics will be discussed: Mental Health, Nutrition, Communication, Relationships, Substance Abuse, Human Sexuality, STDs and HIV.

Zero Period Health

(5 periods per week for 1 semester - 1/2 Credit)

Students will be provided with current information to develop healthful attitudes and behaviors. This course will encourage students to examine their lives and apply their values, insights and skills to everyday situations. After a brief introduction to the subject area, the following topics will be discussed: mental Health, Nutrition, Communication, Relationships, Substance Abuse, Human Sexuality, STDs and HIV. The class will be held at 6:45 a.m. - 7:35 a.m.

Principles of Coaching and Peak Performance

(5 periods per week for 1 semester - 1/2 Credit)
(This is a health elective course; it does not fulfill the health requirement.)

The impact of coaching has exploded, touching every aspect of today's society. Components of this course will include: organizing and planning daily activities; scheduling events and activities; pre-, during, and post season communication; team rules; consequences; team building; legal issues; social issues; effective coaching practices and techniques; discipline and child development; and the psychology of coaching. Also covered will be the who, what, where, when, why, and how's of motivation and relationship building with the child, parent, coach, community, and administration. We will discuss the tools necessary to maintain a healthy life balance within (and outside) coaching that must be dealt with on a daily basis. Moreover, students will be introduced to the mental skills critical for peak performance. These include goal setting, visualization, focus, motivation, leadership and self-confidence. Students will also learn methods of injury prevention, care, and basic nutritional needs for peak athletic performance. Current training techniques will be investigated, using previous knowledge covered, to determine their overall effectiveness. While this course may be based in athletics, it principals are interdisciplinary.

Sports Management

(5 periods per week for 1 semester - 1/2 Credit)
(This is a health elective course; it does not fulfill the health requirement.)

This interdisciplinary course will allow the students to understand the sport and recreation industry. The program will cover the many facets of the sport and recreation industry including, sport law and the legal aspects of sport and physical activity; sport marketing and promotion; the role of ethics in sport; the economics and finance of the sport industry; and the role of sport in society. Students will gain exposure and a hands-on experience to sport event management, sport-related venue design and operations, management and leadership in sport organizations and media relations.

MATHEMATICS

Courses

All are year courses except for the semester course of Introduction to Computer Programming.

Transition Algebra/Algebra I
Algebra I
Algebra II
Honors Algebra II
College Algebra
Geometry
Honors Geometry
Pre-Calculus
Honors Pre-Calculus
Calculus
AP Calculus AB
AP Calculus BC
Calculus III: A Study in Multivariable Calculus/Differentiated Equations
AP Statistics
Introduction to Computer Programming
AP Computer Science

Transition Algebra/ Algebra I

(10 periods per week for 1 year [2 periods per day] - 2 Credits [one for Transition Algebra and one for Algebra I]) (Teacher recommendation only)

This course is a combination of Transition Algebra and Algebra I. The student who successfully completes this course will be eligible to take geometry. Only students recommended by teachers will be assigned this class. The *TI-84 Plus* calculator is required daily for student sucess.

In general, the course is designed with structured investigations and a series of guided problems to support team learning and mathematical discourse. Numerous lessons revisit "mathematical background" of selected topics. Each problem is designed to stimulate team discussion of the mathematical concepts. Homework assignments are designed to practice previous ideas as well as content from the current lesson. Included in homework are problems directed at various levels of difficulty – both to challenge and complete understanding.

Topics addressed by Transitional Algebra include working with integer and fraction operations, simplifying variable expressions and solving equations and inequalities, systems of equations, expressions with exponents, identifying ratios, rates and slopes, analyzing, graphing and interpreting data.

Moreover, the student will earn the second credit for completing the Algebra I portion. In this portion, the course provides algebraic content using a problem-based approach in a study team environment. Emphasis is placed on multiple representations of linear, quadratic and exponential functions (analytic, numerical, graphical, and contextual) and the meaning of a solution. A major focus of the course is the development of multiple strategies to solve problems and understand concepts. Students will symbolically manipulate expressions and solve single equations and inequalities as well as systems of linear and non-linear equations and inequalities. Students will be introduced to absolute value and square root functions, and will simplify rational expressions. In addition to algebraic concepts, the course includes the study of two-variable statistical data – including regression and correlation.

Algebra I

(5 periods per week for l year - l Credit)

Algebra I is the first course in a sequence of college preparatory mathematics courses designed to prepare students for college and/or career. The student who successfully completes Algebra I will be eligible to take geometry. The *TI-84 Plus* calculator is required daily for student sucess.

The course is structured around problems and investigations that build conceptual understanding of algebra topics.

This course provides algebraic content using a problem-based approach in a study team environment. Students will be introduced to the meaning of function and its relationship in context. In development of families of functions, students will describe arithmetic and geometric sequences. Emphasis is placed on multiple representations of linear, quadratic and exponential functions (analytic, numerical, graphical, and contextual) and the meaning of a solution. A major focus of the course is the development of multiple strategies to solve problems and understand concepts. Students will symbolically manipulate expressions and solve single equations and inequalities as well as systems of linear and non-linear equations and inequalities. Students will be introduced to absolute value and square root functions, and will simplify rational expressions. In addition to algebraic concepts, the course includes the study of two-variable statistical data – including regression and correlation.

This course is structured around problems and investigations that build the conceptual understanding of these algebraic topics and an awareness of connections between the different topics. Students are encouraged to investigate, communicate their thinking, and generalize their results. During class time, the students will work on challenging problems that introduce new concepts. Then, homework for each lesson will reinforce previously learned skills and concepts while preparing and connecting these to upcoming lessons. In addition, homework problems allow students to apply previously learned concepts and skills in new contexts and deepen their understanding by solving the same type of problem in multiple ways.

Geometry

(5 periods per week for l year - l Credit)
(Prerequisite: Algebra I)

Geometry is the second course in a sequence of college preparatory mathematics courses designed to prepare students for college and/or career. The student who successfully completes Geometry will be eligible to take Algebra II. The *TI-84 Plus* calculator is required daily for student sucess.

Geometry is structured around problems and investigations that build spatial visualization skills, conceptual understanding of geometry topics, and an awareness of connections between different ideas. The concepts of Pattern and Reasoning are developed through a three-step procedure of investigating, conjecturing then proving. Proof is developed by increasing the logical rigor of the mathematics by using flowcharts. The course includes the study of shapes and their connections to the world. Key concepts addressed are: transformations and symmetry, similarity and congruence, properties and measurements of plane figures, three-dimensional shapes, investigation and proof, geometric construction, and algebra and probability. Lessons are structured for students to collaborate actively by working in study teams where they will develop multiple strategies to solve problems and make connections between concepts.

Honors Geometry

(5 periods per week for l year - l Credit)
(Prerequisite: Algebra I and teacher recommendation)

Honors Geometry is an accelerated course designed to challenge and prepare the mathematically talented student for college and/or career readiness in STEM (Science, Technology, Engineering, Mathematics) related fields. The course is one in a sequence of courses designed to prepare students to earn advanced placement credit in mathematics (AP Calculus). The *TI-84 Plus* calculator is required daily for student sucess.

Honors Geometry is structured around problems and investigations that build spatial visualization skills, conceptual understanding of geometry topics, and an awareness of connections between different ideas. The concepts of Pattern and Reasoning are developed through a three-step procedure of investigating, conjecturing then proving. Proof is developed by increasing the logical rigor of the mathematics by using flowcharts and two-column proof. The course includes the study of shapes and their connections to the world. Key concepts addressed are: transformations and symmetry, similarity and congruence, properties and measurements of plane figures, three-dimensional shapes, investigation and proof, geometric construction, and algebra and probability. Lessons are structured for students to collaborate actively by working in study teams where they will develop multiple strategies to solve problems and make connections between concepts.

Algebra II

(5 periods per week for l year - l Credit)
(Prerequisite: Algebra 1 and Geometry and/or teacher recommendation)

Algebra II is the third course in a sequence of college preparatory mathematics courses designed to prepare students for college and/or career. Algebra II is extension of concepts and skills acquired in Algebra I. The student who successfully completes Algebra II will be eligible to take Pre-Calculus and/or advanced placement statistics (AP Stats). The *TI-84 Plus* calculator is required daily for student success.

The course includes a study of multiple representations of functions, their transformations, and their inverses (linear, quadratic, polynomial, exponential, logarithmic, absolute value, simple rational, square root). Furthermore, the course includes a study of generalizing relationships, solving linear or quadratic equations in one variable, some mixed systems in two variables, and systems of linear equations in three variables. It includes a study of order and equivalence properties of algebra to rewrite algebraic expressions and equations, computation of real and complex numbers, compare compound interest situations. The course applies the use of multiple algebraic representations to solve problems presented as real world situations or simulations that require polynomial, exponential, or logarithmic relationships.

This course is structured around problems and investigations that build conceptual understanding of algebraic topics, comfort with using general equations to represent functions and relations as well as with interpreting general equations to describe a situation, and an awareness of connections between different ideas. Students are encouraged to investigate, conjecture, and then justify to develop their reasoning skills. The course also uses a multiple-representations approach to investigating new topics. By using multiple-representations, students develop experience with multiple entry points into a problem and have the chance to apply their knowledge of one representation to build understanding of others. Students focus on identifying the connections and interrelationships among these representations to find new ways of looking at problems.

During class time, the students will work on challenging problems that introduce new concepts. Then, homework for each lesson will reinforce previously learned skills and concepts while preparing and connecting these to upcoming lessons. In addition, homework problems allow students to apply previously learned concepts and skills in new contexts and deepen their understanding by solving the same type of problem in multiple ways.

Honors Algebra II

(5 periods per week for 1 year - 1 Credit)
(Prerequisite: Algebra I, Honors Geometry and teacher recommendation)

Honors Algebra II is an accelerated course designed to challenge and prepare the mathematically talented student for college and/or career readiness in STEM (Science, Technology, Engineering, Mathematics) related fields. The course is one in a sequence of courses designed to prepare students to earn advanced placement credit in mathematics (AP Calculus). Algebra I concepts are expected to be mastered and will be extended in depth. The *TI-84 Plus* calculator is required daily for student sucess.

Honors Algebra II provides algebraic content using a problem-based approach in a study team environment. The course includes a study of multiple representations of functions, their transformations, and their inverses (linear, quadratic, polynomial, exponential, logarithmic, absolute value, sine, cosine, tangent, simple rational, square root). Furthermore, the course includes a study of generalizing relationships, solving linear or quadratic equations in one variable, some mixed systems in two variables, and systems of linear equations in three variables, including 3-D graphing. It includes a study of order and equivalence properties of algebra to rewrite algebraic expressions and equations, computation of real and complex numbers, compare compound interest situations. The course applies the use of multiple algebraic representations to solve problems presented as real world situations or simulations that require polynomial, exponential, logarithmic or trigonometric relationships. The course also connects right triangle definitions of sine, cosine, and tangent to definitions of the trigonometric functions and use the Laws of Sines and Cosines in new contexts. Lastly, the course uses counting methods and probability to solve problems.

This course is structured around problems and investigations that build conceptual understanding of algebraic topics, comfort with using general equations to represent functions and relations as well as with interpreting general equations to describe a situation, and an awareness of connections between different ideas. Students are encouraged to investigate, conjecture, and then justify to develop their reasoning skills. The course also uses a multiple-representations approach to investigating new topics. By using multiple-representations, students develop experience with multiple entry points into a problem and have the chance to apply their knowledge of one representation to build understanding of others. Students focus on identifying the connections and interrelationships among these representations to find new ways of looking at problems.

College Algebra

(5 periods per week for l year - l Credit)
(Prerequisite: Algebra II, teacher recommendation, and approval by Math Department)

This course is for students who have completed Algebra II, but who need additional practice in algebraic concepts to be successful in the regular Pre-Calculus sequence. Course includes: study of functions with transformations, trigonometry, simplifying and solving complex algebraic equations and probability. The *TI-84 Plus* calculator is required daily for student success.

Pre-Calculus

(5 periods per week for l year - l Credit)
(Prerequisites: Algebra II and Geometry)

Pre-Calculus is a course primarily designed for high school upperclassmen continuing their preparation for college and/or career. The course builds on concepts introduced and mastered in Algebra II and is the next course in sequence for mathematics for high school students. In contrast, the course is not designed for students seeking to earn advanced placement credit in mathematics (AP Calculus). Calculator use is emphasized. Graphing calculator (*TI-84 Plus or equivalent*) is required.

Pre-Calculus is structured around investigations and problem solving. Students will explore concepts and develop mathematical relationships through observation, application, and both formal and informal proof. The course encourages students to pose conjectures, justify solutions, and defend their thinking.

Key concepts addressed are: transformations of functions, periodic functions and their graphs, area under a curve as a foundation for integration, inverses, exponentials, and logarithmic equations and applications. In addition, the course addresses limits, properties of functions, including continuity, increasing and decreasing and concavity, and rates of change. Other concepts include: improving algebraic fluency and simplification techniques, and modeling with functions.

Honors Pre-Calculus

(5 periods per week for 1 year - 1 Credit)
(Prerequisite: Honors Geometry and Honors Algebra II and/or teacher recommendation)

Honors Pre-Calculus is a course designed for the mathematically talented student intending to take Advanced Placement Calculus who has demonstrated success in an Algebra II and Geometry course by maintaining an A or B average. This course emphasizes several big ideas that form a foundation for AP Calculus including transformations of functions; periodic functions and their graphs; area under a curve; inverses, exponentials and logarithms; limits including limits at infinity; properties of functions; average and instantaneous rates of change; polar and parametric equations; vectors; trigonometric functions; rules of derivatives and curve analysis; and modeling. This course is structured around investigations and problem solving. Students will explore concepts and develop mathematical relationships through observation, application, and both formal and informal proof. Lessons are designed to facilitate teamwork and encourage students to pose conjectures, justify solutions, and defend their thinking. The *TI-84 Plus* calculator is required daily for student sucess.

Calculus

(5 periods per week for l year - l Credit)
(Prerequisite: Pre-Calculus)

Differential calculus is completed with the transcendental functions. Integral calculus is introduced with areas under the curve, volumes generated by rotating functions, surface area, length of plane curve segments. Algebraic and transcendental functions are graphically depicted and applied. There will be an emphasis on problem solving from a numerical, graphical and algebraic perspective. Graphing calculator (*TI-84 Plus*) is required.

AP Calculus AB

(5 periods per week for l year - l Credit)
(Prerequisites: Honors Pre-Calculus and teacher recommendation only)

AP Calculus AB covers one semester of college calculus in a year of high school. The three main topics: functions, derivatives, and integrals, are all addressed contextually, graphically, numerically, and analytically. Analysis of functions includes limits and continuity. Differential calculus includes techniques of differentiation, numerical approximation, and applications of the derivative. Integral calculus includes numerical approximations, the fundamental theorem of calculus, and applications of integration. Preparation for the Advanced Placement Calculus AB exam is emphasized. Graphing calculator (*TI-84 Plus*) is required. Students are required to take the AP exam in May. Students are required to purchase a workbook.

AP Calculus BC

(5 periods per week for 1 year - 1 Credit)
(Prerequisites: Honors Pre-Calculus and teacher recommendation only)

Differential Calculus is completed including applications. Integral Calculus is introduced with applications. Other topics include differential equations, convergence of sequence and series, power series approximations, and polar graphing. Preparation for the Advanced Placement Calculus BC exam is emphasized. Enrollment to this course is by teacher recommendation only and exceptional success in Pre-Calculus is required. Graphing calculator (*TI-84 Plus*) is required. Students are required to take the AP exam in May. Students are required to purchase a workbook.

AP Statistics

(5 periods per week for l year - 1 Credit)
(Prerequisites: Algebra II and teacher recommendation only)

Advanced Placement Statistics will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to the following four conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. Students who successfully complete the course and the Advanced Placement examination may receive credit and/or advanced placement for a one-semester introductory college statistics course. Graphing calculator (*TI-83 or TI-84 Plus*) is required. Students are required to take the AP exam in May.

Calculus III: A Study in Multivariable Calculus/ Differentiated Equations

(5 periods per week for 1 year - 1 Credit)
(Prerequiste: AP Calculus BC)

Students will investigate multivariable calculus and various differential equations and/or linear algebra topics. The curriculum will help the student transition into math intensive majors in college. High school credit will be given for this course with the option to also earn college credit. Students need to receive at least a 4 on the Advanced Placement Calculus BC exam. Students are required to concurrently carry *at least* one semester study hall.

Introduction to Computer Programming

(5 periods per week for l semester - 1/2 Credit)
(Prerequisite: B or higher in Algebra I or teacher recommendation)

Do you enjoy logic puzzles like Sudoku? Do you wonder how those little applications on your calculator work? Introduction to Computer Programming will introduce students to programming concepts and data structures (like conditions, loops, and methods) using the object-oriented language Java. Students will use these tools to develop their logical-thinking skills while designing small-scale computer programs. Fee: $11

AP Computer Science

(5 periods per week for l year - l Credit)
(Prerequisite: Computer Programming and teacher recommendation)

The major emphasis of the course is on programming methodology, algorithms, and data structures (such as lists, searching, sorting, and recursion) in an object-oriented environment using the Java language. Applications are used to develop student awareness of the need for particular algorithms and data structures, as well as to provide topics for programming assignments in which students can apply their knowledge. Social implications of computing are integrated into the course, and several weeks are devoted to analysis of the AP Board's large scale case study. Preparation for the Advanced Placement Computer Science A exam is emphasized. Students are required to take the AP exam in May. Fee: $11

MUSIC

Courses

All are year courses except History of Jazz and Music Theory which are semester courses. Some are after school and do not receive credit.

History of Jazz
Music Theory
AP Music Theory
Band
Orchestra
A cappella Choir
Men's Chorus
Women's Chorus
Music In Motion

After school (no credit received):
Jazz Ensemble
Pep Band
Comettes
Madrigal Singers
Quartets

AP Music Theory

(5 periods per week for 1 year - 1 Credit)
(Prerequisite: Placement test and teacher recommendation only)

The ultimate goal of AP Music Theory is an integrated approach to aural, sight-singing, written, compositional and analytical skills. To this end, daily exercises will focus on listening, performing, writing, composing and analyzing music.

Speed and fluency with the rudiments and terminology of music is an initial concern. Continuing work on common practice techniques such as part-writing, tonality and harmony, modulation, phrase structure and formal analysis will constitute the balance of the course. Students are required to take the AP exam in May. Workbook fee.

Music Theory

(5 periods per week for l semester - 1/2 Credit)

Music Theory is open to sophomores, juniors and seniors with permission of the instructor. Previous knowledge of music theory is not required but would be helpful. The course objective is to help each student attain college entry level skills in the areas of general theory, sight-reading, sight-singing, composition and arranging. Students will be able to use and develop their new skills in their own area of interest, whether it be in original composition, arranging music for vocal or instrumental groups, improving performance abilities or merely supplying a harmonic background while at the piano or guitar. Workbook fee.

History of Jazz

(5 periods per week for 1 semester - 1/2 Credit)

History of Jazz is open to all students, regardless of musical ability or achievement. No previous musical experience is required. The class is designed as a music appreciation/music history type experience with an emphasis on developing listening skills.

INSTRUMENTAL MUSIC

Band (Marching and Concert)
(5 periods per week for l year - 1 Credit)

The band is open to all students who play an appropriate instrument. The band performs at all football games, home and away, band festivals and parades. Band practice begins in late July. Attendance is required. When school begins, the band meets one period each day and Wednesday evenings from 6:30 until 8:30 p.m. At the conclusion of football season, the band rehearses one period each day. Performances include concerts and contests. Members of the band must play in both marching band and concert band.

Jazz Ensemble
(No credit - open to audition only)

The jazz ensemble plays a variety of jazz styles and performs at concerts, festivals and various functions. Positions will be filled by band members first, then by non-band members as instrumentation dictates. Rehearsals are held outside the regular school day.

Pep Band
(No credit - open by invitation only)

The pep band plays at all home basketball games and performs at selected functions.

Orchestra
(5 periods per week for l year - 1 Credit)

The orchestra is open to students who play appropriate instruments. The group meets one period each day throughout the year and performs at concerts, contests and selected functions.

CHORAL MUSIC

A cappella Choir
(5 periods per week for 1 year - 1 Credit)
(Open by audition only)

A cappella Choir is open to all 10th grade through 12th grade students by basic audition. The objective of this group is to develop solid vocal technique, basic musicianship skills, and to provide students with an appreciation for the art of vocal music. The choir performs music from all periods with special emphasis being placed on intermediate classical literature. Membership is by audition in February.

Men's Chorus
(5 periods per week for 1 year - 1 Credit)
(Non-auditioned choir)

Men's Chorus is open to any male student in grades 9-12. The objective of this group is to develop solid vocal technique, basic musicianship skills, and to provide students with an enjoyable social opportunity in the performance of vocal music.

Women's Chorus
(5 periods per week for 1 year - 1 Credit)
(Non-auditioned choir)

Women's Chorus is open to any female student in grades 9-12. The objective of this group is to develop solid vocal technique, basic musicianship skills, and to provide students with an enjoyable social opportunity in the performance of vocal music.

Music In Motion
(5 periods per week for 1 year - 1 Credit)
(Open by audition only)

Music In Motion is a highly select choir whose members are chosen on the basis of musicianship, vocal quality, dance skills, and a desire to achieve high performance standards. Music In Motion is open to female students in grades 10-12, and male students in grades 9-12. The choir performs music from all periods with special emphasis being placed on the more difficult classical literature and highly customized show choir music. They perform at all school concerts as well as festivals, contests, and other special events. Membership is by audition in February.

Comettes
(No credit - open by audition only)

Comettes is a select ensemble for musically advanced females from all grades that performs all styles of music. They are available for performance in the community when music is requested. Membership is by audition in the fall.

Madrigal Singers
(No credit - open by audition only)

Madrigal Singers is a mixed ensemble of 16 full members and 8 alternate members who perform a variety of music for small chamber groups. Emphasis is placed upon individual musicianship. Membership by audition in the fall.

Quartets
(No credit - open by audition only)

Quartets are featured as in-between acts at each of the high school choir concerts. Rehearsals take place on Mondays after school. Membership is open to students in grades 10-12 who are enrolled in a choir that meets during the school day. Auditions take place in June.

SCIENCE

Courses

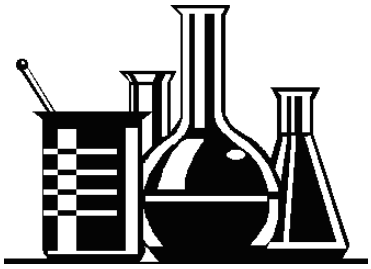
All are year courses.

Physical Science
General Biology
Honors Biology
Anatomy & Physiology
AP Biology
General Chemistry
Honors Chemistry
AP Chemistry
General Physics
AP Physics 1
AP Physics 2
Environmental Science
AP Environmental Science

Physical Science

(5 periods per week for 1 year - 1 Credit)

Physical Science provides a high school science foundation for all students by providing a common core of high school level experiences in earth, physical and chemical science. This course serves as a gateway to the more specialized science courses. Topics included are: measurement, methodology, lab skills, chemistry, physics and earth science. **Physical Science is a prerequisite for all other science courses.** Fee: $16



General Biology

(5 periods per week for l year - l Credit)
(Prerequisite: students who have successfully completed Physical Science)

This course is designed to give students an overview of biological concepts. Students will explore topics such as biochemistry, cell structure and function, photosynthesis, respiration, protein synthesis, cellular reproduction, genetics, social issues, evolution and ecology. Relationships of living things are presented through laboratory activities, simulations and classroom discussions. Fee: $16

Honors Biology

(5 periods per week for l year - 1 Credit)
(Prerequisite: Physical Science or its equivalent)

This course is designed to develop an understanding of the nature of life by concentrating on cellular structure and function, cellular reproduction, heredity, natural selection, species diversity, ecology, conservation, and social issues. Additionally, the students will be exposed to biochemistry, photosynthesis, respiration, protein synthesis and recombinant genetics. A laboratory approach will be used that develops a scientific approach to problem solving with emphasis on microscopy and structural relationships based on evolutionary trends. This course is recommended for those students planning to incorporate AP Biology into their schedule and/or those students who plan to pursue science-related careers at the college level. Fee: $16

Anatomy & Physiology

(5 periods per week for 1 year – 1 Credit)
(Pre-requisites: achieved a C or better in Biology and Chemistry; can be taken concurrently with Chemistry and approval of biology teacher)

This course presents a systemic approach to the study of the human body. Course topics begin with an introduction of anatomical terminology and an overview of cellular processes and tissue classification. Students then are introduced to the gross and microscopic anatomy of the following systems: integumentary, skeletal, muscular, nervous, circulatory, respiratory, digestive, urinary and reproductive. The laboratory component of the course generally parallels and reinforces lecture concepts through the use of models, histological slides, skeletal materials, as well as cadaver demonstration.

Students will learn the names and functions of anatomical structures; learn anatomical structures and concepts that will help them succeed in their future college program; understand the "big picture" of how anatomical systems work together; and understand and apply the clinical relevance of anatomical structures. Fee: $52

AP Biology

(5 periods per week for l year - 1 Credit)
(Prerequisites: Honors Biology)

AP Biology is designed to meet the objectives of a general biology course at the college level. The course includes cellular, organismal and populational approaches with stress given to unifying these areas from a chemical and evolutionary viewpoint. There is equal emphasis given to botany and zoology. Evaluation of enrolled students is based on expressing ideas orally, objectively and in essay form. Sophomores, juniors and seniors of special ability may enroll with recommendation of teacher, parent and counselor. Students are required to take the AP exam in May. Fee: $26

General Chemistry

(5 periods per week for 1 year - 1 Credit)
(Prerequisites: Algebra I and Physical Science or its equivalent)

This course is a study of the physical world, its structure and its changes. It is a laboratory course with an emphasis on the discovery and application of chemical principles in everyday activities. This course will expose students to the chemistry taking place all around them. It will also consider environmental concerns that are raised by the use and abuse of chemistry. This course is a college prep course intended for students who do not intend to pursue science-related careers. Fee: $16

Honors Chemistry

(5 periods per week for l year - l Credit)
(Prerequisites: Algebra I and Physical-Science or its equivalent)

Chemistry deals with all of the substances that make up our environment. It also deals with the changes that take place in these substances. This course is similar to general chemistry with more emphasis on individual initiative and mathematical problem solving skills at the algebra level. This course emphasizes learning of chemical principles and their application to appropriate problems. The students will learn to develop models that account for the behavior of the substances under study. Most of the problem solving and modeling will occur in a laboratory setting. Honors Chemistry will provide a solid base in chemistry and chemical principles to all students who intend to pursue advanced placement chemistry and/or science-related fields in college or professional schools. This course is intended for future science majors, pre-medical students, nurses, dental, veterinary and engineering students. Fee: $16

AP Chemistry

(5 periods per week for l year - l Credit)
(Prerequisites: Physical Science or its equivalent, Honors Chemistry and Algebra II; Pre-Calculus or a higher level math course taken concurrently)

This is a second year chemistry course for gifted and motivated students who intend to pursue a career in science. The structure, properties and behavior of matter are examined theoretically and in the laboratory. College level texts and labs are used. A major goal is to develop applied mathematics through the study of "real world" chemical problems via daily homework and tests. The course will pose intellectual and laboratory challenges to all students and will satisfy the requirements for a first year college lecture course in General Chemistry. Students are required to take the AP exam in May. Fee: $26

General Physics

(5 periods per week for l year - l Credit)
(Prerequisites: Algebra II taken concurrently or completed)

This is an introductory course designed to give the non-science major some understanding of what physics is all about. Students will study and analyze a variety of motions observed in everyday life and the laws governing them. Other topics will include electricity, magnetism, batteries, and some modern physics. Many "hands on" activities are included. In addition, students will learn how to integrate the computer (primarily EXCEL) with course work to help analyze data and develop logical scientific conclusions. A must for any college bound student. Fee: $16

AP Physics 1

(5 periods per week for l year - l Credit)
(Prerequisite: Pre-Calculus taken concurrently or completed and teacher recommendation)

This is a first year physics course leading to the completion of AP Physics l exam. College level text and labs are used. An in-depth study of physical phenomena promoting a deep understanding of physics principles covering the following major areas: motion, force, gravity, energy, momentum, waves and circuits. Students will gain experience and knowledge through experiments, demonstration, discussions and reading. Students are required to take the AP exam in May. Fee: $26

AP Physics 2

(5 periods per week for 1 year - 1 Credit)
(Prerequisites: AP Physics 1 and Pre-Calculus taken concurrently or completed and teacher recommendation)

This is a second year physics course leading to the completion of AP Physics 2 exam. College level text and labs are used. An in-depth study of physical phenomena promoting a deep understanding of physics principles covering the following major areas: fluids, thermodynamics, electricity, magnetism, optics and modern physics. Students will gain experience and knowledge through experiments, demonstration, discussions and reading. Students are required to take the AP exam in May. Fee: $26

Environmental Science

(5 periods per week for 1 year - 1 Credit)
(Prerequisite: Physical Science or its equivalent)

Environmental Science is designed to introduce students to major ecological concepts and the environmental problems that affect the real world in which they live. Students will learn about the developments in technology and evaluate them for their environmental and social effects. Topics include human population dynamics, land use, ecological interactions, natural resources, air, water and soil qualities, energy sources, and local and global environmental changes. Students will perform classroom, laboratory and field investigations. This course is designed for students considering careers in urban development or management, ecology, natural resources, agriculture, wildlife management and conservation related fields. Fee: $26

AP Environmental Science

(5 periods per week for 1 year - 1 Credit)
(Prerequisites: students who have achieved an A or B in Honors Biology or Honors Chemistry and successfully completed one year of algebra)

AP Environmental Science is a course to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students are required to take the AP exam in May. Fee: $26

SOCIAL STUDIES

Courses

All are year courses except U.S. Government, Economics, Contemporary Issues of the American Family, Psychology, and Sociology which are semester courses.

World History
AP World History
U.S. History
Honors U.S. History
AP U.S. History
U.S. Government
AP U.S. Government
Economics
AP Economics
Contemporary Issues of the American Family
Psychology
AP Psychology
Sociology
AP European History
AP Comparative Government & Politics

World History
(5 periods per week for l year - 1 Credit)

This survey course provides a traditional study of significant events from the Enlightenment Period (1750) through present day. As the ninth grade social studies required course of study, this course will utilize the Ohio Department of Education strands to guide instruction with special emphasis on developments in the 20th Century world.

AP World History
(5 periods per week for 1 year - 1 Credit)
(Prerequisite: Teacher Recommendation and enrollment in Honors English)

Covering a time period from the beginning of recorded history through the present, the AP World History curriculum covers an immense period of time. This stretch of time is broken into six basic time periods and is covered with the application of five basic themes and 19 key concepts as opposed to a chronological survey of events.

This is an extremely demanding course for a select group of students seeking to deepen their knowledge of history through a look at Africa, the Americas, Asia, Europe and Oceania. The course requires exceptional reading and writing skills. Students will focus on historical thinking and analysis of historical sources. In addition to historical analysis, there will be a focus on effective writing in the AP style in preparation for the required AP World History test given in May.

U.S. History
(5 periods per week for l year - l Credit)
(Prerequisite: World History)

This course provides a survey of the development of the U.S. from 1870 to the present.

Honors U.S. History
(5 periods per week for l year - l Credit)
(Prerequisite: World History and teacher recommendation)

Recommend above average achievement and interest in social studies. Approval is needed by the department and guidance offices. This course covers the time frame from 1870-present. This is a specifically designed course for the student seeking an in-depth study of American History. Numerous outside readings are required, as well as extensive writing assignments.

AP U.S. History
(5 periods per week for l year - l Credit)
(Prerequisite: World History)
(Recommended concurrent enrollment in Honors English and teacher recommendation.)

This is a demanding course with selective enrollment, providing an in-depth chronological view of the American experience to the present. Topics listed under U.S. History description are applicable but emphasis is on writing and on reading a variety of primary and secondary sources. The AP Examination is taken in May and earning a certain score may result in the awarding of college credit and/or placement. Students are required to take the AP exam in May.

U.S. Government

(5 periods per week for l semester - 1/2 Credit)
(Prerequisite: U.S. History)

This course is an overview of the U.S. political system including political ideology, the U.S. Constitution and events leading to its adoption, the legislative, executive, and judicial branches, civil liberties, voting behavior and elections, taxes, and other political and economic systems.

AP U.S. Government

(5 periods per week for 1 year - 1 Credit)
(Prerequisite: Strongly Recommended An A or B in AP U.S. History or an A or B in AP European History)

An extremely demanding course for a select group of students seeking an in-depth view of the American political system. Topics to be covered are detailed study of the three branches of government as laid out in the Constitution, as well as political parties, interest groups, civil rights, civil liberties, voter participation and behavior, public policies, and government bureaucracy. The course demands exceptional reading and writing skills as well as an above average achievement in previous advanced placement courses such as AP U.S History and/or AP European History. It is imperative that the student is highly motivated and willing to put forth the time and effort required for a course of this intensity. Students should expect nightly reading assignments, frequent essays, and complex, comprehensive-based evaluations. The teaching methodology is primarily lecture/discussion with the occasional opportunities for group exercise and simulations. Students must be willing to participate in active class dialogue and debate. Students are required to take the AP Government exam in May.

AP Economics

(5 periods per week for 1 year - 1 Credit)
(Prerequisites include above average achievement in other social studies classes, high interest in economic concepts, and recommendation by a social studies teacher.)

This course is a full year concentrated study of the principles of Economics as they apply to both consumers and businesses within the larger economic system. During the first half of the course, areas of concentration will include the roles of consumers and businesses in our economy, the different types of markets that businesses compete in, and the roles of the government in our economy. In the second half of the course, the concentration will be on the national economy, fiscal (government) policy and its effects, monetary (banks) policies and their effects, and international trade.

Students in this class will prepare to take both the Micro and the Macroeconomics AP test in May, which may earn them college credit or advanced placement in college. A high level of proficiency in math is not required. Students are required to take the AP exam in May. This course fulfills the financial literacy state requirement. Workbook fee required.

Economics

(5 periods per week for 1 semester - 1/2 Credit)

A one semester course which aims to introduce the economic concepts that apply to both consumers and producers in the larger economic system. Major areas covered include the evolution of economic systems, different types of business competition, money and the banking industry, international trade, the stock and securities markets, roles of the government in our economy, as well as other basic economics principles and institutions. High levels of math proficiency are not required. This course fulfills the financial literacy requirement.

Contemporary Issues of the American Family

(5 periods per week for l semester - 1/2 Credit)

This course is designed to examine the foundations of personal development (i.e. personality development, self-esteem, and characteristics of strong relationships). Additionally, issues such as marriage, parenting styles, and dating will be discussed on how they affect the American family. Lastly, students will explore how cultural differences both influence the family as a social unit and the student's inter-personal relationships.

Psychology

(5 periods per week for l semester - 1/2 Credit)

This course is an introduction to the study of human behavior. Topics addressed include but are not limited to: memory, motivation, sleep and dreams, learning theory and behavior modification, perception, personality, abnormal behavior, intelligence and personality testing, stress and the life cycle.

Sociology

(5 periods per week for l semester - 1/2 Credit)

The study of the fundamental principles of human social behavior with a focus on individual and group behavior, the effects of heredity and environment on human behavior, normal and deviant behaviors, adolescence, educational systems, inter-national cultural differences and similarities, role relationships and conflicts, and the future of society are considered in this course.

AP Psychology

(5 periods per week for 1 year - 1 Credit) (Prerequisites include above average achievement in other social studies classes and a recommendation by a social studies teacher.)

This course is a full year concentrated study of the field of Psychology. This is an extremely demanding course for students interested in the systematic and scientific study of the behavior and mental process of human beings and other animals. Students will study the history and approaches to psychology including the theoretical approaches in explaining behavior, the domains of psychology, and the major historical figures and theories. Areas of concentration will also include research methods, the biological basis for psychology, sensation and perception, states of consciousness, learning, cognition, motivation, developmental psychology, personality, abnormal behavior and social psychology. Students will also learn about the ethics and methods psychologists use in their science and practice.

Students must have a strong interest in the field of psychology, and excellent critical thinking and study skills. Students are required to take the AP Psychology exam in May.

AP European History

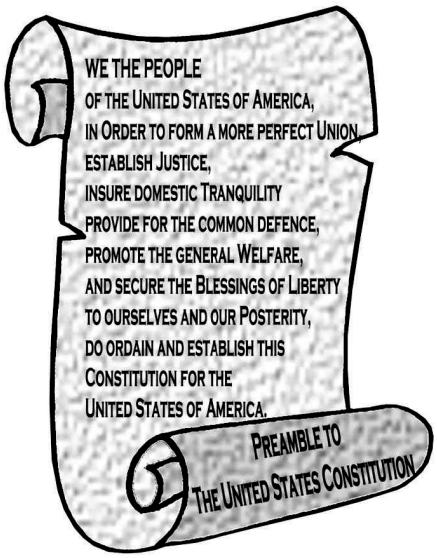
(5 periods per week for l year - 1 Credit) (Prerequisite: students must have successfully completed U.S. History and World History and teacher recommendation.)

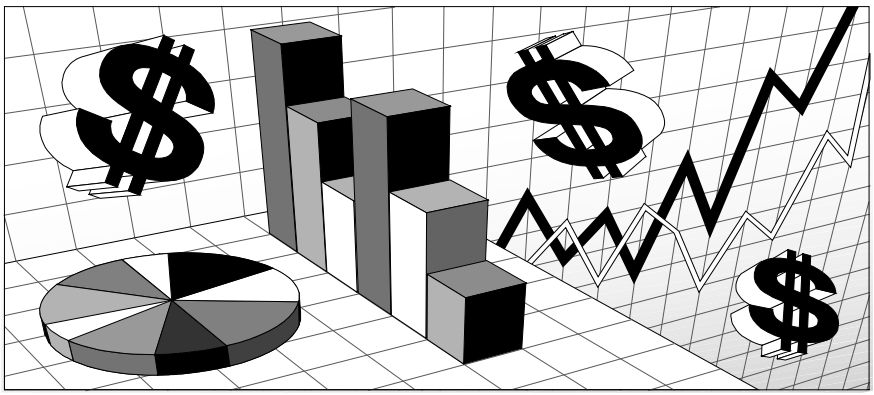
AP European History is a course that is designed for students to gain knowledge of basic chronology and of major events and trends from approximately 1450 to present. The students would develop an understanding of some of the principal themes in modern European history, an ability to analyze historical evidence, and an ability to analyze and express historical understanding in writing. Students are required to take the AP exam in May.

AP Comparative Government & Politics

(5 periods per week for 1 year - 1 Credit) (Prerequisites: successful completion of AP or CP Government is strongly recommended)

Through this course, students will have the opportunity to pursue their interest in government and political affairs beyond the United States. The course covers both an introduction to comparative politics concepts and the application of these concepts to substantive content about six countries. Content includes facts about the six countries that form the core of the course – Britain, China, Iran, Mexico, Nigeria, and Russia – combined with conceptual analysis that introduces different ways of organizing politics and their outcomes. Comparative politics enables students to learn about quite diverse political institutions and processes in cultures and societies which are less familiar. It teaches the tools that citizens, as well as students, need to make sense of an increasingly complex and differentiated global environment. This is an excellent course for students who want to pursue degrees in international affairs, international business, international law and public service. Students are required to take the AP exam in May.





TECHNOLOGY & ENGINEERING

Courses

All courses are semester courses.

Engineering Applications
Graphic Arts
AutoCAD I (Computer Aided Drafting)
AutoCAD II
Production Technology
Woods & Home Construction Technology

Engineering Applications
(5 periods per week for 1 semester - 1/2 Credit)

Students will explore the wide range of engineering professions and their content. Class work will include basic examples of engineering problems and hands on application of concepts. Students will solve problems involving electronics, energy & power, aerospace, mechanical and civil engineering. Prerequisites or Concurrent: Pre-Calculus and Physics. Fee: $26

Graphic Arts
(5 periods per week for l semester - 1/2 Credit)

An introduction to graphic arts and its related fields. Activities include view camera work, special film developing techniques for silk screening, beginning air brushing and silk screening techniques. Student projects can include printing on t-shirts, glass, mirror, and all paper and poster products. Fee: $32

AutoCAD I (Computer Aided Drafting)
(5 periods per week for l semester - 1/2 Credit)

The purpose of this course is to provide an entry level knowledge-based and skill-based context for using AutoCAD software. The student will do assignments and projects to learn the AUTOCAD 2011 commands. Fee: $16

AutoCAD II
(5 periods per week for 1 semester - 1/2 Credit)

Students will extend their knowledge of Computer Aided Drawing to include 3D solid modeling and graphic renderings of designs. Students will design Model Homes, products, mechanical processes and will learn the concepts of rapid prototyping. Engineering concepts and drawing methods will be stressed. Fee: $16

Production Technology
(5 periods per week for 1 semester - 1/2 Credit)

This course will expose students to a wide range of entertainment related technologies and concepts. Students will examine theatrical, television, film, concert and sporting events from a production point of view. Emphasis will be placed on the design aspects of these events and students will complete a project in one of these venues that encompasses sound, lighting, scenic, special effects, and costume design while considering the constraints of a budget.

Woods & Home Construction Technology
(5 periods per week for 1 semester - 1/2 Credit)

This course has two distinct sections. First, students will learn basic home construction, maintenance and repair. Projects will include drywall repair, basic electricity, plumbing, siding and roofing. During the second quarter, the focus will shift when students will learn the basics fo fine wood-working and will gain an appreciation for finished wood. Safety, tool use and project planning will be stressed throughout the course. Fee: $26

TECHNICAL EDUCATION

Technical Programs

11th & 12th Grades

Auto Mechanics*	**Brush High School**
Business Academy*	**Mayfield High School**
Computer-Aided Design/Drafting Engineering Technology*	**Lakeland Community College**
Construction Trades	**Mayfield High School**
Cosmetology	**Mayfield High School**
Culinary Arts*	**Beachwood High School**
Digital Arts and Technology*	**Aurora High School**
Early Childhood Education*	**Fairmount School - Beachwood**
Environmental Education Programs	
Floriculture & Gardening Operations*	**Gates Mills Environmenta Education Center**
Landscape & Turf Operations*	**Gates Mills Environmental Education Center**
Cleveland Botanical Garden*	**Cleveland Botanical Gardens**
Information Technology & Programming*	**Mayfield High School**
Interactive Media*	**Mayfield High School**
Medical Technologies*	**Mayfield High School or Ursuline College**
Performing Arts Academy*	**Chagrin Falls High School**
Public Safety Academy	
Fire/EMT*	**Tri-C Campus**
Visual Art & Design*	**Orange High School**

12th Grade Only

Marketing*	**Beachwood High School**

*** denotes College Tech Prep Program**

Note: Fees are charged for these courses. Official information regarding fees will be provided upon application to the program. Speak to your guidance counselor for specific details about the program. Details can also be found at www.mayfieldschools.org.

Courses listed in this section have various requirements of students concerning grade point average, passage of the proficiency test, earned credits and attendance. In addition, the selection process is based on the student's application and/or interview. In the winter, guidance counselors meet with the sophomore class to give further information on the Technical Education Program. Information will be supplied regarding course fees at time of application.

Some courses listed in this section are in the College Tech Prep Program. These courses are indicated by a double asterisk and are designed with the intention that the student will continue the program in a two or four year college. Some courses are indicated with a single asterisk. These courses are part of the College Tech Prep Option Program. College Tech Prep programs are high school to college programs with the first two years completed on the high school level and the remaining two years completed at a College Tech Prep affiliated institution. College Tech Prep students may continue on at any college or university to which they are accepted – they are not required to continue at a College Tech Prep institution, but many benefits are available to those who do, including scholarship opportunities and internship opportunities.

WORLD LANGUAGES

Courses
All are year courses.

American Sign Language I
American Sign Language II
American Sign Language III
Chinese I
Chinese II
Chinese III
Chinese IV
AP Chinese
French I
French II
French III
French IV
AP French
Spanish I
Spanish II
Spanish III
Spanish IV
AP Spanish

Students are required to purchase workbooks based on course selection.

Courses to be taken in sequence unless permission is granted by teacher, department head and guidance counselor.

American Sign Language I
(5 periods per week for 1 year - 1 Credit)

Introductory American Sign Language class in which students will develop vocabulary and grammatical skills in the context of purposeful real-life communicative interactions. Students will become proficient in such everyday tasks as introducing themselves or a friend, telling about their activities, asking questions and exchanging information, and describing people, places and things. Through reading, discussion, Internet exploration, and video clips, students will develop an understanding of cultural differences.

American Sign Language II
(5 periods per week for 1 year - 1 Credit)

Intermediate level class in which students will expand vocabulary, grammar and the contexts in which they can interact in culturally appropriate ways. Students will accomplish more abstract communicative tasks such as comparing, evaluating, giving and supporting an opinion or hypothesizing. New language functions will be introduced and practiced within the context of real-life situations. Authentic materials, video clips, reading and discussion will continue to broaden awareness of and respect for differences and similarities between cultures.

American Sign Language III
(5 periods per week for 1 year - 1 Credit)

ASL III is an advanced level course in which students will expand their ability to communicate in a variety of settings about an increasing number of topics. Communicative functions will continue to be practiced in meaningful real-life contexts as students acquire greater breadth & depth of vocabulary & grammar. Study of Deaf literature will help students develop a greater appreciation of similarities and differences between Deaf & hearing cultures. It will also expand their understanding of such advanced grammatical features as the use of classifiers, spatial visualization, role play and eye gaze in storytelling & everyday conversation.

Chinese I
(5 periods per week for 1 year - 1 Credit)

Chinese I is an introduction course to the Chinese language and culture. It is designed to give students the basic foundation of the four language skills: speaking, listening, reading and writing. Students will develop communicative skills in variety of daily settings. Students will be introduced to Chinese customs, holidays and history through different thematic units. Pīnyīn and simplified characters are used in this course. Students are required to purchase one workbook.

Chinese II
(5 periods per week for 1 year - 1 Credit)

Chinese II is an extension of Chinese I. Students will continue to build communicative skills, vocabulary, knowledge of Chinese writing systems and grammatical patterns while studying thematic units. Topics such as sports, food, birthdays, daily routine, home, clothes, shopping and eating are covered. Writing skills will also be enhanced. The study of Chinese customs, holidays and history is also included while learning thematic units. Pīnyīn and simplified characters are used in this course. Students are required to purchase one workbook.

Chinese III
(5 periods per week for 1 year - 1 Credit)

Students of Chinese III will continue to develop language skills in all four areas of communication: listening, speaking, reading and writing. Students will be involved in more complicated communicative exchanges related to daily-life activities. Skills will be developed through cultural themes. Students will read dialogues, simple stories, riddles and narratives. The study of Chinese customs,

cultural practices and perspectives and history is also included. Pīnyīn and simplified characters are used in this course. Students are required to purchase one workbook.

Chinese IV

(5 periods per week for 1 year - 1 Credit)

This course serves as a transitional course between Chinese III and Advancd Placement Chinese Language and Culture. Chinese is used almost exclusively to carry out daily activities and discussions. Students will use the language to explore various topics and contemporary issues. Skills will be developed through cultural themes. Students continue to improve their skills in listening and reading comprehension as well as speaking and writing proficiency. The study of Chinese customs, cultural products, practices and perspectives and history is also included while studying different thematic units. Pīnyīn and simplified characters are used in this course. Students are required to purchase one workbook.

AP Chinese Language and Culture

(5 periods per week for 1 year - 1 Credit)

The AP Chinese Language and Culture course is designed to be comparable to the fourth semester or the equivalent of college course in Mandarin Chinese and is offered to students who have successfully completed Chinese IV. This course prepares students to demonstrate their level of Chinese proficiency across the three communicative modes (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities) as outlined in the Standards for Foreign Language Learning in the 21st Century. Its aim is to provide students with opportunities to further develop their proficiencies across the full range of language skills (listening, speaking, reading, writing, and typing) within a cultural frame of reference reflective of the richness of Chinese language and culture. Students will learn strategies to analyze authentic content, both written and oral. This course engages students in various topics reflecting multiple aspects of contemporary and historical Chinese society and culture. In the classes, students are immersed in a Chinese setting and are required to exclusively speak Chinese with the instructor and classmates.

French I

(5 periods per week for 1 year - 1 Credit)

French I students begin to learn to communicate in French with an emphasis on understanding the conversation of French adolescents and on exchanging information in a variety of daily settings. Oral skills are supplemented by written skills and strategies for reading. Students are also introduced to the contemporary cultures of the diverse French-speaking world. Technology resources extend and enhance learning. Students are required to purchase two workbooks.

French II

(5 periods per week for l year - l Credit)

This course begins with a review of the basic communicative patterns from level one. Students subsequently practice more challenging communicative skills with a focus on narrating past and future events and on describing daily activities in greater detail. Students engage in longer impromptu communicative exchanges and read a wider variety of texts and stories. The cultural focus continues to center on the richness of the French-speaking world and includes special projects dealing with geography, foods, music, and art. Technology resources extend and enhance learning. Students are required to purchase two workbooks.

French III

(5 periods per week for l year - 1 Credit)

The French III course consists of a review of core material from the preceding level followed by a series of practical language-use units involving daily-life activities, travel-related functions and contemporary issues. Skills will be developed through a variety of cultural themes and activities. Students will be able to carry out extended conversations and creative writing using a variety of tenses. They will develop stronger reading skills as they study excerpts from famous French literature. Technology resources extend and enhance learning. Students are required to purchase two workbooks.

French IV

(5 periods per week for l year - 1 Credit)

French IV serves as a transitional course between French III and Advanced Placement French Language and Culture. The more complex structures that were introduced in French III are reviewed and refined as students carry out skill-building activities in the three modes of communication (Interpretive, Interpersonal, and Presentational). Areas of investigation include housing and shelter, nutrition, education and professions, diversity issues and immigration, health issues, leisure, travel, new media, the social impact of technology, and visual arts. Students are required to purchase one workbook and a novel.

AP French

(5 periods per week for l year - 1 Credit)

The AP French class is offered to students who have successfully completed French IV and who wish to pursue college-level studies in French in preparation for the Advanced Placement French Language and Culture exam and for advanced language study. The AP French Language and Culture course continues to engage students in an exploration of cultural products, practices and perspectives of the French-speaking world based on six broad themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. Areas of investigation may include but are not limited to: environmental issues, discoveries and inventions, education, professions, alienation and assimilation, family structures, and ideals of beauty. Course work provides students with opportunities to demonstrate their proficiency in the three modes of communication: Interpretive, Interpersonal, and Presentational. Students are required to purchase one workbook.

Spanish I
(5 periods per week for l year - l Credit)

The Spanish I course is an introduction to the Spanish language and culture. It is designed to give students the basic foundation of the four language skills: listening, reading, writing and speaking. The students develop a fundamental vocabulary base as well as the building blocks of basic grammar concepts in order to communicate in a variety of settings. The vocabulary and grammar concepts will be taught through a variety of cultural themes. Students are required to purchase one workbook.

Spanish II
(5 periods per week for l year - l Credit)

Students of Spanish II will continue to develop language skills in all four areas of communication: listening, reading, writing and speaking. These skills will be developed through a variety of cultural themes. Also, a variety of instructional techniques will be used in order to provide students with many opportunities to learn and practice the language. Students will be expected to participate daily because Spanish II is a class that requires students to listen closely to understand spoken Spanish, to thoughtfully process new information, to practice, to ask questions, and to study on their own outside of class. By the end of level II, students will be able to communicate in Spanish about many different topics. Students are required to purchase one workbook.

Spanish III
(5 periods per week for l year - l Credit)

This course is considered to be an upper level course. Spanish is used almost exclusively in the class. It contains a review of grammar, vocabulary and expressions from levels I and II with the addition of more advanced concepts. Grammar and vocabulary will be taught through the incorporation of cultural themes. Students will continue to develop the four main language skills of speaking, reading, writing and listening. A variety of activities and assignments will further develop these skills. Students are required to purchase one workbook.

Spanish IV
(5 periods per week for l year - l Credit)

Spanish IV serves as a transition between Spanish III and A.P. Spanish. This course includes a thorough review of core material from the preceding levels in addition to the study of advanced grammatical concepts and literature. Students continue to improve their listening and reading comprehension skills through a variety of activities as well as speaking and writing proficiency.

Reading materials include short stories and legends, excerpts from novels, and a short novel. Spanish is used almost exclusively to carry out daily activities and discussions. Students will use the language to begin an in-depth exploration of cultural themes through authentic materials and resources. The themes include: global challenges, science and technology, contemporary life, personal and public identities, families and communities, and beauty and aesthetics. When available students will have the opportunity to view a cultural performance, such as a concert or musical, related to the themes. Students will carry out a community service activity to meet state standards. Two workbooks (used for Spanish IV and A.P.) and a novel are required to purchase for this class.

AP Spanish
(5 periods per week for 1 year - 1 Credit)

Students in this college-level course have completed Spanish IV and wish to acquire the proficiency necessary to understand native speakers at a natural pace in formal and informal contexts. Cultural study will be based on six broad themes: Global Challenges, Science and Technology, Contemporary Life, Public and Personal Identities, Families and Communities, Beauty and Aesthetics. The course is designed to develop an adequate vocabulary for more thorough understanding of current events articles, literature and other non-technical writings. Students are required to exclusively speak the language with the instructor and classmates. Students work to express themselves by narration, description, inquiry and persuasion, orally and in writing. Special emphasis is placed on the use of authentic source materials and the integration of listening, reading, speaking and writing skills in order to demonstrate understanding. Students are required to purchase a short novel.

COURSE PLANNER

Please refer to the graduation and diploma requirements listed on pages 3-6. Physical Education, Health, and Economics (1 semester) graduation requirements can be taken during any high school year.

NINTH GRADE

Periods		Course Title	Sem.	Credit
1		English 9		1
2		Science		1
3				
4A/B				
4C		Lunch		
5A/B				
6		Mathematics		1
7		World History		1
			Total Credits	

TENTH GRADE

Periods		Course Title	Sem.	Credit
1		English 10		1
2		U.S. History		1
3				
4A/B				
4C		Lunch		
5A/B				
6		Mathematics		1
7		Science		1
			Total Credits	

COURSE PLANNER

Please refer to the graduation and diploma requirements listed on pages 3-6. Physical Education, Health, and Economics (1 semester) graduation requirements can be taken during any high school year.

ELEVENTH GRADE

Periods		Course Title	Sem.	Credit
1	_____	English 11	_____	1
2	_____	U.S. Government (College Prep or AP)	_____	1/2-1
3	_____	Science	_____	1
4A/B	_____	_____	_____	_____
4C	_____	Lunch	_____	_____
5A/B	_____	_____	_____	_____
6	_____	Mathematics	_____	1
7	_____	_____	_____	_____
			Total Credits	_____

TWELFTH GRADE

1	_____	English 12	_____	1
2	_____	U.S. Government (College Prep or AP)	_____	1/2-1
3	_____	_____	_____	_____
4A/B	_____	_____	_____	_____
4C	_____	Lunch	_____	_____
5A/B	_____	_____	_____	_____
6	_____	Mathematics*	_____	1
7	_____	_____	_____	_____
			Total Credits	_____

* For students graduating after 2013.