

# **Course Selection Booklet 2012-2013 Moshannon Valley School District**

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[www.movalley.org](http://www.movalley.org)**



**Board Approved**  
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Dear Parent/Guardian:

The scheduling process is an important step in meeting your student's needs. It is necessary for you to become involved in the process. Please sit down with your student and look at the curriculum and course offerings and make scheduling decisions based on what your student needs for the future.

**Timelines are extremely important in scheduling.** In order to efficiently schedule all students in the Moshannon Valley Junior-Senior High School, the following procedures have been developed and will be closely followed.

### **Scheduling Timelines and Procedures**

- Students will receive scheduling materials and instruction in the classroom setting.
- Students will be given a deadline for returning scheduling materials. If materials are not received by the deadline, the counselor will choose the students' schedule for the following year.
- Any schedule changes or requests for changes must be made by contacting the school **no later than the end of the second week of the 2012-13 school year**. For schedule changes after the second week of school, an on-site conference with the principal, guidance counselor, the parent(s) and the affected teachers will be required. **NO required course will be dropped after the 1<sup>st</sup> two weeks of school for any reason.** Failing grades, not "liking a class" or a teacher, or failing to achieve honor roll will **not** be considered as valid reasons for dropping a course.

If a student fails a course, it will be rescheduled for the next school year. Students making up classes through summer school or correspondence courses will have their schedules adjusted **ONLY** after the passing grade is received by the Moshannon Valley School District.

Again, we emphasize the importance of the initial scheduling process at home. Please discuss future plans with your student and schedule according to his/her future needs. This should be done considering the best interests of the individual and not what others are doing.

If you have any questions concerning the scheduling timeline or procedure, please contact the guidance office at (814) 378-7616 extension 2104 for Mrs. Kitko.

## **Credits Required for Promotion**

### **Seventh Grade**

Students must earn a minimum of five (5) credits in 7<sup>th</sup> grade or they will be retained.

**The following credits and courses must be passed:**

**3 of 4** possible credits in Math, Science, English, Social Studies

**The following courses will be scheduled for seventh grade.**

- Assigned Math Class (Math 7, Pre-Algebra B, Pre-Algebra A)
- 907 Math for Success if student qualifies
- 107 Language Arts
- 207 World History
- 407 Life Science
- 737 Health
- 707 Physical Education
- 117 Developmental Reading
- 509 Intro to Computers

**Students may choose band or chorus. Students requiring MFS may not be able to schedule Band and/or Chorus.**

### **Eighth Grade**

Students must earn a minimum of five (5) credits in 8<sup>th</sup> grade or they will be retained.

**The following credits and courses must be passed:**

**3 of 4** possible credits in Math, Science, English, Social Studies

**The following courses will be scheduled for eighth grade.**

- Assigned Math Class (Pre-Algebra B, Algebra I B, Algebra I A)
- 908 Math for Success if student qualifies
- 108 Language Arts
- 208 Civics and 218 World Geography
- 408 Physical Science
- 228 Career Exploration
- 708 Physical Education
- 628 Music
- 608 Art
- 767 Family and Consumer Science
- 567 Technology Education

**Students may choose band or chorus. Students requiring MFS may not be able to schedule Band and/or Chorus**

A student will not be retained in 7<sup>th</sup> grade **or** 8<sup>th</sup> grade for more than one (1) year.

A student may be socially promoted from 7<sup>th</sup> to 8<sup>th</sup> grade and also from 8<sup>th</sup> grade to 9<sup>th</sup> grade.

## Graduation Requirements (9-12)

In order to graduate from the Moshannon Valley Junior-Senior High School, a student must earn **25** credits and pass all state and local requirements, including the state-mandated graduation project.

- ✓ 4 Credits are needed to enter 10<sup>th</sup> Grade.
- ✓ 10 Credits are needed to enter 11<sup>th</sup> Grade. \*\* 12 credits are needed to attend CCCTC
- ✓ 17 Credits are needed to enter 12<sup>th</sup> Grade.
- ✓ There is no social promotion at the high school level.

A student must obtain the following credits in these courses during the grades of 9, 10, 11, and 12.

<u>Credits</u>	<u>Courses/Subject Areas</u>
4	Language Arts (English)
4	Mathematics
1	PSSA Math in 11 <sup>th</sup> grade
4	Science
4*	Social Studies
2.5	Health, Physical Education
.5	Family Life Skills
1	Introduction to Computers ( <b>Class 2012-13</b> )
2	Arts or Humanities or both:

**Examples:** Art, Music and Foreign Languages

Electives – As needed to meet graduation requirements.

**Students must choose 8 credits each year and are allowed only one study hall per day.**

**Please note:** Student selects from additional planned courses from among those approved for credit toward graduation by the school district, including approved vocational courses.

**Beginning with the graduation class of 2014, successful completion of the state-mandated Keystone Exams will be required for graduation.**

**Students will be required to pass exams in core academic subjects in order to receive a high school diploma in Pennsylvania.**

We will begin giving the Keystone Exams this spring. For more information contact the office.

## College Preparatory

### Required Courses - College Prep

Subject	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Language Arts</b>	Language Arts 109	Language Arts 110	Language Arts 111	Language Arts 112
<b>Social Studies</b>	US History I 209	US History II 210	World Studies 211	Government/Economics 212
<b>Math Track 1</b>	Algebra 2 A 339	Geometry A 340	Trigonometry 361	Calculus 362
<b>Math Track 2</b>	Algebra 1 A 328	Geometry A 340	Algebra 2 A 339	Trigonometry 361
<b>Science</b>	Intro to General/ Environmental Science 409	Biology 410	Academic Chemistry 431	<b>Choose at least 1 credit:</b> Physics 432 ; Advanced Chemistry 462; Advanced Biology 452 or Advanced Environmental Science 451
<b>Other</b>	Introduction to Computer Applications 509		PSSA Math	
<b>Arts and Humanities</b>	Spanish I - 661 or Spanish II 662 <b>OR</b> French I - 651 or French II 652	Spanish II - 662 <b>OR</b> French II - 652 Library Research 140	Family Life Skills 771	
<b>Health/ Physical Education</b>	Phys. Ed 9 -709 Health 739	Phys. Ed. 10 - 710 Traffic Safety - 740	Phys. Ed 11 - 711	Phys. Ed 12 - 712

**College Prep students** will need to take a minimum of: 2 of the following lab sciences- Biology 410, Chemistry 431, Physics, Advanced Biology, Advanced Chemistry, Advanced Environmental Science; Algebra I, II, and Geometry; and 2 years of the same foreign language in order to meet college entrance requirements.

Students planning on attending college should begin looking at specific requirements for individual colleges and majors as soon as possible. Some majors and /or colleges have requirements beyond what is listed above.

For example: In order to be accepted into a professional nursing major (RN) a student must pass academic chemistry (431) with a grade of C or better. And most engineering majors require a minimum of Trigonometry and Physics.

## **NCAA Requirements**

Students who are planning to play a Division I or Division II sport at the college level MUST be aware of the NCAA regulations regarding course work and transcripts. Student-athletes must have a transcript on file with the NCAA by the end of their junior year.

The NCAA requires students to take 16 approved core courses for Division I and 14 approved core courses for Division II in order to play as freshman. There are also minimum standards for G.P.A. and SAT scores.

Visit the NCAA website: [eligibilitycenter.org](http://eligibilitycenter.org) or talk to your coach or guidance counselor to find out more about approved core courses and how to register with the NCAA.

Not having the right courses WILL affect your ability to play sports at the college level.

## **Earning College Credits in High School**

The Moshannon Valley School District has a policy in place that allows juniors and seniors to enroll in college-level courses during the school year. There are two ways in which students can earn credits:

1. Students can be awarded college credit for some of our high school courses:

**112 College Prep Language Arts 12** can receive 3 credits from Mount Aloysius College as EN 102, Introduction to Literature

**663 Spanish III** course can receive 3 credits in Spanish 102 from St. Francis University

**664 Spanish IV** course can receive 3 credits in Spanish 201 from St. Francis University

**362 Calculus** can receive 4 credits as CM 117 from Mount Aloysius College

**431 Academic Chemistry** can receive credits from Mount Aloysius as Chem. 103 or from St. Francis University

**432 Physics** can receive general science credits from Mount Aloysius pending approval.

2. Students can also earn credits by taking college courses at Penn State University, DuBois Campus and/or Lock Haven University, Clearfield Campus

Qualified students are able to earn college 3 credits and meet graduation requirements at the same time. Moshannon Valley High School currently has agreements with Lock Haven University and the Pennsylvania State University for our students to take courses at a reduced tuition rate.

To be eligible students must have a G.P.A. of at least 87% and have parent and principal permission. Students must also meet the requirements of the college they plan to attend. Students are required to be up to date in meeting graduation requirements and must continue to maintain passing grades in their high school courses.

Parents are responsible for course fees, tuition and transportation to the college. Both Penn State and Lock Haven offer reduced tuition. In addition, the Moshannon Valley School District participates in the dual enrollment program which could further reduce costs.

Students may sign up for a minimum of 3(three) credits each semester and spend ½ the day at the high school and ½ day at the college. Or students can sign up of on-line courses through the university and be scheduled study hall time at the high school. There is no minimum number of on-line credits required. Students planning to take college courses in the fall of 2011 should begin exploring the process now. It is important to plan ahead since coordinating school and college schedules can be difficult.

Moshannon Valley High School is currently in the process of developing a program for students to participate in **Blended Schools** programming. This potentially could allow students to take classes on-line that would not be typically offered at MV. Students interested should speak to the guidance counselor for more information as it made available.

### Required Courses – Career Prep

<b>Subject</b>	<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>
<b>Language Arts</b>	Language Arts TP 119	Language Arts TP 120	Language Arts TP 121	Language Arts TP 122
<b>Social Studies</b>	US History I 209	US History II 210	World Studies 211	Government/Economics 212
<b>Math</b>	Algebra 1 B 330	Geometry B 341	Algebra 2 B 349	Math 12 363
<b>Science</b>	Intro to General/ Environmental Science 409	Biological Science 420	Applied Chemistry 421	Senior Science 411 <b>OR</b> Biotech 419
<b>Other</b>	Introduction to Computer Applications 509		PSSA Math	
<b>Arts and Humanities</b>		Library Research 140	Family Life Skills 771	
<b>Health/ Physical Education</b>	Phys. Ed 9 - 709 Health 739	Phys. Ed. 10 - 710 Traffic Safety 740	Phys. Ed 11 - 711	Phys. Ed 12 - 712

## Required CCCTC Schedule

<b>Subject</b>	<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>
<b>Language Arts</b>	Language Arts TP 119	Language Arts TP 120	Language Arts TP 121	Language Arts TP 122
<b>Social Studies</b>	US History I 209	US History II 210		Government/Economics 212 OR World Studies 211
<b>Math</b>	Algebra 1 B 330	Geometry B 341	Algebra 2 B 349	Math 12 363 or CCCTC math credit
<b>Science</b>	Intro to General/ Environmental Science 409	Biological Science 420	Applied Chemistry 421	<b>OR</b> Senior Science 411 or Biotech 419 or CCCTC science credit
<b>Other</b>	Introduction to Computer Applications 509		PSSA Math at CCCTC	
<b>Arts and Humanities</b>		Library Research 140		Family Life Skills 771
<b>Health/ Physical Education</b>	Phys. Ed 9 - 709 Health 739	Phys. Ed. 10 - 710 Traffic Safety 740		<b>AND</b> Phys. Ed 11 - 711 <b>OR</b> Phys. Ed 12 - 712
<b>CCCTC</b>			3 credits AM + lunch and travel	3 periods PM + lunch and travel

## Career and Technology Education

The Moshannon Valley School District is a member of the Clearfield County Career and Technology Center. Our students may elect a program of occupational education and training at the Career and Technology Center, and, if accepted, they attend one-half day sessions at Moshannon Valley High School and one-half day sessions at the Career and Technology Center during their eleventh and twelfth grade years, with the exception of the Cosmetology Course students who will attend a three-year program beginning in the tenth grade.

Students apply during the tenth grade and are notified of their acceptance the same year. The state-mandated courses are taken at Moshannon Valley and the electives at the Career and Technology Center. A student must have passed all required subjects in 9<sup>th</sup> and 10<sup>th</sup> grade and have a minimum of 12 credits in order to attend CCCTC.

CCCTC students have full schedules. There is no room in the curriculum to make up failed courses. Students who fall behind schedule in their major courses will have to make up that work through correspondence courses or they cannot graduate on time.

CCCTC students will receive either one mathematics credit or one science credit from CCCTC based on completion of their two year program. Below are the credits earned in each program:



Architectural Drafting	Math
Auto Body	Math or ½ Science
Auto Mechanics	Science
Carpentry	Math
Computer Business (MIS)	Math or Science
Cosmetology	Science
Culinary Arts	Science
Diesel Mechanics	Math
Distributive Education/Marketing	Math
Electrical Occupations	Math or ½ Sciences
Health Occupations	Science
Masonry	Math or ½ Sciences
Precision Machining	Math
Welding	science

CCCTC students are required to complete only 3 credits in social studies. One of the following- PE11 OR PE 12- will not fit into CCCTC schedules. CCCTC students will follow a tech prep curriculum. They may request college prep classes but it is not always possible to fit them into the schedule.

**The areas of study at the Career and Technology Center are as follows:**

**AM/PM**

- 811/851** Collision Repair Technology
- 812/852** Automotive Mechanics Technology
- 813/853** Carpentry and Building Construction Technology
- 804** Cosmetology 1 (**p.m. only**)
- 814/854** Cosmetology 2 (**a.m. only**) and 3 (**p.m. only**)
- 815/855** Diesel Equipment Maintenance and Repair Technology
- 816/856** Distributive Education and Marketing
- 817/857** Diversified Occupations/Cooperative Education
- 818/858** Architectural Drafting
- 819/859** Electronics and Communications Technology
- 820/860** Residential and Commercial Electrical Technology
- 821/861** Culinary Arts and Food Management
- 822/862** Health Assisting and Medical Technology
- 823/863** Precision Machining Technology
- 824/864** Masonry and Building Construction Technology
- 825/865** Welding Technology
- 826/866** MIS and Computer Business Technology
- 827/867** Architectural Drafting – Independent Study  
**(1 Year Only)(a.m. or p.m.)**
- 868** Electronics 3 – Fiber Optics and Cable Networking  
**(1 Year Only)(p.m. only)**
- 869** Baker/Pastry Chef  
**(1 Year Only)(p.m. only)**
- 870** Entrepreneurial Studies  
**(1 Year Only)(p.m. only)**

## Vocational Education Exploration Program (V.E.E.P.)

This program is for 9<sup>th</sup> and 10<sup>th</sup> graders and the minimum age is fifteen (15) years of age. Certain other requirements must be met to qualify for this program. Complete descriptions are available in the Guidance Office.

### ARTS

#### **608 Concepts I**

**.5 Credits**

This is a required semester course for eighth graders. Students will be introduced to the Elements of art. Each of the elements will be looked at in depth and students will further their understanding through the creation of projects. Students will be expected to complete guided reading assignments, quizzes, projects, worksheets and self evaluations that will accompany each of the Units. In addition students will be expected to complete a sketchbook weekly. Students will be assigned an artist in whom they will research and complete an artist research paper and give a presentation to the class as part of their final grade. Students will have a final exam in which all coursework will be included and students will be expected to successfully complete in order to assess learning for the semester.

#### **620 -622 Concepts II**

**.50 -1.0Credits**

This is a follow up course for Art Concepts I. This course can be taken in a full or half year and is a prerequisite for all other art classes. In order to join this course you must have successfully completed Concepts I. This course will introduce students to the seven principles of design. Each of the seven course units will be covered in both semesters and will consist of, group reading, guided reading assignments, demonstrations, video instruction, and definition of key terms, quizzes, tests and projects. Students will be introduced to a range of art media; will observe influential artists on a weekly basis and will complete a weekly sketchbook that reflects upon information about the artist as well as questions based on art criticism and art aesthetics. Students will complete an artist research project in which they will be assigned to one of the influential artist and will be expected to complete an Artist Cube that is a reproduction of six of their artworks. Students will begin portfolio development in this course with artworks that they complete in which they will further develop in a digital portfolio in later courses.

**The following 3 courses will be offered on a rotating basis. See course descriptions for course offered school year 2011-12**

#### **621 Art Appreciation**

**1.0 Credit**

This is a full year course and is open to students who have successfully completed Art Concepts I and II. This course will be offered every three years on a rotating cycle. This course will be the first offered in the 3 year cycle. Projects completed in this course will consist of a variety of types of Fine Arts. Students will be introduced to a range of art media in which they will have the opportunity to explore and use in the creation of each unit. Those who enroll in this course can expect to focus on the areas of Drawing, Painting, Ceramics, Printmaking, Sculpture, Two Dimensional and Three Dimensional Design. In addition to exploring different areas of creating art students in this course will also learn about the history of art and various movements in art ranging from the Prehistoric Period to the Modern Period. Offered 2013-14

**623 Art Understanding****1.0 Credit**

This is a full year course open to students who have successfully completed Art Concepts I and II and who have successfully completed all other levels of art previously taken. Projects completed in this course will consist of a variety of types of Fine Arts. This course will be offered every three years on a rotating cycle. This course will be the second course offered in the 3 year cycle. Students will be introduced to a range of art media in which they will have the opportunity to explore and use in the creation of each unit's projects. Those who enroll in this course can expect to focus on the areas of Drawing, Painting, Weaving, Ceramics, Printmaking, Metalworking, Sculpture, Two Dimensional and Three Dimensional Design. In addition to exploring different areas of creating students in this course will also focus on understanding art from different cultures. Offered 2011-12.

**609 Advanced Art****1.0 Credit**

This full year course is open to students who have successfully completed Art Concepts I and II and all other levels of art that they have previously taken. This class has been developed for those who thoroughly enjoy the experience of art and would like to explore the most challenging opportunities in the field of art. This course will be offered every three years on a rotating cycle. It will be the third course offered in the 3 year cycle. Students wishing to pursue a career that encompasses the arts or students wishing to use knowledge of the arts to develop into a well rounded individual should take this course. Projects completed in this course will consist of a variety of types of Fine Arts. Students will focus on the areas of Drawing, Painting, Ceramics, Printmaking, Metal Casting, Sculpture, Two Dimensional and Three Dimensional Design. Students will complete a Career Research Project in which they will do close observations of art related fields of study and careers that can be pursued from those areas of study. Students will prepare a digital portfolio of their artwork that can be sent out with college applications. It is recommended that students take this course during their eleventh grade year in order to have a working portfolio by the time they begin to apply to college. Offered 2012-13

**624 Crafts and Creativity****.5 Credits**

This course half year course will be offered every school year to students who have successfully completed Concepts I (8<sup>th</sup> Grade). This course will consist of and focus on the arts and crafts of folk art and Traditional American designs. Students will be able to identify the difference between fine art and craft while exploring with traditional media. Students will complete units in Fabrics and Fibers, Paper, Jewelry, and Metal Working and Functional Ceramics. These units will focus on Basket Weaving, Knitting with a loom, Crochet, Quilting, Paper Making, Scrapbooking, Tie Dye, Jewelry Fabrication, Tin Working and hand built Functional Pottery. Offered 2011-12

**625 Three Dimensional Thinking****.5 Credits**

This half year course is offered every school year to student who have successfully completed Concepts I (8<sup>th</sup> Grade) . This course will focus on thinking about the world around us in three dimensional forms and about how each space relates to its surroundings. Students will be asked to think about various objects in abstract and concrete ways. Students will create sculptural bodies of art using mediums such as cardboard, foam core, and plaster. Students will explore with building as a means of creating as well as reduction as a means of creating. Students will participate in projects such as designing their own homes in blue prints and transforming them to

scale models with construction calculations and interior planning, Large group instillation works, Building a work of interest within a frame work, Creating works of art using surface planes, and using molds to create a reduction work. This course will require measuring skills as well as precise mathematical calculations for various units. Offered 2011-12

### **614-616 Alternate Arts**

**.4 or 6 Credits**

This full year course is for 9<sup>th</sup> through 12<sup>th</sup> grade students. This art course will focus on the elements and principles of art and will combine this knowledge to create two dimensional arts. Projects will focus heavily on drawing and painting in realistic, abstract and graphic designs. Students will be exposed to a variety of mediums and materials, such as graphite, dry pastels, oil pastels, and acrylics in a course that is studio/ project based. In addition to studio art and design students will be in charge of coordinating the spring art show in combination with the spring chorus concert. Students will select a special group of art to be displayed and juried for the spring show along with designing promotional flyers to advertise the event to the community. Students will learn how to frame and how to appropriately price their work for selling in order to understand real life applications of their gifts and talents.

### **603-604 Art Independent Study**

**.5 or 1 Credits**

This course can be a half or full year course. Students who wish to do independent study must be in 11<sup>th</sup> or 12<sup>th</sup> grade and must have completed Concepts 1 and Concepts II and will only be permitted as an independent if their schedule will not allow them to fit it into a course they have not had previous. Students wishing to do independent study must have signed confirmation from their art instructor either at the time of course scheduling or at the start of the school year.

## **CONSUMER SCIENCE**

### **767 Family/Consumer Science**

**.5 Credit**

This 8th grade class begins with clothing care including washing, ironing, mending and introduction to the sewing machine. Students will complete a small sewing project. Then students will study child development and childcare with an emphasis on babysitting. Finally, the students will learn about good nutrition, label reading, understand the nutrients and then utilize safe and nutritious cooking practices in the food lab.

### **771 Family Life Skills**

**.5 Credit**

This semester course will be required by all juniors to meet F & CS standards for high school students. This course includes the four academic standards for Family and Consumer Science: 1) Financial and Resource Management; 2) Balancing Family, Work and Community Responsibility; 3) Food Science and Nutrition; and 4) Child Development. In Financial and Resource Management, students will complete a unit emphasizing spending plans, consumer rights and responsibilities, income, purchasing, investing, building a strong credit history and financing a house and car. In Balancing Family, Work and Community Responsibility, the students practice practical reasoning

skills, team building, family functions, the family life cycle, and communication. In Food Science and Nutrition, students will learn about food supply and handling and nutrition throughout the life span. In Child Development, students learn about children's developmental stages, health and safety

### **783 Success in the Home**

**.5 Credit**

This semester elective course is intended for 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> graders who have successfully completed the Family and Consumer Science course in 7<sup>th</sup> grade. Students will learn to successfully cook and bake various recipes needed as young adults. They will analyze food costs, and design various meal services. In addition they will receive instruction in sewing and mending. They will study a unit on interior design and will have an opportunity to design a room. Students will learn about home ecology and ways they can make their homes "green".

### **784 Child Development**

**.5 Credit**

This semester elective class for seniors will give students the ability to understand children, parenting and themselves. It will address the developmental stages of children, theorists, parenting skills, and the role of families. Careers involving children will also be discussed.

### **757 Interpersonal Relationships (grades 7 and 8)**

**1 Credit**

This course is designed to help students claim their self-esteem, identify their individual talents, create internal motivation and drive to expand those talents, assume responsibility for themselves, and interact responsibly with others. Topics of interest include discussion skills, responsibility, communication, assertiveness, problem solving, self-esteem and relating effectively. Students will develop, internalize and use these skills in all aspects of their lives.

### **759 Interpersonal Relationships (grades 9 – 12)**

**1 Credit**

This course is designed to help students claim their self-esteem, identify their individual talents, create internal motivation and drive to expand those talents, assume responsibility for themselves, and interact responsibly with others. Topics of interest include discussion skills, responsibility, communication, assertiveness, problem solving, self-esteem and relating effectively. Students will develop, internalize and use these skills in all aspects of their lives.

## **FOREIGN LANGUAGES**

### **651 French I**

**1 Credit**

This course will introduce students to the French and Francophone cultures. Although all four skills, reading, writing, listening and speaking are included, basic communication skills are emphasized. Topics of discussion include likes/dislikes, school, purchasing school supplies, sports and activities, and ordering a light meal in a café. The text is supplemented by audio/visual recordings as well as internet activities.

### **652 French II**

**1 Credit**

French II students must have successfully completed 651 French I. This course is designed to continue the student's introduction to French and Francophone culture, and further develop the student's communication skills. Topics of discussion include family, shopping for food, sports and activities, purchasing clothing, planning a vacation and

giving directions. Discussion of what the student did in the past is introduced. The text is supplemented by audio/visual recordings as well as internet activities.

### **653 French III**

**1 Credit**

French III students must have successfully completed 652 French II. While continuing their study of French and Francophone culture, the student will continue to further expand his vocabulary and his ability to discuss his past activities. Readings, including brief articles on contemporary issues written for French adolescents, and writing become increasingly important. The text is supplemented with audio/visual recordings as well as internet activities. *This course may be offered as an independent study in special circumstances.*

### **654 French IV**

**1 Credit**

French IV students must have successfully completed 653 French III with a final grade of 84% or higher. With increased ability to use French as a means of communication, reading is done for increased knowledge as well as for pleasure. Readings include fairy tales, fables, and excerpts from contemporary French literature as well as articles written for French adolescents. The text is supplemented with audio/visual recordings as well as internet activities. *This course may be offered as an independent study in special circumstances.*

### **655 French V**

**1 Credit**

As the student continues to develop his/her ability to communicate and function in the francophone world, he/she will develop his/her knowledge of that world past and present. Readings include excerpts from French literature, history, sciences and arts. With the understanding that accuracy increases the ability to be understood, the student will continue to develop his/her knowledge of French grammar. The text will be supplemented by French TV, radio, feature length films, as well as internet research. Prerequisite is French IV with an 85% average or higher. *This course may be offered as an independent study in special circumstances.*

### **661 Spanish I**

**1 Credit**

This course will introduce students to the Mexican culture and focuses on acquiring vocabulary and verbs in the language. Although the majority of student work revolves around the written language, basic communication skills are practiced.

### **662 Spanish II**

**1 Credit**

Spanish II students must have successfully completed 661 Spanish I. This course will focus on acquiring a larger vocabulary and more complex verbs in the language. Students will be challenged to read a short story in Spanish. The oral component will also include listening skills and more work on the students' speaking ability.

### **663 Spanish III**

**1 Credit**

A student must receive a final grade of 84% or higher in Spanish II in order to take Spanish III. This course will focus on acquiring a larger vocabulary and more complex verbs in the language. Students will read a longer short story in Spanish, ***La Rama Seca***, and complete an essay exam. The oral component will include short informative speeches to be given by the student in the target language

### **664 Spanish IV**

**1 Credit**

A student must receive a final grade of 84% or higher in Spanish III in order to take Spanish IV. This course will focus on refining their reading and writing skills in the

language. The course is meant to emphasize conversational abilities and, therefore, will be conducted in a very oral manner. Students will read two stories in Spanish, *Manchamanteles* and *El Monte de las Animas*, and complete an essay exam.

### **665 Spanish V**

**1 Credit**

This course will focus on refining the students speaking and listening skills in the language. The course will be structured around skits, debates on current events and reviews of newspaper articles. A student must receive a final grade of 80% or higher in Spanish IV to take Spanish V.

**Special Note: Juniors and Seniors can take Spanish III and Spanish IV and receive college credit from St. Francis University. There is a fee for college credit. See the instructor for details.**

## **LANGUAGE ARTS**

### **107 Language Arts**

**1 Credit**

Seventh grade Language Arts will provide the student with an opportunity to participate in three areas of study: grammar, literature, and composition. Through the study of these main areas, the students will gain experience in reading, writing, speaking, thinking, and listening.

### **108 Language Arts**

**1 Credit**

Students who enroll in 108 Language Arts will study a variety of grammar, usage, and mechanic ideas and rules. Students will also demonstrate their ability to use the process of writing in response to various literary works, which include short stories, drama, plays, and novels, and through the construction of essays and compositions. While studying literature, students will be introduced to various elements of fiction, such as plot, theme, and point of view. Also, students will begin the preliminary stages of speech development, which may include listening, speaking, and peer evaluations. Students will also expand their vocabulary by exploring a variety of vocabulary lists and variations.

### **109 Language Arts**

**1 Credit**

College Prep – Ninth grade Language Arts will include the study and enhancement of grammar, literature, and composition. Study will include a variety of short stories, plays, classic novels, and contemporary novels including the following: *Romeo and Juliet*, *Speak*, *Pigman*, *The Scarlet Letter*, *The Most Dangerous Game*, *Night*, *Antigone*, and *The Gift of the Magi*.

### **119 Language Arts**

**1 Credit**

Tech Prep - Ninth grade Language Arts will include the study and enhancement of grammar, literature, and composition. Study will include work from among a variety of short stories, plays, classic novels, and contemporary novels including some of the following: *Romeo and Juliet*, *Speak*, *Pigman*, *The Scarlet Letter*, *The Most Dangerous Game*, *Night*, *Antigone*, and *The Gift of the Magi*.

### **110 Language Arts**

**1 Credit**

College Prep - For the college prep student, the tenth grade Language Arts course is a comprehensive program covering grammar, literature, composition, and vocabulary. The focus in grammar will be sentence structure and variety, writing complete

sentences and a review of mechanics. Composition will stress the writing process including prewriting techniques, writing unified and coherent paragraphs and a variety of essays. The study of literature will include the short story, poetry, drama, the novel and the legend in both classic and contemporary world literature. A sequential vocabulary program is included.

### **120 Language Arts**

**1 Credit**

Tech Prep- For the tech prep student, the tenth grade Language Arts course will be a comprehensive program covering grammar, literature, composition, and vocabulary. The study of grammar will include a review of mechanics and application of grammatical principles to writing. Composition will stress the writing process including prewriting, drafting, evaluating and revising and proofreading. The focus in literature will be on fables, myths, tall tales and legends, the short story, nonfiction, poetry, drama and the novel. A sequential vocabulary program is included.

### **111 Language Arts**

**1 Credit**

College Prep - For the college prep student, the eleventh grade Language Arts is a survey of American literature that includes analysis of specific works. Expository writing and interpretation of literature is stressed; the following novels are analyzed in class - A Separate Peace, To Kill A Mockingbird, and The Great Gatsby. Composition instruction stresses creativity, organization, and application of grammatical principles. Vocabulary study introduces twenty words each lesson emphasizing their use in sentences and analogies. Grammar is reviewed, particularly pronoun reference, parallel structure, sentence economy and variety, punctuation, and usage. Projects are also assigned throughout the year (one per nine weeks or at least three per year). Students are given a variety to choose from, ranging from research papers to artwork.

### **112 Language Arts**

**1 Credit**

College Prep – Twelfth Grade Language Arts will include the study and enhancement of grammar, British literature, composition, and college preparation. Study will include a variety of short stories, poems, and classic novels including the following; *Beowulf*, *A Modest Proposal*, *The Canterbury Tales*, *Pride and Prejudice*, *Animal Farm*, *1984*, *Lord of the Flies*, and *The Picture of Dorian Gray* as well as a variety of Shakespearean plays. Composition instruction promotes the use of critical thinking and problem solving strategies about significant issues and in response to the literature read in class. **Note this course can be taken for 3 college credits from Mount Aloysius. There is a fee for college credits. Please see the teacher.**

### **117 Developmental Reading - 7th Grade**

**1 Credit**

The Developmental Reading program emphasizes the improvement of each student's overall reading ability, plus an upgrading of their study skills. The areas of concentration are: (1) content area reading (competent use of textbooks); (2) study skills; (3) comprehension improvement; (4) formal writing (research style term papers) and extemporaneous writing; and emphasizing reading as a form of entertainment and desirable activity.

### **121 Language Arts**

**1 Credit**

Tech Prep - For the tech prep student, the eleventh grade Language Arts course is a study of grammar, literature, composition and vocabulary. Literary works are analyzed in class. Literature readings include short stories and plays. Assignments are analyzed, stressing analytical thinking. Grammar study stresses usage, spelling,



sentence structure, capitalization, punctuation, and use of the dictionary. Vocabulary lessons introduce new words through using words in sentences. Composition lessons reinforce concepts of grammar and literature and introduce elements of writing.

### **122 Language Arts**

**1 Credit**

Tech Prep - This course is comprised of writing and reading workshops. Composition instruction includes practice in writing expository prose that shows awareness of audience, purpose, and context. Grammar, punctuation, and usage instruction is based on diagnosis of student needs in writing and speaking. Speech communication, preparation and presentation of reports, problems in interpersonal communication, and analysis and evaluation of messages. Literature study comprises review of elements of genres (short story, drama, poetry, and prose); written reader response; critical analysis and summary writing; and collaborative interpretation. One Shakespeare play, Hamlet or Macbeth, is studied and used as the basis for personal response, close reading, analysis, and small group performance to determine sources of its permanent appeal.

### **130 Public Speaking**

**1 Credit**

This course is designed to improve student understanding of the different types of speeches- informative, persuasive, etc. The course will include instruction on analyzing the audience, selecting and researching a topic, supporting ideas, organizing a speech (introduction, body, conclusion) and outlines and speaking notes.

### **151 SAT Prep Verbal**

**.5 credit**

This course is designed for students who will be taking the SAT. It is offered in conjunction with the SAT Math Review. The content will include a review of prefixes, suffixes and word roots, a study of vocabulary lists, and testing tactics and strategies on how to answer questions on analogies, sentence completion and critical reading.

### **140 Research**

**.2 Credit**

This research class meets two days a week for one semester for all 10<sup>th</sup> grade students. Students will learn how to conduct print and electronic research and will also learn basic APA style, which aids students in completing their graduation project. This course will require a completed APA Research style paper.

### **181 Media Literacy**

**1 Credit**

This course is an elective for juniors and seniors who carry a grade of "C" or better in English. In Media Literacy, we will focus on analyzing what is seen, heard and read in/on television, radio, internet and newspapers. Students will focus their efforts into developing a written portfolio of various written forms of communication, such as short stories and poems. Students must explore their creative side as well as their analytical side and be self-driven to do hands-on projects in class striving to complete a school newspaper as a final project. **This course will be offered every other year;2013-14,2015-16.**

## **MANAGEMENT AND INFORMATION SYSTEMS TECHNOLOGY**

### **509 Introduction to Computer Applications**

**1 Credit**

Introduction to Computer Applications is a beginner's level computer course taught on PC equipment with Windows environment. Students will complete activities using Microsoft Office Professional 2007 edition of Word, Excel, PowerPoint, and Publisher.

Students will also review their keyboarding skills during the first marking period. Intranet and Internet application activities coincide with the present networked system. Introduction to Computer Applications is a full year, one credit course required for students in grade 7.

### **510 Computer Applications**

**1 Credit**

Advanced Computer Applications is a second level computer course taught on PC equipment with Windows environment. Students must successfully complete Intro to Computer Applications 509. Where Intro to Computer Applications applies core level activities, Advanced Computer Applications expands the core applications and emphasizes integrated suite activities. Students will complete activities using Microsoft Office Professional 2007 edition of Word, Excel, PowerPoint and Publisher. Intranet and Internet application activities coincide with the present networked system. Advanced Computer Applications is a full year, one credit course offered to students in grades 9 through 12.

### **514 Virtual Business/Personal Finance**

**1 credit**

Students will engage with a totally visual computer simulation that lets them learn and practice all the key personal financial skills they need to succeed in life. Students will be presented with challenges around bank accounts, credit and debit cards, bills, credit scores, taxes, insurance, investing and more. The program will combine rich visuals and animations with a complete simulation that covers all aspects of personal finance. Lessons include scheduling your day, finding a job, getting an apartment, choosing transportation, healthy living, checking accounts, getting a credit card, your credit score, saving money, getting an education, online banking, dealing with taxes, investing in the stock market, buying a home, choosing a mortgage, insurance and building a career. Open to students in grades 10-12

### **531 Media Production**

**1 Credit**

Media Production is a yearlong course designed as an elective for juniors and seniors who are interested in producing substantial products. Students need to have excellent time management and communication skills and want to be part of an entrepreneurial environment. Students taking this course may follow either one of two tracks: print or video. Students electing to enter into the print track will be responsible for producing the yearbook and school newspaper. These students will be exposed to a suite of Adobe software products such as Photoshop, Illustrator and InDesign. Print track students must be willing to spend time outside of the classroom taking pictures, selling advertisements and interviewing people. Students electing to enter into the video track will be responsible for producing projects involving community and school activities that will be jointly agreed to between the student and instructor. Topics a video track student may consider are producing "high lights" of school, sporting or music event(s) or a community activity that will assist an organization. Video track students are expected to produce one major production per marking period and it is assumed that half of the work will be accomplished outside of the classroom. The number of students allowed to take this course is 10 for the print track and 5 for the video track. All students must have passed the Intro to Computer Applications course. Students taking the video track must also have passed the Video Production course. Feeder courses that must have been passed for the print track are Creative Writing, Journalism, and either the Intro or Advanced Photography and Image Editing courses. Juniors who successfully completed the print track may return as seniors to continue their work on the yearbook and school newspaper.

**541 Computer Programming I****1 Credit**

Computer Programming I is a yearlong course designed as an elective for juniors and seniors. The course covers the introduction to programming logic, design, basic types of structures, decisions, arrays and loops. These concepts will be translated into practice using object-oriented programming and design applications. This course currently uses Visual Basic 6 and C++ as the programming languages. The first three marking periods will focus on Visual Basic 6 and cover how to build an application, working with Intrinsic and ActiveX Controls, Multiple Forms, Dialogs, Debugging, Making Executable Files, Data Controls, Common Dialogs, and Drag and Drop Events. The fourth marking period will introduce C++ and cover variables, function, objects, events, data types and operators and some decision making with control structures and statements. Students will be required to develop and code at least two programs of their own design. Students taking this course should have passed Intro to Computer Applications. Both independent and group activities are used as learning environments. First and Second Semester Projects are worth 60% of the second and fourth marking period grades.

**551 PC Repair, Troubleshooting and Assemblage****1 Credit**

The PC Repair, Troubleshooting and Assemblage course is a yearlong course designed as an elective for juniors and seniors. This course uses a simulated lab as the learning environment. Students are involved in a robust, hands-on learning experience that combines animated demonstration with open simulations to give them a chance to practice complex tasks in a safe, simulated environment. Course materials integrate multimedia technologies, simulation technologies, instruction animations and technical graphic images into a sophisticated learning environment. The course covers the A+ Certification requirements for hardware, operating systems and networking. Students are offered the opportunity to build their own computer. Students who decide not to build a PC will be required to do a project that demonstrates their knowledge of PC Repair and components. Students must have passed the Intro to Computer Applications course.

**511 Introduction to Web Design****1 Credit**

Introduction to Web Design is a yearlong course designed as an elective for sophomores, juniors and seniors. The course begins with Web Design Fundamentals and Preparation of your Web Site. The course covers Hypertext Markup Language (HTML), Students will do text and classroom work in addition to peer group activities and independent projects. Students typically develop one Web Site per making period. Students taking this course must have passed Intro to Computer Applications. Students will also be taught Photoshop and Fireworks as they pertain to Web Design. If time permits students will be introduced to Dreamweaver/Flash. The course concludes with a Capstone Project where students Design, Develop and Deliver a genuine functional Web Site to a real entity such as a nonprofit organization, teacher, etc. Final Project is worth 60% of the fourth marking period grade.

**501 Video Production I****1 Credit**

Video Production is a yearlong course designed as an elective for juniors and seniors. This course requires the student to master the skills necessary to operate and direct the functional components of a television program. Students are required to operate equipment and write, produce and direct programs of various lengths throughout the course. Students will receive instruction in the technical operation of a television production facility and will be required to act as talent, writers and reporters. Video

Production students are self-motivated, creative, goal-oriented and willing to accept challenges. Due to the content, cost of equipment and products expected of the course, students must be responsible, reliable and self-disciplined to complete projects within a timeframe that has a deadline. Technical, interpersonal and problem-solving skills are essential to ensure success with this course. Students will do text and classroom work in addition to peer group activities and independent projects. At a minimum, students must produce three Public Service Announcements (PSA's) of 3 to 5 minutes each and a final Capstone Project that lasts 8 to 10 minutes. Final Project is worth 60% of the fourth marking period grade. Students must have passed the Intro to Computer Applications course.

### **580 Photography and Image Editing**

**1 Credit**

Photography and Image Editing is a yearlong course designed as an elective for sophomores, juniors and seniors. The concept of the course is to provide students the opportunity to capture and develop their own photographs using Single Reflex Lens (SRL) Digital cameras, then "edit" these images using Adobe Photoshop. Students taking this course should have passed Intro to Computer Applications. Students will complete a "Capstone Project" where they will develop a portfolio of twenty pictures that have been "captured, developed and edited." This portfolio will be printed on inkjet quality photo paper and bound. Other class projects may include placing an image on a t-shirt and/or a mouse pad. Image editing topics taught will include the following: 1) Introduction to Photoshop; 2) Image Editing Basics; 3) Creating and Using Selections; 4) Fill, Paint and Edit; 5) Retouching and History; 6) Working with Layers; 7) Extraction and Masking; and 8) Blending, Styles and Layer Effects.

### **591 Advanced Photography and Image Editing**

**1 Credit**

Advanced Photography and Image Editing is a yearlong course designed as an elective for juniors and seniors. The concept of the course is to provide students the opportunity to improve their photography and image editing, and graphic skills. Students will, only use Digital SLR cameras. Students will continue to learn Adobe Photoshop skills in the areas of 1) Shapes and Paths; 2) Type and Text Effects; 3) Distortions and Custom Effects; 4) Color Management and Actions and 5). Additionally, students will be taught Adobe's imaging vector-based program, Illustrator. Using Illustrator, students will learn 1) How to draw; 2) Modify paths; 3) Text and Formatting; 4) Transform and Distort; 5) Fill Stroke and Color; and 6) Blends, Mask and Brushes. All image editing work will be accomplished using the WACOM digitizing tablet/pen system. Students taking this course should have passed the Intro to Computer Applications course and have achieved an average of 80% or better in course 580, Photography and Image Editing. The preparation of pictures by matting and framing will be covered as well. Students will complete a "Capstone Project" where they will be required to capture, edit, frame and mat a series of 3 pictures. Students taking this course will be required to purchase the framing and matting material (through the school) for their projects.

### **594 Animation**

**1 Credit**

Animation is a yearlong course designed as an elective for sophomore, juniors, and seniors. The concept of the course is to provide students the opportunity to create and publish compelling interactive games, demos, prototypes, simulations, and eLearning courses for the web. Students will also be introduced to Adobe Flash so that they can integrate Flash files into Adobe Director. Students taking this course must have passed Intro to Computer Applications. Students will complete a "Capstone Project" where they

will develop an interactive game, a simulation, and an eLearning module. Finally, students taking this course should want to acquire some programming skills.

## **MATHEMATICS**

### **301 Mathematics 7**

**1 Credit**

This course is designed for students who need to strengthen their use and understanding of fundamental math skills and develop basic algebra skills. In-depth work with problem solving will be stressed. The topics in this course will include: review of computation with decimals and fractions; understanding and applying ratio, proportion and percent; basic elements of equation solving; basic algebra; simple probability and statistics; coordinate graphing; measurement in both the metric and English systems; basic geometry; and problem-solving using all of these functions.

### **337 Pre-Algebra A (Grade 7)**

**1 Credit**

This course involves a more algebraic approach to computation with rational numbers as well as work with exponents, graphs, solving and using equations and inequalities, geometric figures and measurement. Information in the Pre-Algebra course is covered in more depth than in Mathematics 7 to prepare the student for Algebra 1. Seventh grade students will be scheduled for Pre-Algebra A based on recommendation of the teachers and Guidance Department with administrative approval.

### **318 Pre-Algebra A (Grade 8)**

**1 Credit**

This course involves a more algebraic approach to computation with rational numbers as well as work with exponents, graphs, solving and using equations and inequalities, geometric figures and measurement. Information in the Pre-Algebra course is covered in more depth than in Mathematics 7 to prepare the student for Algebra 1. Eighth grade students will be scheduled for Pre-Algebra A based on recommendation of the teachers and Guidance Department with administrative approval.

### **319 Pre-Algebra B (Tech Prep)**

**1 Credit**

This course involves a more algebraic approach to computation with rational and signed numbers as well as work with exponents, graphs, solving and using equations and inequalities; geometric figures and measurement; ratio, proportions and percent. The Pre-Algebra course will prepare the student for Algebra 1. Seventh and eighth grade students will be scheduled for Pre-Algebra B based on recommendation of the teachers and Guidance Department with administrative approval.

### **328 Algebra 1 A (Eighth Grade)**

**1 Credit**

This course is a traditional rigorous examination of the following concepts: working with algebraic expressions including mon and polynomials, solving linear equations, factoring polynomials, solving quadratic equations, simplifying and combining algebraic fractions, solving systems of linear equations algebraically and graphically, and an introduction to functions. Throughout the course, the methods of algebra will be used to solve numerous kinds of realistic problems including motion, area, mixture, work, as well as others. Prerequisite is successful completion of Pre-Algebra A, Pre-Algebra B, and/or Algebra 1 B OR teacher recommendation. Open only to 8<sup>th</sup> graders

### **309 Algebra 1 A (Ninth grade)**

**1 Credit**

This course is a traditional rigorous examination of the following concepts: working with algebraic expressions including mon and polynomials, solving linear equations, factoring polynomials, solving quadratic equations, simplifying and combining algebraic fractions, solving systems of linear equations algebraically and graphically, and an introduction to functions. Throughout the course, the methods of algebra will be used to solve numerous kinds of realistic problems including motion, area, mixture, work, as well as others. Prerequisite is successful completion of Pre-Algebra A, Pre-Algebra B, and/or Algebra 1 B OR teacher recommendation. Open only to 9<sup>th</sup> graders

**330 Algebra 1 B (Tech Prep)**

**1 Credit**

This course is designed for students who have taken Pre-Algebra 1 B. This course includes the following topics: operations with real numbers, graphing and solving linear equations and inequalities, exponents and polynomials, factoring, data, statistics, and probability, fractions, systems of equations, and irrational numbers.

**339 Algebra 2 A (9<sup>th</sup> Grade)**

**1 Credit**

This course is a review of the arithmetic axioms, solving equations with 1, 2, and 3 variables, solving quadratic equations, identifying relations and functions, graphing linear functions, quadratic relations and functions, simplifying rational and exponential expressions and complex numbers. There are statement problems dealing with the above topics. The successful completion of Algebra 1 is a prerequisite for Algebra 2 A.

**321 Algebra 2 A (11<sup>th</sup> Grade)**

**1 Credit**

This course is a review of the arithmetic axioms, solving equations with 1, 2, and 3 variables, solving quadratic equations, identifying relations and functions, graphing linear functions, quadratic relations and functions, simplifying rational and exponential expressions and complex numbers. There are statement problems dealing with the above topics. The successful completion of Algebra 1 is a prerequisite for Algebra 2 A.

**349 Algebra 2 B (Tech Prep)**

**1 Credit**

This course is designed for students who have successfully completed Algebra 1 B and Geometry B. This course includes the following topics: solving linear algebraic equations, substitutions, inequalities, quadratic equations, algebraic fractions, radicals, graphing, exponents, factorials and proportions.

**340 Geometry A**

**1 Credit**

This class will involve deductive reasoning, basic terms, triangles, congruence of figures, constructions, relationship between sides and angles of triangles, similar figures, properties of right triangles, properties of parallel lines, quadrilaterals, transformations, symmetry, isometrics, -area, properties of circles, angle-arc relationships, volumes, and analytic geometry. The successful completion of Algebra 1 A is a prerequisite for Geometry A.

**341 Geometry B (Tech Prep)**

**1 Credit**

This course will take a close look at the many geometric concepts. Concepts that will be discussed include: Points, lines and angles; Geometric proofs; Parallel lines and their properties; Properties of Triangles, quadrilaterals, circles and spheres; Transformations; Proportions and similarity; Perimeter, area and volume. Connecting these concepts with algebraic concepts, students will facilitate a deeper understanding of geometry. Successful completion of Algebra 1 A or Algebra 1 B is a prerequisite for Geometry B.

**361 Trigonometry****1 Credit**

This course is a thorough study of the trigonometric functions. The study will include the basic properties of the trigonometric functions, finding trigonometric values, proving identities, and working with the inverses of the trigonometric functions. Also included will be the study of Circular Functions, Vectors, Complex Number, and Polar and Parametric Equations. The successful completion of Algebra 2 and Geometry are required.

**362 Calculus****1 Credit**

This course is an introduction into calculus. The course will include a thorough study of differentiation and its application, including rates of change and limits. Also included will be the topics of exponential and logarithmic functions, and integration. The successful completion of Trigonometry is a prerequisite for Calculus. Can be taken as college credit through Mount Aloysius College

**363 Algebra 3****1 Credit**

Change name of class from Math 12 to Algebra 3 This course is for seniors who have successfully completed Algebra 2 A or Trigonometry in their junior year It includes a study of real numbers, linear equations and inequalities, systems of linear equations, exponents and polynomials, quadratic equations and functions and logarithmic functions. Additional topics to be addressed could include budgeting, banking, understanding interest and service fees and investments. This course will prepare students for a two-year technical school and/or a non-math/science related major in a 4 (four) year program

**364 Math 12****1Credit**

This course is for seniors who have successfully completed Algebra 2B their junior year. It includes a study of Gross Pay, Net Pay, Banking, understanding credit card and loans costs, insurance and investments, and understanding a monthly budget and personal expenses. Activities and projects will include real life applications of mathematics i.e. roofing a house. This course will prepare students who plan on getting a job immediately after high school

**351 SAT Prep Math****.5 Credit**

This course is for preparation to take the SAT. It is offered in conjunction with SAT Verbal Preparation. The course will review topics from Algebra and Geometry as well as provide practice taking the types of mathematics questions that appear on the SAT.

**907 Math for Success 7****1 Credit**

This course is designed for seventh grade students who have been identified as performing at the basic or the below basic level on either the PSSA's or have not demonstrated growth using the 4Sight assessment, comparing the fall baseline score to the final spring assessment. The topics in this course will include addition, subtraction, multiplication, and division of whole numbers, decimals, fractions, number theory, ratio, proportions, and percents, basic algebra and geometry, systems of measurement, statistics and probability, problem solving in all of the above topics. Students will be presented with a systematic approach for successfully answering open ended questions as seen on the 4Sight assessment and the PSSA's. Demonstrated performance and growth at the end of one year, using the PSSA's and/or 4Sight assessment, will be used

in determining if the student will be scheduled for Math for Success the following school year.

### **908 Math for Success 8**

**1 Credit**

This course is designed for eighth grade students who have been identified as performing at the basic or the below basic level on either the PSSA's or have not demonstrated growth using the 4Sight assessment, comparing the fall baseline score to the final spring assessment. The topics in this course will include addition, subtraction, multiplication, and division of whole numbers, decimals, fractions, number theory, ratio, proportions, and percents, basic algebra and geometry, systems of measurement, statistics and probability, problem solving in all of the above topics. Students will be presented with a systematic approach for successfully answering open ended questions as seen on the 4Sight assessment and the PSSA's. Demonstrated performance and growth at the end of one year, using the PSSA's and/or 4Sight assessment, will be used in determining if the student will be scheduled for Math for Success the following school year.

### **909 Math for Success 9**

**1 Credit**

This course is designed for ninth grade students who have been identified as performing at the basic or the below basic level on either the PSSA's or have not demonstrated growth using the 4Sight assessment, comparing the fall baseline score to the final spring assessment. The topics in this course will include reading, writing, and discussing algebra using fitting symbols and language; adding, subtracting, multiplying and dividing real numbers; transforming equations using addition, subtraction, multiplication, and division; using properties of exponents; adding, subtracting, multiplying, and dividing polynomials; graphing in a coordinate system; working with the slope of a line, using graphing, substitution, and addition – or subtraction to solve systems of linear equations; and using the concepts of algebra to solve motion, mixing, work and other kinds of word problems. Students will be presented with a systematic approach for successfully answering open ended questions as seen on the 4Sight assessment and the PSSA's. Demonstrated performance and growth at the end of one year, using the PSSA's and/or 4Sight assessment, will be used in determining if the student will be scheduled for Math for Success the following school year.

### **910 Math for Success 10**

**1 Credit**

This course is designed for tenth grade students who have been identified as performing at the basic or below basic level on either the PSSA's or have not demonstrated growth using the 4Site assessment, comparing the fall baseline score to the final spring assessment. The topics in this course will include reading, writing, and discussing algebra using fitting symbols and language; adding, subtracting, multiplying and dividing polynomials; graphing in a coordinate system; working with the slope of a line, using graphing, substitution, and addition – or subtraction to solve systems of linear equations; and using the concepts of algebra to solve motion, mixing, work and other kinds of word problems. Students will be presented with a systematic approach for successfully answering open ended questions as seen on the 4Site assessment and the PSSA's. Demonstrated performance and growth at the end of one year, using the PSSA's and/or 4Site assessment, will be used in determining if the student will be scheduled for Math for Success the following school year.

### **311 PSSA Prep 11**



This course is designed for **all** 11th grade students (*except CCCTC students*) in preparation for the 11th grade PSSA Test. The topics in this course will include solving linear equations, substituting, inequalities, quadratic equations, algebraic fractions, radicals, graphing, exponents, factorials and proportions. Students will be presented with a systematic approach for successfully answering open-ended questions as seen on the 4site assessment and the PSSA test.

**912 Math for Success 12**

**1 Credit**

This course is designed for twelfth grade students who have been identified as performing at the basic or the below basic level on either the PSSA's or have not demonstrated growth using the 4Sight assessment, comparing the fall baseline score to the final spring assessment.

The topics in this course will include solving linear algebraic equations, substituting, inequalities, quadratic equations, algebraic fractions, radicals, graphing, exponents, factorials, and proportions. Students will be presented with a systematic approach for successfully answering open ended questions as seen on the 4Sight assessment and the PSSA's. Demonstrated performance and growth at the end of one year, using the PSSA's and/or 4Sight assessment, will be used in determining if the student will be scheduled for Math for Success the following school year.

## **MUSIC**

**628 Music**

**.5 Credit**

This course is an introduction to instruments of the band and orchestra, music theory, history of music, and composers. The program will include the basics of reading music, exposure to music and composers of various styles, and projects designed to enhance creativity. This course is for 8<sup>th</sup> graders.

**627 7th and 8th Grade Band**

**.6 Credit**

This is open to eligible 7th and 8th grade students who are instrumental students. The band performs 2 concerts, one at Christmas time and one in the spring. Students have 7th and 8th Grade Band for the entire year. Participation in County Band and Jazz Band are other options students may elect. Students may participate in Marching Band at the end of their 7<sup>th</sup> grade year.

**637 7th and 8th Grade Chorus**

**.4 Credit**

This is open to all 7th and 8th grade students. Students have 7th and 8th Grade Chorus scheduled for the entire year. Performances include Christmas Concert, Spring Concert, and graduation exercises.

**639 Senior High Chorus**

**.4 Credit**

This is open for ninth, tenth, eleventh, and twelfth grade students. Music of all periods is used. Rehearsals may be called after school. Students have Senior High Chorus 639 scheduled two periods per week for the entire year. Performances include a Christmas Concert, Spring Concert, graduation exercises as well as additional performances; students in grades 10-12 may elect to attend County Chorus and District Chorus (pending selection and P.M.E.A. guidelines).

Concert, Spring Concert and graduation exercises, as well as any additional performances. Students in grades 10-12 may elect to attend County Chorus and PMEA Festivals. (pending selections and PMEA guidelines)

**629 Senior High Band**

**.6 Credit**

This is open to ninth, tenth, eleventh, and twelfth grade students. The band functions as a marching band during the football season and a concert band for the remainder of the year. The band is also active during the summer months as a marching unit. Students have Senior High Band 629 scheduled three periods per week for the entire year. Participation in District Band (through selection and P.M.E.A. guidelines), County Band, and Jazz Band is optional. Performances include the Christmas Concert and Spring Concert.

**631 Music Theory/Appreciation**

**1 Credit**

This course is intended for 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade students. For the first half year the students will study various time periods up to, and including the present time. Students will also be introduced to Society's philosophical beliefs and how music reflects and is affected by them. The second half of the year students will learn Music Theory concepts which include Scale and Chord Construction, Sight-singing, basic composition and analysis, rhythmic and melodic dictation, transpositions, basic conducting and arranging. Student will be scheduled five (5) times per week for the entire year

**645 Jazz Band**

**.5 Credit**

This course is designed to give aspiring instrumentalists an opportunity to explore the truly American Music Form of Jazz. Open to ALL students in grades 9-12, Jazz Band will provide the opportunity to explore and perform various styles of Jazz Music ranging from the early 1900's; through the Big Band Sounds of the 30's and 40's; through the modern sounds of today's pop tunes. Traditional band instruments will be used along with drum set, electronic piano, electric guitar and bass guitar. Jazz Band will meet five times per week for one semester. Teacher recommendation required.

**630 Knight's Select Chorus**

**1 Credit**

This course is an elective course for tenth, eleventh and twelfth grade students. This chorus is a select group of students chosen on an ability basis. Students will have this course five periods a week for the entire year. Students will be challenged with difficult music selections to include a cappella singing. Performances include Christmas Concert, Spring Concert and graduation exercises. Teacher recommendation required.

**PHYSICAL EDUCATION, HEALTH AND SAFETY**

**707 Physical Education**

**.5 Credit**

This course consists of fundamental skills of indoor soccer, floor hockey, basketball, football, speedball and volleyball. Physical fitness with recreational team games such as softball, angleball, ultimate Frisbee, Frisbee golf, track events. Students have Physical Education 707 scheduled five periods a week for one semester.

**708 Physical Education****.5 Credit**

This course consists of intermediate level skills of soccer, basketball, volleyball, physical fitness and recreational team games such as softball, boundball, football, speedball, angleball, track events and crab soccer. Dance and units of Wellness and Fitness (up to 4 per year) are included. Students have Physical Education 708 scheduled five periods a week for one semester.

**709 Physical Education****.5 Credit**

This course is a further sharpening of skills in soccer, speedball, basketball, angleball, ultimate Frisbee, Frisbee golf; football, volleyball, physical fitness, recreational team games, softball, and handball. Students have Physical Education 709 scheduled five periods a week for one semester.

**710 Physical Education****.5 Credit**

These are co-educational classes consisting of speedball, boundball, handball, table tennis, tennis, bowling, basketball, coed volleyball, floor hockey, football skills, physical fitness, coed recreational team games, and coed softball, depending upon class size. Dance and units of Wellness and Fitness (up to 4 per year) are included. Students have Physical Education 710 scheduled five periods a week for one semester.

**711 Physical Education****.5 Credit**

These are co-educational classes consisting of some self-organization on the part of the students in basketball, angleball, ultimate Frisbee, Frisbee golf, speedball, handball, bowling, physical fitness, softball, football skills, indoor soccer, and floor hockey. Students have Physical Education 711 scheduled five periods a week for one semester.

**712 Physical Education****.5 Credit**

These are co-educational classes consisting of basketball, volleyball, physical fitness, recreational team games, weight training, conditioning. Dance and units of Wellness and Fitness (up to 4 per year), aerobics/slimnastics, track events, football, floor hockey, soccer, field hockey, bowling, tennis, table tennis, handball, and boundball are refined and polished. Students have Physical Education 712 scheduled five periods a week for one semester.

**721 Advanced Physical Education****.5 Credit**

This is a class for 12<sup>th</sup> grade students who are interested in learning about different lifetime sports, along with different team sports which are not covered in regular physical education classes. Computer research, individual presentations, class projects, and an in-depth study of rules will be part of the class, along with the participation in these activities. Also, we will be working on increasing our total fitness levels by using the weight room (lifting, cardio, p90x, circuit training, etc.). To be eligible, a student must have earned at least a 90% average or higher in all of their high school physical education classes and get approval by the instructor.

**713 Personal Wellness****.5 Credit**

This semester elective course will focus on Personal Wellness and the development of your own personalized Wellness Plan. The class is offered to any student grades 10-12. Students will explore in depth the health related and skill related components of fitness. Cardiovascular endurance, muscular endurance, muscular strength, body composition and flexibility will be the cornerstones of these individualized plans. The course will have both classroom and lab activities and is intended for the physical

education student who is interested in personal wellness. Students will have Personal Wellness scheduled five periods a week for one semester.

**737 Health**

**.5 Credit**

Students are scheduled five periods per week for one semester. The course covers the areas of mental health, including self-concept, decision-making, stress and disorders, body systems, nutrition, and first-aid. Information on HIV/AIDS, drugs, alcohol and tobacco will also be presented. A notebook will be required.

**739 Health**

**.5 Credit**

Students are scheduled five periods per week for one semester. The course will cover body systems, mental health, including stress management skills, suicide prevention, emergency care, nutrition and first aid. Also, a unit on HIV/AIDS, drugs, alcohol and tobacco will be presented. A notebook will be required. This course is required for 9<sup>th</sup> grade students.

**740 Traffic Safety**

**.3 Credit**

Traffic Safety is a theory course in the safe operation of an automobile. It is designed to give students a background in developing proper attitudes and habits necessary to insure intelligent, safe use of an automobile. The classroom materials include the textbook, "Responsible Driving", films on safe driving practices and the PA Driver's Manual. Students have Traffic Safety scheduled three periods per week for one semester.

**SCIENCE**

**407 Life Science**

**1 Credit**

This course is designed to give seventh grade students an introduction to the basic concepts and techniques in Life Science. Emphasis is placed on the ascending complexity of living things and the relationship of living things to each other and to their environment. Various topics include: organization of living things, plants, animals, and genetics.

**408 Physical Science**

**1 Credit**

This course is designed to expose eighth grade students to the basic concepts and techniques in physical science. Various topics include: the metric system, atoms and molecules, matter, energy - mechanical, heat, electrical, waves (light and sound). These topics are presented in a manner that requires a greater use of mathematics and problem solving.

**409 Introduction to Environmental Science/General Science** **1 Credit**

This course is divided into one-half year segments with one-half dealing with the scientific introduction to the world around us with emphasis on the study of human interactions to the environment. The other half of the course deals with the general principles of science such as general principles of chemistry, problem solving, and views of the earth.

**410 Biology**

**1 Credit**

This course is designed as an introduction to the science of biology. The material is structured around a series of major themes - science as investigation and inquiry, the

history of biological concepts, coexistence of organism and environment, regulation and homeostasis, and the biological basis for behavior. These themes are interwoven, starting on the molecular level and extending to all living organisms. The course is designed in such a way as to meet the needs and interests of the college prep student.

#### **420 Biological Science**

**1 Credit**

This course is an introduction to the science of biology. The course is designed to meet the needs and interests of the tech prep student. The material is structured around a series of major themes – science as investigation; the history of biological concepts; coexistence of organisms and environment; and regulation and homeostasis. These themes are interwoven, starting on the molecular level and extending to all living organisms, especially emphasizing the animal kingdom.

#### **431 Academic Chemistry**

**1 Credit**

This course is designed to provide a fundamental background of chemical principles. Theoretical aspects will be explored as appropriate to the topic under consideration. Both experimental and laboratory work will be conducted as time permits. The pre-requisite for this course is Algebra I1 A or Algebra II B and recommendation from Algebra II teacher. Can be taken as college credit through Mount Aloysius College or St. Francis University

#### **421 Applied Chemistry**

**1 Credit**

The Applied Chemistry course at Moshannon Valley High School will prepare students for a very basic background in Chemistry. The course will provide opportunities for students to communicate an understanding of chemistry through some laboratory investigations, exploration of concepts, critical thinking exercises, and mathematical problem-solving. Concepts covered in the course include the following: measurement, atomic structure, periodic table and trends, chemical formulas, chemical reactions, chemical bonding, and acids and bases. Laboratory work will allow students to observe, make predictions, collect data, analyze, make inferences and communicate results through various methods (summaries, oral presentations, tables, graphs, charts, and diagrams).

#### **411 Applied Science**

**1 Credit**

This course is for seniors only. It is a course that is primarily project based. Students will study rocks and minerals, energy sources, recycling, basic biology (plants and animals), general physics and more. The course is a general science course so it will cover a wide range of topics. Students will make posters, give speeches, create power points, create and conduct surveys, and write lab reports.

#### **432 Physics**

**1 Credit**

This is a "modern" physics class following somewhat traditional format. The areas of student investigation include the science of measurement, force and motion, heat and energy, physical optics and electricity and magnetism. The course is essentially a college preparatory course for students pursuing careers in science, engineering or similarly related fields. The pre-requisite is Trigonometry 361, which may be taken concurrently and 431 Academic Chemistry. Can be taken as college credit through Mount Aloysius College pending approval

**451 Advanced Environmental Science****1 Credit**

This course is designed to be a full year environmental science program. Students will be introduced to the importance of man in the environment, the way our earth is affected by man. Topics include water quality, soil assessment, toxic wastes, and wildlife. Academic Chemistry 431 is recommended.

**452 Advanced Biology****.5 Credit**

This course is designed as an elective for senior students planning to major in science or science-related fields. It is especially geared toward students entering health fields. The first 2/3rds of the course covers cells, tissues and body systems. Emphasis is on relationships of structure to function. A cat dissection culminates the last 9 weeks. Students will do an independent research paper on a human health issue. Students taking this course must have maintained an 80% average in Biology 410.

**462 Advanced Chemistry****.5 Credit**

Advanced Chemistry is a course used to introduce both the qualitative and quantitative aspects of the factors affecting rates of chemical reactions. The three classes of electrolytes - acids, bases, and salts are discussed with an emphasis of their behavior in water solution. Electron transfer reactions are used to develop an understanding of electrochemistry and its applications. The pre-requisite for this course is an average of 80% in Academic Chemistry 431.

**419 Introduction to Bio-technology****1 Credit**

This high school elective for 10<sup>th</sup> – 12<sup>th</sup> graders will explore the technologies related to biotechnology. Various areas including agriculture science, waste management, ergonomics, medical advancements and their impacts on society will be explored. This is a hands-on course that will implement problem-solving, prototype development and real-world applications.

**SOCIAL STUDIES****207 World History****1 Credit**

This is an introductory course that examines various ancient and modern civilizations and societies. After starting with primitive people's rise to dominance, the course will trace the development of important events as well as the everyday lives of common people in ancient, medieval and early modern cultures. The course will stress the concept of making meaningful connections from modern US society to the cultures studied.

This World History course well integrates reading and a variety of writing skills as well as mapping and geographic concepts. Environmental impacts, the development of technology, religious ideas, and alternate math systems are also integrated into the course material. Class activities are diversified to include writing samples, decision-making skills, role playing, small group research, media presentations and partnership activities in order to make historical development become relevant and purposeful to middle school age children.

**208 Civics****.5 Credit**

This course is designed to give 8th grade students an opportunity to study the principles of American government. Topics to be addressed are citizenship, voting, federalism, Congress, the Presidency, the court system and individual rights and freedoms. Reading and writing skills will be stressed in this course. This course is taught for one semester.

### **218 World Geography**

**.5 Credit**

This course is designed to give 8th grade students an interesting overview of the major continental regions of the Earth. Topics to be addressed are map skills, the Earth, climate, natural resources and population. The physical and cultural geography of various countries are also discussed. Reading and writing skills will be stressed in this course. This course is taught for one semester.

### **228 Career Exploration**

**.5 Credit**

This course is designed to help 8<sup>th</sup> grade students identify interests and select career clusters or pathways that correlate to those interests. Students will organize and plan tentative high school programs based on career interests. Students will explore various careers of interest by using resource materials available in the school, including the Choices software program. This course meets five days a week for one semester.

### **209 U.S. History I**

**1 Credit**

This course is a survey of the major social, political, and economic events which have occurred in the United States. It begins with the discovery of America, including the colonization by England, the creation of a new nation and its expansion across North America, and continues through the aftermath of the Civil War. Major emphasis is placed upon the study of the period from the founding of Jamestown in 1607 to the post-Civil War reconstruction period.

### **210 U.S. History II**

**1 Credit**

This course is a survey of our American heritage with particular emphasis on the period after the reconstruction period to the present. A student may expect to explore political, economic, social, and cultural factors in America's development, emphasizing the impact of Nationalism and Sectionalism, the emergence of an urban industrial society, expanding the role of government, and increasing involvement in world affairs.

### **211 World Studies**

**1 Credit**

The senior high World Studies, and integrated language course, will examine and analyze the major influences on our society since the time of the European Renaissance in the 1400's. The foundations of democracy, self-determination, human rights and freedom, individual dignity with a common purpose; all known as "Western values", will be studied as they were sometimes masterfully used and tragically abused. Individual and partnership research activities, visuals, writing and mapping are some of the usual class activities. The impact of the related events on common people as well as the major players in the units of study will be stressed. This course fulfills the eleventh grade history requirement.

### **212 Government/Economics**

**1 Credit**

The purpose of the one semester Government Course will be to give students an in-depth understanding of government. This course will deal with the structure of the United States Government and compare it to other governments throughout the world. The objectives of the one semester Economics Course will be responsible citizenship

and economic decision-making. This course will deal with the kinds of economic issues and questions high school graduates will face as adults. Some general concerns will be the role of prices in a market economy and the role of government. **202 Government**  
**This course is intended for CCCTC and transfer students only.** The purpose of the one semester Government Course will be to give students an in-depth understanding of government. This course will deal with the structure of the United States Government and compare it to other governments throughout the world.

### **222 Economics**

**.5 Credit**

**This course is intended for CCCTC and transfer students only.** The objectives of the one semester Economics Course will be responsible citizenship and economic decision-making. This course will deal with the kinds of economic issues and questions high school graduates will face as adults. Some general concerns will be the role of prices in a market economy and the role of government.

### **244 Psychology 1**

**1 Credit**

The purpose of this elective course for seniors will be to give students a better understanding of themselves and others. This course will attempt to explain why people behave, feel and think as they do. This course will also explore ways in which people can improve their quality of life. While exploring behavior this course will describe the relationship between psychology, physics, chemistry, biology, anthropology, and sociology.

### **242 Sociology**

**.5 Credit**

This elective course is open to seniors only. It is designed to give students the opportunity to study our society and how it affects us. This class will explain how and why groups act, and how groups influence individual's behaviors.

## **TECHNOLOGY EDUCATION**

**NOTE: All students taking Technology Education are expected to purchase all materials or material kits that are used in the construction of their projects.**

### **567 Introduction to Technology Education**

**.5 Credit**

Introduction to Technology Education is an exploratory course in the three main areas of Technology: biotechnologies, information technology and physical technology. Students will explore, define and apply technology within various applications. Students will work individually and in groups to develop solutions to real-world technological problems through hands-on work. Emphasis will be placed on designing, evaluating and communicating these solutions. Students will also explore both the positive and negative aspects of technology. This is a required course for all eighth graders.

### **570 Manufacturing and Construction**

**1 Credit**

This course will explore the basic tools, materials, and processes used in the workplace. Introductory level woodworking and metalworking will be visited. Small projects will be used as a means of instruction. This course is a prerequisite for Manufacturing and Construction II or III.

### **571 Manufacturing and Construction II**

**1 Credit**



This course takes a more in-depth look at the tools, materials, and processes of manufacturing and construction. Advanced equipment and techniques will be used as well as a look at possible careers. This course is a prerequisite to Manufacturing and Construction III.

### **572 Manufacturing and Construction III**

**1 Credit**

This course is designed for the student to develop projects to be produced using any materials that are appropriate and available. The student should rely on techniques learned in Manufacturing and Construction I and II to produce the project with instructor assistance when necessary. Research, design, craftsmanship, safety, and level of participation will be the basis for the student's grades.

### **576 Home Repair and Maintenance**

**.5 Credit**

This full year course is designed for tenth, eleventh and twelfth grade students who are interested in home repair and maintenance. Students will learn basic information needed to understand and use hand tools, power tools and assorted building materials for the repair and maintenance of the home. Proper maintenance of all housing systems is stressed to prevent costly repairs in the future. Students must successfully complete Manufacturing and Construction I before scheduling this course.

### **578 Robotics**

**1 Credit**

This course provides a basic but broad introduction to the field of robotics technology. Students master the fundamentals of robotics and the engineering design process while learning to use Autodesk® Inventor® design software and the VEX Robotics Design System. The laboratory component features basic activities to solidify lecture concepts and team-oriented, hands-on projects to solve basic robotics problems. Students will be exposed to the many facets of robotics including material from computer, electrical, and mechanical disciplines and will be better prepared for college and careers in engineering, design, and robotics.

### **579 Parametric Solid Modeling**

**1 Credit**

This course provides resources for an introductory course in engineering design. The course reviews design principles, creating sketches using pencil and paper and AutoCAD®, solid modeling using Autodesk® Inventor Professional and visualization using Autodesk® 3ds Max Design.

## **AIDE COURSES**

**Seniors only may schedule only one aide course per year. Students will be scheduled five days per week for one semester for .5 credit or five days a week for two semesters for 1 credit. Students will be graded pass/fail. Teacher approval is required.**

### **502/552 Technology Education Lab Aide**

**.5-1 Credit**

This course is designed as an elective for seniors who exhibit an interest in pursuing a career in technology education or a related field. The course should enhance the student's knowledge of technology education by aiding the instructor in various activities. Students must have approval from the technology education teacher to enroll in this course.

**162/172 Library Aide****.5-1 Credit**

This course is designed to enhance student library knowledge by aiding the librarian in library procedures. Students must have approval from the librarian to enroll in this course.

**632/642 Music Aide****.5-1 credit**

This course is designed to enhance student music knowledge by aiding the band and /or choral director in various activities. This course is intended for current band and /or chorus students. Students must have approval from the Music Department to enroll in this course.

**682/692 Guidance Aide****.5-1 Credit**

Written permission by the guidance counselor is required before scheduling this course. Students' main responsibility will be tutoring others students as assigned. In addition, students run errands for office staff, help with clerical and organizational tasks, and assist in monitoring guidance library materials.

**252/262 Social Studies Aide****.5-1 Credit**

This course is designed as an elective for juniors and seniors who exhibit a strong interest in pursuing a career in social studies education or a related field. The course should enhance the student's knowledge of social studies by aiding the teacher in various classroom activities. The student will also do research and develop a lesson plan that can be used in the classroom setting.

**592 Video Production Aide****1 Credit**

This year long course is designed as an elective for seniors who have passed Introduction to Computer Applications and Video Production. Students must have shown the initiative, technical skills, maturity and time management traits to be able to help students taking the Video Production course. Class time will be scheduled with the Video Production students. Students taking this course will split their time between helping set up the classroom and assisting students in the Video Production course. Only one or two students will be selected. Final enrollment is based upon approval of the instructor.

**617-618 Art Aid****.5 or 1 Credit**

Students interested in being an Art Aide must be interested in pursuing a career in the field of art. Art Aides will be responsible for helping to prep for projects and will have responsibilities such as helping to process clay, firing the kiln, mixing paint, checking supplies that need to be replenished or replaced, taking photography of students artwork and updating online gallery, and hanging artwork in the halls. Students interested in being an art aide will need to receive a signed confirmation from the art instructor prior to completion of course selections. Only one art aide per school year will be accepted.

It is the policy of the school district that educational programs are provided without discrimination on the basis of race, sex, color, religion, or national origin.

The Moshannon Valley School District is an equal opportunity institution and will not discriminate on the basis of race, color, national origin, sex or handicap in its activities, programs, or employment practices as required by Title VI, Title IX and Section 504.