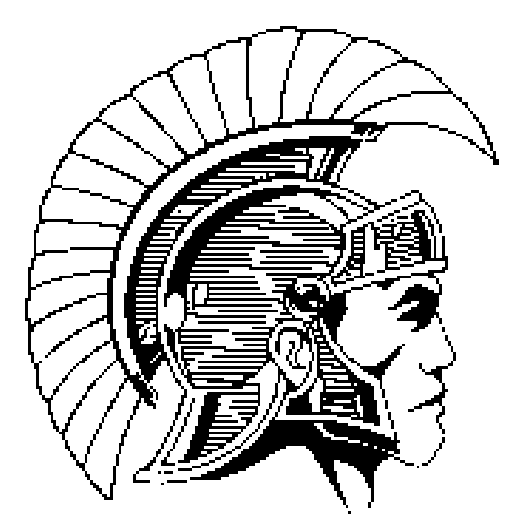


# SOMERSET SENIOR HIGH SCHOOL



## 2015-2016 COURSE OFFERING

STUDENT NAME \_\_\_\_\_ 2015-2016  
GRADE \_\_\_\_\_



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# Career Clusters™

What do you want to be when you grow up?

The National Association of State Directors of Career Technical Education Consortium (NASDCTE) has identified the following **16 Career Clusters**, representing more than 79 Career Pathways to help students navigate their way to greater success in college and careers.

## **Agriculture, Food & Natural Resources**

*The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.*

## **Architecture & Construction**

*Careers in designing, planning, managing, building and maintaining the built environment.*

## **Arts, A/V Technology & Communications**

*Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.*

## **Business Management & Administration**

*Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.*

## **Education & Training**

*Planning, managing and providing education and training services, and related learning support services such as administration, teaching/training, administrative support, and professional support services.*

## **Finance**

*Planning and related services for financial and investment planning, banking, insurance, and business financial management.*

## **Government & Public Administration**

*Planning and executing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.*

## **Health Science**

*Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.*

## **Hospitality & Tourism**

*Preparing individuals for employment in career pathways that relate to families and human needs such as restaurant and food/beverage services, lodging, travel and tourism, recreation, amusement and attractions.*

**Human Services**

*Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.*

**Information Technology**

*Building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.*

**Law, Public Safety, Corrections & Security**

*Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.*

**Manufacturing**

*Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.*

**Marketing**

*Planning, managing, and performing marketing activities to reach organizational objectives such as brand management, professional sales, merchandising, marketing communications and market research.*

**Science, Technology, Engineering & Mathematics**

*Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.*

**Transportation, Distribution & Logistics**

*The planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.*

Source: © 2012 National Association of State Directors of Career Technical Education Consortium

**Use this space to identify 3 Career Clusters that are most interesting to you:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

For details on how to use the Career Clusters, Career Pathways and Programs of Study to create your high school course plan, see a guidance counselor and/or the Career Information section of the Somerset High School webpage: <http://www.somerset.k12.wi.us/high/>.

# FOUR-YEAR PLAN

Name \_\_\_\_\_

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

9 <sup>th</sup> Grade			10 <sup>th</sup> Grade			11 <sup>th</sup> Grade			12 <sup>th</sup> Grade		
# of Credits	Course Title	Number	# of Credits	Course Title	Number	# of Credits	Course Title	Number	# of Credits	Course Title	Number
1	English 9/ Honors English 9	H1305/2305 H1300/2300	1	English 10/ Honors English 10	H1315/2315 H1310/2310	1	English 11/AP Lang & Comp/AP Lit & Comp	H1320/2320 H1382/2382 H1380/2380	1	English 12/ AP Lang & Comp/ AP Lit & Comp	H____/____ H1382/2382 H1380/2380
1	Modern Hist	H1653/2653	1	Am History/ AP U.S. History	H1610/2610 H1680/2680	1	Am History 11	H1620/2620	.5	Social Elec	H____
1	Science 9	H1500/2500	1	Biology	H1515/2515	1	Science	H____			
1	Math	H____	1	Math	H____	1	Math	H____			
.5	Phy. Ed 9	H805	.5	Phy. Ed 10	H810		Phy. Ed 11	H820			
			.5	Health	H760				.5	Consumer Ed	H780

**Each school year each student needs to choose a minimum of 7 credits of classes.**

- Grade 9 has 4.5 credits of classes required with a minimum of 1 credit of a Math of your choice. Reading is required if not waived. Also Health may be a choice in grade 9 but needs to be completed before the end of grade 10. Honors English 9 may be taken in lieu of English 9.
- Grade 10 has 5 credits of classes required with a minimum of 1 credit of a Math of your choice. Health is to be chosen if not taken in grade 9. If Reading is not waived then it is required either 9<sup>th</sup> or by the end of 10<sup>th</sup> grade. Honors English 10 may be taken in lieu of English 10. AP U. S. History may be taken in lieu of American History.
- Grade 11 has 2.5 credits of classes required with a minimum of 1 credit of Science and 1 credit of Math, and Electives according to post-secondary needs. AP Language & Composition or AP Literature & Composition may be taken in lieu of English 11.
- Grade 12 has 2 credits of classes required with a minimum of 1 credit of English 12 or AP Language & Composition or AP Literature & Composition and .5credit of Social Studies Elective. Students may choose Social Studies, Science, Math, and Electives according to post-secondary needs.
- All course requests should align with the student’s preferred Career Pathway and Program of Study. For more information, visit [www.wicareerpathways.org](http://www.wicareerpathways.org).

## **PRE-REGISTRATION PROCEDURES**

As we pre-register, students should follow this step-by-step procedure to indicate which classes they plan to take. The pre-registration will help us plan which classes should be offered, so it is very important that students submit a complete pre-registration form.

Refer to the graduation requirements listed in the front of the course offering booklet to make sure that you are completing the classes you need for graduation. When you are making your plan for next year, select the required classes that you need first. When you select elective courses, make sure that you have met the pre-requisites for that course. Referring to your four-year plan will help you to choose classes. Please read the descriptions of the classes in the Course Offering booklet carefully.

## **GRADUATION REQUIREMENTS**

Graduation requirements for Somerset Senior High students are:

4	Credits	English
3	Credits	Social Studies
3	Credits	Mathematics
3	Credit	Science (must include Science 9 and Biology)
1.5	Credits	Physical Education
.5	Credit	Health
.5	Credit	Consumer Education
.5	Credit	Reading (or meet waived recommendation)
<hr/>		
16	Credits	Total Required
9.5	Credits	Total Electives (Class of 2016)
8.0	Credits	Total Electives (Class of 2017)
6.0	Credits	Total Electives (All Other Classes)
<hr/>		

## **NON-DISCRIMINATION**

The Somerset School District is committed to a policy of nondiscrimination in relation to race, religion, sex or sexual orientation, age, national origin, handicap, ancestry, color or any other reason prohibited by state or federal law. This policy will prevail in all matters concerning staff, students, and individuals with whom the board does business.

In keeping with the requirements of federal and state law, the Somerset School District shall strive to remove any vestige of discrimination in employment, assignment and promotion of personnel; in educational opportunities and services offered students, in their assignment to schools and classes, and in their discipline; in location and use of facilities; and in educational offerings and material.

## **READING AS A GRADUATION REQUIREMENT (IKF)**

A reading class will be required of all Somerset High School students as a requirement to graduate unless the student scores at the 50<sup>th</sup> percentile or above on a state and/or nationally accredited standardized reading exam. Students who enroll in the Somerset School District having no standardized reading test results from their 8<sup>th</sup> through 12<sup>th</sup> school years will be assessed by the district to determine their reading proficiency. Students who believe the above requirements should be waived for conditions other than those noted above may petition the high school principal for further consideration.

## **WEIGHTED COURSES**

In 1988 the Somerset School District adopted a weighted course program. This program recognized the advanced nature of certain courses that extend college level work and educational experiences for high school students. Students who earn a grade of: "A," "B," or "C" in a weighted course will earn weighted grade status, which means that a student earning a grade of "C" will in actuality earn a "B" on his/her grade point average. A grade of "D" or "F" will not become a weighted grade. Students enrolled in weighted courses will receive a notice of this on their school transcript.

The weighted course entrance guidelines are:

1. Earned grade of "A" or "B" in the subject area course already taken by the student for the particular weighted course.
2. Recommendation of the guidance counselor.
3. Recommendation of the instructor of the weighted course.
4. If a student does not meet the first three requirements, a conference may be held with the student, parent or guardian, guidance counselor, course instructor and if student requests, a teacher advocate to discuss the student's admission to the course.

Courses approved by the Somerset School Board as meeting the criteria for the weighted course program are:

Advanced Placement Biology  
Advanced Placement English Literature & Composition  
Advanced Placement Language & Composition  
Advanced Placement Macroeconomics  
Advanced Placement Microeconomics  
Advanced Placement Psychology  
Advanced Placement U. S. History

Any Wisconsin Virtual School Advanced Placement course will also earn a weighted grade. In addition, courses completed in the International Baccalaureate program will earn a weighted grade.

## **COURSE AUDITING**

Grade 11 and Grade 12 students will be allowed to audit courses in accordance with specific administrative guidelines.

A student must have earned 12 credits at the end of his/her sophomore year in order to exercise this privilege in the junior year and earned 18 credits after his/her junior year in order to audit a course in grade 12.

All school course and credit requirements remain unchanged and take priority over auditing a course. The student must be enrolled in **four** classes for credit per 1 term.



Priority in class enrollment will be given to students taking a course for credit. A student must obtain the teacher's signature before auditing a class.

To remain in a class, an auditing student must participate in all class activities, turn in all assignments, and take all tests, even though no grade or credit will be awarded.

A student will be allowed to audit only two single 1- term courses (one each term), or one full 2-term course per school year. Arrangements to audit must be made at the time of registration.

### **DROPPED COURSE PROCEDURE**

When the student wishes to drop a course or courses, the following procedures must be followed:

The student will confer with the guidance counselor concerning the need to drop a particular course.

The guidance counselor will then confer with the student's teacher and the principal and all three must recommend that dropping the course is in the best interest of the student.

The guidance counselor will contact the student's parents.

If a student drops or is dropped from a class after the fifth day, no credit will be given for the course work completed.

### **INDEPENDENT STUDY PROGRAM**

The purpose of the independent study program is to enable students who have proven they can work independently to study courses they cannot pursue in the regular curriculum. The curriculum of these courses must be approved by the board of education.

#### **Guidelines**

The program is not meant for students who are behind in credits because of past failures.

Students may earn 1/2 credit per term for independent study courses. Upon completion of course assignments, tests, etc. credit will be given.

Opportunities may arise to participate in Internet, CD ROM courses, or AP courses on line if they become available. Enrollment in these courses may be accomplished only upon approval of the high school counselor and principal.

Final approval forms must carry the signatures of the student, the parent, the teacher, the principal, and the guidance counselor. The form must be filed with the guidance counselor along with a brief description of course content and expectation.

## COLLEGE RECOMMENDATIONS

The following courses are highly recommended for anyone who is planning to go to college.

- \*Advanced Placement Biology
- \*Advanced Placement English Literature & Composition
- \*Advanced Placement Language & Composition
- \*Advanced Placement Macroeconomics
- \*Advanced Placement Microeconomics
- \*Advanced Placement Psychology
- \*Advanced Placement U. S. History
- Advanced Reading
- Algebra I
- Algebra II
- Biology
- Calculus
- Pre-calculus
- Chemistry
- Computer Applications
- Foreign Language - 2 years
- Geometry
- Physics
- Trigonometry

\*Weighted Courses/Weighted Grading

## PLANNING FOR COLLEGE

College entrance requirements vary widely and range on a continuum from schools, which require only high school graduation to those that are extremely selective. Colleges in general base their admission decisions on the following criteria, listed in usual order of importance:

1. Rank in class (based on cumulative grade point average)
2. High school courses completed
3. Test scores

It is safe to generalize and say that, as colleges become more selective, they require higher class rank, higher test scores, and more academic high school courses in English, social studies, mathematics, science, and foreign language. It is wise for college-bound students to take as much math, science, and language as they can comfortably handle, while maintaining a strong class rank. Taking all academic courses without being able to learn the material adequately and maintain good rank is usually counter-productive. Moreover, many colleges are looking for students with a background in the arts and extra-curriculars, as well as in academics.

Following are selected examples of entrance requirements:

**Community and Technical College System** - Community colleges require high school graduation or the equivalent. They do not require specific class rank or test scores.

**Wisconsin State Universities** - Although each school differs slightly, rank in the upper 3/4 to 1/2 of the class is required. The Wisconsin Universities also have firmed up specific academic requirements. They suggest you confer with a counselor about specific requirements. College applications should be submitted to the college early in the fall of the senior year.

**Private Colleges** - Entrance requirements range from a class rank in the upper 2/3 with no course requirements for some schools to a class rank in the upper 10% with as many academic courses as a high school offers for Ivy League colleges. In many cases extracurricular activities are considered to be very important as well.

**Career Planning** - A well-rounded background including math, science and/or a foreign language is usually the best preparation for any career. Many resources are available in the library and the guidance office to help students explore career options.

## **THE YOUTH OPTIONS PROGRAM**

Wisconsin's Youth Options Program allows public high school juniors and seniors who meet certain requirements to take post-secondary courses at a UW institution, a Wisconsin technical college, or one of the state's participating private, non-profit institutions of higher education. Students may enroll to attend courses that begin the fall of 2006 (and in participating tribally controlled colleges). Approved courses can count toward high school graduation as well as for college credit.

The program (which replaces the previous Post-secondary Enrollment Options Program that began in the 1992-93 school year) opens the door to greater learning opportunities for motivated students who are considering a technical career, students wishing to begin college early, or students who want to prepare themselves to enter the workforce immediately after high school graduation.

Under Youth Options, a student will not have to pay for a college course if the school board determines that the course qualifies for high school credit and is not comparable to a course already offered in the school district (a technical college course can be comparable under some circumstances). If the school board approves the course, the student can receive both high school and college credit upon successful completion of the course. A student who successfully completes his or her high school graduation requirements will earn a high school diploma regardless of whether the requirements were met while attending the high school or a college.

Applications for enrollment for obtaining high school credit courses must be made by March 1 for the fall semester and by October 1 for courses to be taken during the spring semester. Pupils must notify the school board of their intention to participate in the program.

Additional information regarding the post-secondary enrollment options program is available from your high school counselor or principal.

## BUSINESS

<u>Code</u>	<u>Course</u>	<u>Credit</u>	<u>Gr. Level</u>	<u>Notes</u>
H10	Career Exploration	½ Credit	9 - 10	Elective
H12	Career Readiness	½ Credit	11-12	Elective
H1011/ H2011	*Business Communications	1 Credit	9 - 12	Elective
H13	*Microsoft Word	½ Credit	9 - 12	Elective
H17	*Spreadsheet Usage	½ Credit	9 - 12	Elective
H1020/ H2020	*Accounting I	1 Credit	10 - 12	Elective
H22	Accounting II	½ Credit	11 - 12	Elective
H28	Global Business/Gaming	½ Credit	10 – 12	Elective
H780	Consumer Education	½ Credit	12	Required
H32	Business Ownership/ Entrepreneurship	½ Credit	11 - 12	Elective
H34	*Principles of Marketing	½ Credit	10 - 12	Elective
H36	Law for Business Personal Use	½ Credit	10 - 12	Elective
H37	Marketing II	½ Credit	10 – 12	Elective
H470	Web Page Design	½ Credit	10 – 12	Elective

\*College credit possible with a “B” or better (WITC Transcript)

## **SUGGESTED GRADE LEVELS FOR COURSES**

<u>GRADE 9</u>	Career Exploration Business Communications
<u>GRADE 10</u>	Business Communications Microsoft Word Spreadsheet Usage Law for Business & Personal Use Web Page Design
<u>GRADE 11</u>	Microsoft Word Spreadsheet Usage Accounting I, II Business Ownership/Entrepreneurship Principles of Marketing Marketing II Law for Business & Personal Use Global Business/Gaming Web Page Design
<u>GRADE 12</u>	Career Readiness Accounting I, II Consumer Education Business Ownership/Entrepreneurship Principles of Marketing Marketing II Law for Business & Personal Use Global Business/Gaming Web Page Design

### **CAREER EXPLORATION (9-10) / CAREER READINESS (11-12)**

Code H10	Grades 9 - 10	½ Credit
Code H12	Grades 11 – 12	½ Credit
Elective		

Students study and explore various careers, pathways, success strategies, and trends in today's market place. Guided by WisCareers and the Occupational Outlook Handbook, students build a portable e-portfolio of career-seeking artifacts that include vocational and educational options after high school. The pathways they develop may lead them further into individually-based studies depending on their willingness to dig deep. They complete job applications, prepare cover letters and resumes, request letters of reference, etc., to prepare for the hiring process. Students develop good job search techniques and formulate a personal plan of action to get their desired job.

## **BUSINESS COMMUNICATIONS**

Code H1011/H2011    Grades 9 - 12                      1 Credit  
Elective

Students focus on effective listening, speaking, reading, and writing in life and at work. Learning is demonstrated individually and in groups through projects, case studies, technology, online forums, classroom discussion, and other more traditional textbook sources for assignments and assessments. Learning to communicate with others in the workplace can be fun when we explore the nature of internal and external customer service and get a sense of how organizations use a variety of formal and informal ways to communicate upward, downward, and cross-functionally in a business setting.

NOTE: This yearlong class earns up to six (6) college credits with a “B” or better grade (WITC Transcript) based on core competencies for Customer Service (1cr), Document Formatting (2cr), Microsoft Access (1cr), and Applied Communications (2cr).

## **MICROSOFT WORD**

Code H13                      Grades 9 - 12                      ½ Credit  
Elective

Students complete a comprehensive review of Microsoft Word’s new processing software to master the appropriate use, techniques, and features of the program. Students apply this software in a simulated work setting, completing many of the tasks as an employee for a business. Skills are useful for other courses in high school, higher education, and business settings.

NOTE: One (1) college credit may be earned with a grade of “B” or better (WITC Transcript).

## **SPREADSHEET USAGE**

Code H17                      Grades 9 – 12                      ½ Credit  
Elective

Students learn how to design a basic worksheet and apply functions to organize data by using toolbars, range names and sorting features. Student-created spreadsheets will demonstrate new concepts and apply a variety of functions and formats students will use to analyze and chart data. Students will demonstrate an understanding of how spreadsheet software can be used in a variety of real-world settings, as well as in their personal lives.

NOTE: One (1) college credit may be earned with a grade of “B” or better (WITC Transcript).

## **PRINCIPLES OF MARKETING**

Code H34                      Grades 10-12                      ½ Credit  
Elective

Study marketing concepts that provide creative thinkers with logistics and analysis skills required to generate and maintain a business, large or small. While much of business education provides training to start-up, manage, record and report business transactions, this Marketing course focuses on the marketing process as it relates to the operation of a business enterprise. The intent is to provide students with the understanding of how the marketing function fits within the overall structure of the organization. Special attention is given to the role and significance of evaluating customer needs, pricing, distribution, and promotion of products and services.

NOTE: Two (2) college credits may be earned with a grade of “B” or better (WITC Transcript).

## **MARKETING II**

Code H37                      Grades 10-12                      ½ Credit  
Elective                      Prerequisite: Principles of Marketing

Creative thinkers have the opportunity to apply marketing concepts along with logistics and analysis skills to generate interest in products and services. What does it look like from inside of a corporation? What are the economic influences? Marketing is the fuel of our economy—seeking effective means to match supply with demand. In the final weeks of the class, focus your new skills on projects related to sports and entertainment, merchandising, retail marketing, restaurant management, or hospitality and tourism.

## **ACCOUNTING I**

Code H1020/H2020                      Grades 10-12                      1 Credit  
Elective

This course is designed to give students an insight into the accounting cycle. The basic complete accounting cycle will be introduced and students will also study the associated journals and ledgers. Introduction to automated data processing and payroll systems will be covered, as will bad debts and depreciation. Time permitting, an introduction to partnerships and corporations will be used to familiarize students with different accounting concepts and practices done on the computer.

At appropriate intervals, students will have the opportunity to work hands-on exercises and accounting simulation packets to make the application of principles relevant and applicable to daily life/work situations.

The class would be extremely valuable to those who may feel they have an interest in business as a career or for those preparing to run their own small businesses or for those intending to major in business in college.

NOTE: Four (4) college credits may be earned with a grade of “B” or better (WITC Transcript).



## **ACCOUNTING II**

Code H22                      Grades 11 -12                      ½ Credit  
Elective                      Prerequisite: Accounting I

This course is designed to give students a more in depth look into accounting. It also looks into the various careers involving accounting and gives a good foundation to those deciding to enter the accounting field in college.

Much time is devoted to applying the full accounting cycle in realistic job simulation problems. Computer applications will be used extensively.

## **GLOBAL BUSINESS/GAMING**

Code H28                      Grades 10 – 12                      ½ Credit  
Elective

Students will demonstrate an understanding of global business strategies including; advantages and disadvantages, laws related to international trade and embargoes, currency exchange rates and banking, as well as appropriate etiquette and customs in other countries. Video game design will also be incorporated; see game development from a global level.

## **CONSUMER EDUCATION**

Code H780                      Grade 12                      ½ Credit  
Required

Wise consumer practice is the goal of this course. Some areas of study include: (1) Money Management: checking, savings, basic budgeting, loans, charge accounts, interest rates. (2) Purchasing small and large items (food, clothing, cars, house, etc.) and comparison shopping to get the most for your money. (3) Avoiding fraud through knowledge of contracts, guarantees and warranties. (4) Understanding advertising. (5) Insurance. (6) Solving consumer problems. (7) How and why our economic system works. (8) Preparation of income tax forms.

## **BUSINESS OWNERSHIP/ENTREPRENEURSHIP**

Code H32                      Grades 11-12                      ½ Credit  
Elective                      Prerequisite: Business Communications or a ½ credit of another business course

Do you have the drive, dedication, commitment and desire to one day run your own business? Then this is the course for you. This course is for the student that might have the idea that one day he or she will be a business owner. This will be a fun, fast-paced, hands-on course. The students will complete a comprehensive business plan as an on-going, culminating project, with the ultimate goal of running this business day and successfully turning a profit.

## **LAW FOR BUSINESS & PERSONAL USE**

Code H36  
Elective

Grades 10-12

½ Credit

Students will study true situations that show how business and personal law impact lives of young adults, adults, and businesses alike. This class will help students achieve an understanding of legal principles they will use throughout their lives. Topics included in this course are Ethics, Contracts, Criminal Laws, Torts, our Court System, Consumer Protection, and Lease Agreements.

## **WEB PAGE DESIGN**

Code H470  
Elective

Grades 10 – 12

½ Credit

Prerequisite: Algebra I

Many high school students have a sound understanding of the internet and how to access the web. This course asks them to take an analytical view of how the pages they access are constructed and designed. What makes a great website? Students will have an opportunity to create many pages during class. They are introduced to HTML and use it to design appropriate content, layouts, graphics, setups, and ultimately, the creation of files accessed from the web. Web 2.0 and other free webpage creation software are also explored. Students master these skills and use them to create or improve a personal e-portfolio that they can take with them into the future.

**BASIC EDUCATION**

<b><u>Code</u></b>	<b><u>Course</u></b>	<b><u>Credit</u></b>	<b><u>Gr. Level</u></b>	<b><u>Notes</u></b>
H1876	Job Preparation	1 Credit	10 - 12	
H1890	Lifeskills	½ Credit	9 - 12	
H1856	Social Skills	1 Credit	9 - 12	
H1860	Study Skills	½ Credit	9 - 12	

## **JOB PREPARATION**

Code H1876                      Grades 10-12                      ½ Credit  
Elective                      Prerequisite: The course is designed for special education students only.  
You must have an IEP to sign up for this course.

Students receive credit for job experiences arranged through their IEP's. Positions may be located within the school or in the community.

## **LIFESKILLS**

Code H1890                      Grades 9-12                      ½ Credit  
Elective                      Prerequisite: The course is for CD special education students only.

Students will participate in producing a product that can be donated and/or sold in the community. They will also participate in educational transition-based field trips to learn about businesses and services in the community. Through this process they will develop transition skills, including functional communication, daily living, and job skills. A community service component involving local senior citizens will provide students with the opportunity to practice social skills in another environment.

## **SOCIAL SKILLS**

Code H1856                      Grades 9-12                      ½ Credit  
Elective                      Prerequisite: The course is designed for special education students only.  
You must have an IEP to sign up for this course.

Students will explore skills appropriate to positive social interactions with family, peers and authority figures. Topics include self concept, self image, family relationships, peer relationships, maintaining friendships, love, accepting responsibility, analyzing behaviors, setting goals, developing realistic plans to achieve goals, respect, resolving conflicts, and self-control. The course is designed for small group or 1:1 discussion within the special education classroom.

## **STUDY SKILLS**

Code H1860                      Grades 9-12                      ½ Credit  
Elective                      Prerequisite: The course is designed for special education students only.

Students will develop effective skills to study, including time management, memory strategies, test preparation and test-taking skills. Students will be monitored regularly for academic and behavioral progress in regular education classes. Students are expected to work daily on assignments for their classes or on study skills packets provided by the resource teacher.

## ENGINEERING (PLTW)

Project Lead the Way (PLTW) is a high school pre-engineering program designed to prepare students for post-secondary engineering studies. Its curriculum utilizes rigorous project-based and problem-based learning that teaches high school students how to apply what they are learning to real-life situations.

PLTW is a national curriculum recognized by many universities and colleges. Students who successfully complete the course with a B or better and pass the end of year assessments supplied by PLTW are eligible to receive three (3) college credits from MSOE for a nominal fee. These credits are transferable to many universities and colleges.

PLTW students learn to:

- Understand scientific processes; how to solve problems and apply technology
- Understand how technological systems work with each other
- Use math knowledge and skills to solve real-world problems
- Communicate effectively through reading, writing, listening and speaking, and

Work with others in problem-solving teams. Courses offered are listed below under “Engineering Education.”

### ENGINEERING EDUCATION (PLTW)

<u>Code</u>	<u>Course</u>	<u>Credit</u>	<u>Gr. Level</u>	<u>Notes</u>
H1053/ H2053	Introduction to Engineering Design (PLTW)	1 Credit	9-12	Elective
H1055/ H2055	Principles of Engineering (PLTW)	1 Credit	10-12	Elective
H1050/ H2050	Digital Electronics (PLTW)	1 Credit	10-12	Elective
H1554/ H2554	Biotechnical Engineering (PLTW-BE)	1 Credit	11-12	Elective

PLTW – Students may earn up to 3 college credits.

## **INTRODUCTION TO ENGINEERING DESIGN (PLTW)**

Code H1053/H2053

Grades 9-12

1 Credit

Elective

Prerequisite: Enrollment or completion of an entry-level college preparatory math Course (Algebra I)

PLTW – Introduction to Engineering Design is a national curriculum recognized by many universities and colleges. Students who successfully complete the course with a B or better and pass the end of year assessments supplied by PLTW are eligible to receive 3 college credits from MSOE for a nominal fee. These credits are transferable to many universities and colleges.

Introduction to Engineering Design (IED) is a course that teaches problem-solving skills using engineering design development process and 3D modeling software. Students solve design problems as they develop, creating and analyzing product models. Activities may include, but are not limited to: creating a puzzle-cube, designing a desktop organizer, and creating and designing a mechanical toy.

## **PRINCIPLES OF ENGINEERING (PLTW)**

Code H1055/H2055

Grades 10-12

1 Credit

Elective

Prerequisite: Introduction to Engineering Design (C+ or better) & enrollment or completion in college preparatory math.

PLTW – Principles of Engineering is a national curriculum recognized by many universities and colleges. Students who successfully complete the course with a B or better and pass the end of year assessments supplied by PLTW are eligible to receive 3 college credits from MSOE for a nominal fee. These credits are transferable to many universities and colleges.

Principles of Engineering is a course that helps students understand the field of engineering. Exploring various technology systems and manufacturing processes help students learn how engineers use math, science, and technology in an engineering problem solving process to benefit people. This course will include hands-on problem solving activities; many involve the use of computer-controlled VEX.

## **DIGITAL ELECTRONICS (PLTW)**

Code H1050/H2050

Grades 10-12

1 Credit

Elective

Prerequisite: C or better in Algebra 2

Note: Students may earn up to 3 college credits (see below).

PLTW – Digital Electronics is a national curriculum recognized by many universities and colleges. Students who successfully complete the course with a B or better and pass the end of year assessments supplied by PLTW are eligible to receive 3 college credits from MSOE for a nominal fee. These credits are transferable to many universities and colleges.

PLTW-DE is a hands-on course which introduces students to the field of Electrical Engineering. Students will learn to design control circuits (both combinational and sequential logic circuits) using off the shelf components and chips. Students will learn to solder printed circuit boards, and use computer simulation software to design logic circuits. Students will then learn to build bread boards to test and verify the operation of their control circuits. In addition students will learn to properly complete an engineer's notebook, follow the design process, and learn how to write engineering reports.

## **BIOTECHNICAL ENGINEERING (PLTW)**

Code H1554/H2554

Grades: 11-12

1 Credit

Elective

Prerequisite: C or better in Algebra 2, C or better in Biology, and  
Chemistry recommended

PLTW: Biotechnical Engineering is a national curriculum recognized by many universities and colleges. Students who successfully complete the course with a B or better and pass the end of year assessments supplied by PLTW are eligible to receive 3 college credits from MSOE for a nominal fee. These credits are transferable to many universities and colleges.

PLTW-BE: The major focus of this course is to expose students to the diverse fields of biotechnology including biomedical engineering, molecular genetics, bioprocess engineering, and agricultural and environmental engineering. Lessons engage students in engineering design problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical device, forensics and bioethics. Students apply biological and engineering concepts to design materials and processes that directly measure, repair, improve and extend living systems.

## ENGLISH

<u>Code</u>	<u>Course</u>	<u>Credit</u>	<u>Gr. Level</u>	<u>Notes</u>
H1305/ H2305	English 9	1 Credit	9	(Note: Required if not taking Honors English 9)
H1300/ H2300	Honors English 9	1 Credit	9	(Note: Required if not taking English 9)
H1315 H2315	English 10	1 Credit	10	(Note: Required if not taking Honors English 10)
H1310/ H2310	Honors English 10	1 Credit	10	(Note: Required if not taking English 10)
H1320/ H2320	English 11	1 Credit	11	Required (Note: Required if not taking AP Lang & Comp or AP Lit & Comp)
H1330/ H2330	English 12	1 Credit	12	Required (Note: Required if not taking AP Lang & Comp or AP Lit & Comp)
H320	Speech Communications	½ Credit	11 - 12	Elective
H335	Advanced Speech	½ Credit	11 - 12	Elective
H340	Experiencing Dramatic Arts Through Literature	½ Credit	11 - 12	Elective
H350	Writing Crafts	½ Credit	10 - 12	Elective
H355	Journalism	½ Credit	10 – 12	Elective
H365	Digital Journalism	½ Credit	11 – 12	Elective
H1380/ H2380	*Advanced Placement Literature & Composition	1 Credit	11 – 12	Elective
H1382/ H2382	*Advanced Placement Language & Composition	1 Credit	11 – 12	Elective

\* Weighted Courses/Weighted Grading



## **ENGLISH 9**

Code H1305/H2305            Grade 9                            1 Credit  
Required—if not taking Honors English 9

Ninth grade English is a comprehensive course, emphasizing a basic understanding of the different uses of our language. Writing, drama, library skills, speaking and listening skills will be presented and studied according to common themes. Emphasis will be on active student involvement in using the English language.

## **HONORS ENGLISH 9**

Code H1300/H2300            Grade 9                            1 Credit  
Required—if not taking English 9

Honors English 9 is a self-selected course that emphasizes a more detailed, intensive understanding of writing, drama, library skills, speaking and listening skills. Students can expect to move at a more rapid pace. A high emphasis will be placed on active student involvement. Students will cover the same standards as those in English 9.

## **ENGLISH 10**

Code H1315/H2315            Grade 10                            1 Credit  
Required—if not taking Honors English 10            Prerequisite: English 9 or Honors English 9

Students will study all aspects of literature in both the fiction and non-fiction areas. Form, style, and content are a few of the major points that will be studied in works of short stories, novels, poetry, and drama. A review of grammar usage and writing skills is also part of English 10.

Writing in the course will aid in understanding the literature and developing the student's writing ability.

## **HONORS ENGLISH 10**

Code H1310/H2310            Grade 10                            1 Credit  
Required—if not taking English 10            Prerequisite: English 9 or Honors English 9

Honors English 10 is a self-selected course where students will build on the concepts from English 9, studying aspects of fiction, non-fiction, short stories, novels, poetry, drama, and public speaking. Students can expect to move at a more rapid pace. A high emphasis will be placed on active student involvement. Students will cover the same standards as those in English 10.

## **ENGLISH 11**

Code H1320/H2320            Grade 11                            1 Credit  
Required                            Prerequisite: English 9 & English 10. This class may be replaced with AP Language & Composition.

The English 11 course will focus on analytical writing and reading designed to make a student college and career ready. The first semester emphasis will be on non-fiction writing. The second semester emphasis will be on literature including novels, dramas, poetry and short stories. Students will learn how to construct complex sentences, structure a variety of essays and integrate evidence and research into their writing.

## **ENGLISH 12**

Code H1330/H2330 Grade 12

1 Credit

Required

Prerequisite: English 11 or AP Language & Composition. This class may be replaced with AP Literature & Composition or AP Language & Composition.

The English 12 course will focus on analytical writing and reading designed to make a student college and career ready. The first semester emphasis will be on non-fiction writing, including college application letters, resumes, cover letters, and informational writing. The second semester emphasis will be on literature including novels, dramas, poetry and short stories. Students will learn how to construct complex sentences, structure a variety of essays, and integrate evidence and research into their writing.

## **SPEECH COMMUNICATIONS**

Code H320

Grade 11-12

½ Credit

Elective

Students will study the techniques for speech preparation and will perform several speeches. The major types of public speaking included are persuasive, informative, demonstration, impromptu, manuscript reading, parliamentary procedure and a PowerPoint presentation.

## **ADVANCED SPEECH**

Code H335

Grades 11 – 12

½ Credit

Elective

Prerequisite: Speech

Students will study the process of oral communication and will improve their own communication skills. Topics include interviewing, interpersonal communication, group problem-solving, persuasion, business speaking, special occasion, and drama.

This course is intended for any student in grade 11 or 12, but especially those with an interest in communication. Participating in forensics is encouraged, but not required.

## **EXPERIENCING DRAMATIC ARTS THROUGH LITERATURE**

Code H340

Grades 11 - 12

½ Credit

Elective

Prerequisite: English 10 or Honors English 10

Experiencing drama is an introduction to the dramatic arts. Students will read and interpret various dramas, and will be expected to perform both in small groups and individually. Students will gain an introductory understanding of the theater and components of playwriting. Students will also be composing their own short plays.

## **WRITING CRAFTS**

Code H350                      Grades 10 – 12                      ½ Credit  
Elective                      Prerequisite: English 9

This course is designed for the creative writer within everyone. Imagination and composition are the writer's two paramount tools, and this course focuses on developing both of these skills. Students will explore writing poetry, narratives, short stories, and new genres of composition that are unique to the digital age.

## **JOURNALISM**

Code H355                      Grades 10-12                      ½ Credit  
Elective                      Prerequisite: English 10

Journalism is a course designed for students who are interested in developing skills in writing for publication. An emphasis will be placed on writing with clarity, accuracy, conciseness, depth, originality and individual style.

Units in the course will include studying the history, components and style of journalistic writing using examples of news stories, feature stories, sports stories and editorials. Students will write in the classroom daily, using computers for most writing assignments. The final class project is expected to be the publication of a school newspaper.

## **DIGITAL JOURNALISM**

Code H365                      Grades 11-12                      ½ Credit  
Elective                      Prerequisite: Journalism

This course will introduce students to the elements of broadcast and online journalism. Students will produce television news programs and online news magazines. Skills taught in the course include: research, story development, writing, interviewing, video production, editing and narration, and interviewing techniques. Students will be expected to follow U.S. journalistic style guidelines and ethical standards in all of their work. Students will discuss current national and local issues and will be required to contribute to these discussions either orally or in writing.

## **ADVANCED PLACEMENT LITERATURE & COMPOSITION**

Code H1380/H2380                      Grades 11-12                      1 Credit  
Elective                      Prerequisite: English 9 & English 10

This is a rigorous course which provides students with extensive reading and writing opportunities. Students will read multiple pieces of literature ranging from drama, fiction, and poetry. In addition, students will compose a literary analysis and research paper. This course will also prepare students to take the Advanced Placement exam in English Language and Composition and/or English Literature for college credit. It is advised, but not required, that students take English 11 or AP Language & Composition before enrolling in the course. This course may also be taken in place of English 11 or English 12. Registrations are subject to review.

\*This is a weighted grade course.

## **ADVANCED PLACEMENT LANGUAGE & COMPOSITION**

Code H1382/H2382    Grades 11-12                      1 Credit  
Elective                      Prerequisite: English 9 & English 10

AP Language & Composition is a rigorous course that develops skilled writers, who compose for a variety of purposes. This writing is based on reading prose written from a variety of contexts. Their writing and reading will make students aware of the interaction of a writer's purpose, audience expectations and conventions of languages that contribute to effective writing. It is advised, but not required, that students take this course before taking AP Literature & Composition. This course may also be taken in place of English 11 or English 12. Registrations are subject to review.

\*This is a weighted grade course.

**READING**

<b>Code</b>	<b>Course</b>	<b>Credit</b>	<b>Gr. Level</b>	<b>Notes</b>
H700	**Reading	½ Credit	9 – 10	Required/ Waived
H705	Advanced Reading	½ Credit	11 - 12	Elective

\*\*Reading Waiver (see p. 3)

**READING**

Code H700                      Grades 9-12                      ½ Credit  
Required - or waiver

This course provides an opportunity for students to acquire skills and strategies needed to do well at the high school level. It is designed to improve comprehension and vocabulary skills, while also offering classroom support and time for reading for pleasure. Students are given guidance in writing skills and reading skills as needed for high school course work. Reading comprehension skills include strategies for understanding and remembering, as well as summarizing and interpreting; and vocabulary skills including structural analysis and understanding words in context.

**ADVANCED READING**

Code H705                      Grades 11-12                      ½ Credit  
Elective

For the student pursuing a post-secondary education, this one term course will improve the student's ability to take college entrance examinations like the ACT and SAT. Vocabulary skills will be reinforced by studying selected Latin and Greek roots and analogy types and vocabulary most encountered on college entrance exams. Various forms of reading strategies will be discussed and practiced. Selected novels from a college professor's list will be read and discussed. Writing for college placement exams will be stressed with revision techniques demonstrated on a selected computer program.

## FINE ARTS

### MUSIC

<u>Code</u>	<u>Course</u>	<u>Credit</u>	<u>Gr. Level</u>	<u>Notes</u>
H1200/H2200	High School Band	1 Credit	9-12	Elective
H1210/2210	Spartan Choir	1 Credit	9-12	Elective
H1202/H2202	Jazz Ensemble	1 Credit	9-12	Elective
H1212/H2212	Concert Choir	1 Credit	9-12	Elective

### ART

<u>Code</u>	<u>Course</u>	<u>Credit</u>	<u>Gr. level</u>	<u>Notes</u>
H100	Art Survey	½ Credit	9-12	Elective
H105	Drawing & Graphics	½ Credit	9-12	Elective
H110	Painting	½ Credit	9-12	Elective
H115	Jewelry	½ Credit	9-12	Elective
H120	Fibers	½ Credit	9-12	Elective
H140	Advanced Placement Art	½ Credit	11-12	Elective
H125	Ceramics	½ Credit	9-12	Elective
H130	Sculpture	½ Credit	9-12	Elective
H145	Computer Graphics	½ Credit	9-12	Elective

## **HIGH SCHOOL BAND**

Code H1200/H2200                      Grades 9-12                      1 Credit  
Elective

The focus of this course is to develop a mature approach to the concert literature of the band medium. Classroom work will focus on comprehensive musicianship through performance. Rehearsals will include the study of music theory, history, ear training, and sight reading. A variety of musical styles will be studied to provide each student with a diverse repertoire. Lessons are required of all students. Participation in all performances (concerts, pep band, large group, festivals, and parades) is mandatory. Most performances occur outside the regular school hours. Additional performance opportunities may include jazz ensemble, honors projects, pit band, solo/ensemble festival and honors band.

## **JAZZ ENSEMBLE**

Code H1202/H2202                      Grades 9-12                      1 Credit  
Elective                                      Prerequisite: Enrolled in HS Band or Instructor Approval

Emphasis will be on jazz performance as a group and soloist. Classroom work will focus on performance techniques related to various jazz styles including Blues, Swing, Latin, Funk, and Rock. Other topics of study will include improvisation techniques, jazz theory, and jazz history. Requirements also include attendance at all performances, which generally occur outside the school day.

## **SPARTAN CHOIR**

Code H1210/H2210                      Grades 9-12                      1 Credit  
Elective

Spartan Choir is a beginning level choir for 9th-12th grade students that focuses on beginning musicianship and ensemble skills. An emphasis is placed on fundamental vocal technique, basic sight-reading and music reading, comprehensive musicianship skills, and creating a positive classroom environment that fosters creativity and teamwork. The choir performs at all high school music concerts. \*\*All 9th grade women who register for choir are required to enroll in Spartan Choir. \*\*

## **CONCERT CHOIR**

Code H1212/H2212                      Grades 9-12                      1 Credit  
Elective                                      Prerequisite: Instructor Approval

Concert Choir is an advanced level choir made up of students in 9th – 12th grade. Emphasis will be on developing advanced vocal techniques, developing a solid choral tone, intermediate sight-reading and music theory skills, comprehensive musicianship skills, and creating a positive classroom environment. \*\*All 9<sup>th</sup> grade men who register for choir should enroll in Concert Choir rather than Spartan Choir.\*\*

## **ART SURVEY**

Code H100                      Grades 9-12                      ½ Credit  
Elective

In this course students will be exposed to a variety of art mediums such as drawing, painting, sculpture, fibers, and ceramics. Each project will enable students to become more familiar with the art elements and principles of design and encourage personal creativity. Students will learn about art from the past and the present and will grow to understand the importance of art in today's visual culture. Students will learn about the many career choices in the art field today. Literacy will be infused into the art curriculum to enhance individual reading, writing and verbal communication. Character education will be part of real life application to student learning.

## **DRAWING & GRAPHICS**

Code H105                      Grades 9-12                      ½ Credit  
Elective

In this course students will focus on using the elements and principles of design to create 2-dimensional artwork. Through the use of various media (pencil, charcoal, chalk, oil pastels, and pen & ink) students will learn and understand that drawing is the foundation in art and will benefit students in all other studies of art. Students will work with simple still life, figure drawing, perspective drawing (one, two, and three-point) to further develop their skills. Many advanced techniques such as value, proportion, foreshortening, and more will be covered throughout the course. In the graphics portion of this course, the relief printmaking process will be used to create a variety of prints. Literacy will be infused into the art curriculum to enhance individual reading, writing, and verbal communication.

## **PAINTING**

Code H110                      Grades 9-12                      ½ Credit  
Elective

Throughout the painting course, students will be provided an intensive study of colors and techniques. The students will explore color utilizing, color mixing, proper brush techniques, proper tinting and shading, the creation of a color wheel, use of watercolors and acrylic paints, and painting on a hard surface. This course will focus on many instrumental painters from the past through the present, as well as monumental art movements throughout history. Literacy will be infused into the art curriculum to enhance individual reading, writing, and verbal communication.

## **JEWELRY**

Code H115                      Grades 9-12                      ½ Credit  
Elective

An intensive study of three-dimensional design on a small scale is the emphasis of study in this course. We will study designs of past cultures and artists. We then use this inspiration, along with the elements and principles of design, to create jewelry that is at an advanced level, practical, and functional. Students will be involved in creative problem solving as they are taught and then given the objective to create a piece of jewelry, while having access to a variety of materials and specialized tools. Literacy will be infused into the art curriculum to enhance individual reading, writing, and verbal communication.



## **FIBERS**

Code H120                      Grades 9-12                      ½ Credit  
Elective

Students will explore a wide variety of fiber art mediums while creating and working with two and three dimensional forms. Using knowledge of design and various techniques, students will create practical artwork to express their creativity. Students will be introduced to the fiber artwork of a variety of cultures as well as fiber artists. Course projects will include: a variety of paper making techniques, batik, silk painting, basketry, silkscreen designing, and collage. On and off loom weaving may also be explored. Literacy will be infused into the art curriculum to enhance individual reading, writing, and verbal communication.

## **ADVANCED PLACEMENT ART**

Code H140                      Grades 11-12                      ½ Credit  
Elective                      Prerequisite: Successful completion of two (2) art courses & instructor approval

The Advanced Placement Art series of classes prepares students to create a well-rounded portfolio for submission to the AP Board in the spring. During each semester, the students will address quality, concentration, and breadth in their choice of drawing, painting, pottery, sculpture, or other mixed media/techniques art. It is expected that all AP students take a leadership role in the classroom/studio by sharing their work and strategies with entry level students. AP students are expected to advocate for themselves and work on projects and explore the medium independently. AP Students are also expected to explore the elements and principles of design, a variety of artistic styles, important artists and cultural, and historical contexts and bring those aspects and influences into their work. All AP students are required to improve their technique through self-reflection, critiques, and artist explorations.

## **CERAMICS**

Code H125                      Grades 9-12                      ½ Credit  
Elective

Students will learn the different methods used in hand-building pottery (pinch, coil, slab, and draped), the various techniques of glazing, and the steps involved in throwing on a pottery wheel. Ceramic vessels of past cultures will be the inspiration for several of our assignments, as will the ceramics of present day ceramic artists. Students will create seven hand-built vessels, three wheel-thrown vessels, and one final series consisting of three pots. Literacy will be infused into the art curriculum to enhance individual reading, writing, and verbal communication.

## **SCULPTURE**

Code H130                      Grades 9-12                      ½ Credit  
Elective

This course will explore a wide variety of sculpture mediums and techniques. Additive and subtractive methods will be used on both realistic and abstract forms. Students will explore the artwork of sculptors throughout history, present day sculptors, and local sculptors to heighten their awareness of the creative process. Students will problem solve and use their acquired skills in the elements and principles of design to produce meaningful and expressive 3-D artwork. Literacy will be infused into the art curriculum to enhance individual reading, writing, and verbal communication.

## **COMPUTER GRAPHICS**

Code H145

Grades 9-12

½ Credit

Elective

Students will use Photoshop software to explore the world of graphic design and how it is used in commercial art. A thorough study of the elements and principles of design will provide a foundation to creating successful graphic images. Students will create imagery used in fields of graphic design, as well as images used for personal use. Using gained knowledge of consumerism, students will create emotionally based images to persuade the viewers. Literacy will be infused into the art curriculum to enhance individual reading, writing, and verbal communication.

## WORLD LANGUAGE

<b>Code</b>	<b>Course</b>	<b>Credit</b>	<b>Gr. Level</b>	<b>Notes</b>
H1250/ H2250	French I	1 Credit	9 - 12	Elective
H1252/ H2252	French II	1 Credit	10 - 12	Elective
H1254/ H2254	French III	1 Credit	11 - 12	Elective
H1256/ H2256	French IV	1 Credit	12	Elective
H1270/ H2270	Spanish I	1 Credit	9 - 12	Elective
H1272/ H2272	Spanish II	1 Credit	9 - 12	Elective
H1274/ H2274	Spanish III	1 Credit	10 - 12	Elective
H1276/ H2276	Spanish IV	1 Credit	10 – 12	Elective
H1290/ H2290	American Sign Language I (ASL)	1 Credit	9 - 12	Elective
H1291/ H2291	American Sign Language II (ASL)	1 Credit	9 - 12	Elective

## **FRENCH I**

Code H1250/H2250            Grades 9-12            1 Credit  
Elective

French I is a great way to visit the great big world of “Francophonie”—that is everything that is French speaking and more! In French I you will become a citizen of the world by learning French greetings, talking about what you like and what you like to do and asking others the same. You will not only study French language but the French culture as well.

## **FRENCH II**

Code H1252/H2252            Grades 10-12            1 Credit  
Elective                      Prerequisite: French I

French II is a continuation of French I as you learn how to be a world traveler. Students will learn what it is like to be an exchange student in France. Digging deeper into the French language and culture, we find a great chapter on the celebration of the important role of French cuisine through the different regions of France.

## **FRENCH III**

Code H1254/H2254            Grades 11-12            1 Credit  
Elective                      Prerequisite: French I, French II

Students will take advantage of more in-depth studies of the language and culture. French will be primarily spoken in class. Students will use a greater variety of resources as they concentrate on France and its regions. Students will learn more about speaking in different tenses and will do some fun journal work as well.

## **FRENCH IV**

Code H1256/H2256            Grade 12            1 Credit  
Elective                      Prerequisite: French I, French II, and French III

Students will develop their language skills by using French in class. Students will read one novel “Le Petit Prince” and visit exotic Francophone countries during the course of their studies. Students will also study many of the great cultural areas of French art, cinema, and fashion as well as history and geography all en Français!!

## **SPANISH I**

Code H1270/H2270            Grades 9-12            1 Credit  
Elective

This course will include basic instruction of Spanish culture and main aspects of the language. Objectives of the course will be met through lessons on grammar, reading comprehension, writing, verbal communication, and listening skills.

## **SPANISH II**

Code H1272/H2272                      Grades 9 – 12                      1 Credit  
Elective                                      Prerequisite: Spanish I

This course is a continuation of Spanish I. Spanish II will intensify the study of all aspects of the language. Students will continue to build vocabulary and writing skills, as well as maintain a strong focus on verbal communication.

## **SPANISH III**

Code H1274/H2274                      Grades 10-12                      1 Credit  
Elective                                      Prerequisite: Spanish I and Spanish II

Spanish III is a continuation of the study of Spanish culture, grammar, language, and communication. Students in Spanish III should expect a fast-paced, challenging, and exciting opportunity to extend their skills and realize the many advantages a foreign language can provide in their community, country, and world.

## **SPANISH IV**

Code H1276/H2276                      Grades 10-12                      1 Credit  
Elective                                      Prerequisite: Spanish I, II & III

Spanish IV is an advanced study of complex Spanish grammar and vocabulary. Emphasis will be placed on speaking the language throughout each class period. After completing this course, students will possess the skills necessary to speak, write, read, and comprehend the language and apply it to real life situations such as travel and job opportunities.

## **AMERICAN SIGN LANGUAGE I (ASL)**

Code H1290/H2290                      Grades 9-12                      1 Credit  
Elective

This course will focus on American Sign Language and Deaf Culture. Students will learn the basics for communication with deaf individuals. This course includes receptive and expressive readiness activities, sign vocabulary, basic rules of grammar, finger spelling, conversational behaviors and various aspects of Deaf Culture. We'll feature receptive and expressive sign vocabulary building and conversation.

## **AMERICAN SIGN LANGUAGE II (ASL)**

Code H1292/H2292                      Grades 9-12                      1 Credit  
Elective                                      Prerequisite: ASL I

This course will have an increased emphasis on more challenging and abstract conversational behaviors, narrative skills, and storytelling skills. Receptive and expressive readiness skills, sign vocabulary, grammatical structure, receptive and expressive fingerspelling, and various aspects of Deaf Culture.

## FAMILY & CONSUMER SCIENCE

<b>Code</b>	<b>Course</b>	<b>Credits</b>	<b>Gr. Level</b>	<b>Notes</b>
H150	Introduction to Foods	½ Credit	9-12	Elective
H152	Cooking & Pastry Preparation	½ Credit	9-12	Elective
H156	Meal Management	½ Credit	10-12	Elective
H154	*Food Science	½ Credit	10-12	Elective
H164	Clothing & Textiles (Offered in 2016-2017)	½ Credit	9-12	Elective
H170	Child Development & Parenting	½ Credit	10-12	Elective
H172	**Foundations of Early Childhood Education	½ Credit	10-12	Elective
H174	Family Living	½ Credit	10-12	Elective
H176	Housing & Interior Design (Offered in 2015-2016)	½ Credit	9-12	Elective

\*Food Science may also be taken as a Science elective credit.

\*\*College credit may be earned with a “B” or better (WITC Transcript).

## **INTRODUCTION TO FOODS**

Code H150                      Grades 9-12                      ½ Credit  
Elective

Introduction to Foods is your jump start into the kitchen. Fundamental cooking, sanitation and safety, and nutrition will be an introduction to this course. After the basics mentioned, time will be spent on fruits, vegetables, salad preparation and introduction to baking, both in the classroom and in the lab.

## **COOKING & PASTRY PREPARATION**

Code H152                      Grades 9-12                      ½ Credit  
Elective                      Prerequisite: Introduction to Foods

We are looking for people who pay attention to detail, have knowledge of ingredients and are patient. This class will cover two very different parts of working in the kitchen. The cooking section will concentrate on protein preparation. The second section will focus on pastry. Pastry chefs need to be able to bake, which involves attention to detail, knowledge of ingredients and patience. They also need to have artistic ability and creativity to produce pastries and desserts that look as good as they taste. Time in this section will be spent on candy, cakes, and pie-making.

## **MEAL MANAGEMENT**

Code H156                      Grades 10-12                      ½ Credit  
Elective                      Prerequisites: Introduction to Foods

Are you ready to prepare meals at home for your family? This course teaches the basics of meal preparation, in addition to time and resource management. Students will select and prepare family meals for breakfast, lunch, and one-dish meal preparation, while incorporating appropriate table settings and analyzing the finances needed to prepare each meal.

## **FOOD SCIENCE**

Code H154                      Grades 10-12                      ½ Credit  
Elective                      Prerequisites: Introduction to Foods and Science 9

Come experiment in the kitchen! Incorporating food science into foods and nutrition class gives students an opportunity to develop not only a way of looking at the world but also many important skills. It can also help students overcome any fear of science-related subjects by performing experiments in the kitchen.

\*This course may also be taken as a Science elective credit.

## **CLOTHING & TEXTILES**

(Course offered during the 2016-2017 school year)

Code H164                      Grades 9-12                      ½ Credit  
Elective

Enjoy sewing? Think you might? Come and try consumer clothing and creative sewing! We will start with exploring the selection of patterns and fabrics for the appropriate garment; reading pattern envelopes and pattern guides; construction techniques; and clothing care. We will then move into projects that will challenge students and give them new experiences in sewing construction. There will be demonstrations, lectures, and general individualized instruction. Students will be required to complete an individual hand project, such as knitting or crocheting. The students will pay for project materials.

## **CHILD DEVELOPMENT & PARENTING**

Code H170                      Grades 10-12                      ½ Credit  
Elective

If you enjoy working with children or are interested in a career working with children, this is a great course for you! This course will deal directly with people and growth and development from prenatal care through preadolescence, relating theory to everyday situations. The child between the ages of one and six will receive the majority of attention. Information on parenting skills at all age levels will be stressed. Course objectives are to develop an understanding of the physical, mental and emotional development of children and to develop an enjoyment of children.

## **FOUNDATIONS OF EARLY CHILDHOOD EDUCATION**

Code H172                      Grades 10-12                      ½ Credit  
Elective                      Recommended Prerequisite: Child Development and Parenting

If you enjoy working with children or are interested in a career working with children, this course introduces you to the early childhood profession. Course competencies include: integrating strategies that support diversity and anti-bias perspectives; investigating the history of early childhood education; summarizing types of early childhood education settings; identifying the components of a quality early childhood education program; summarizing responsibilities of early childhood education professionals; and exploring early childhood curriculum models.

NOTE: College credit may be earned with a “B” or better (WITC transcript).

## **FAMILY LIVING**

Code H174                      Grade 10-12                      ½ Credit  
Elective

Family dynamics are so important and vary so much today. This course is designed to give you the opportunity to explore the areas of decision-making, communication, self-awareness, relationships, marriage, and stress among other things. We will have many class discussions and interactive activities to help you gain insight into the roles and expectations of becoming an adult.



## **HOUSING & INTERIOR DESIGN**

(Course offered during the 2015-2016 school year)

Code H176  
Elective

Grades 9-12

½ Credit

Selecting a place to live has a major influence on your life-style. We will start this course with a study of architectural styles, and alternative types of housing and move to the interior where we will explore furniture arrangements, color, texture, design principles, types of wall treatments, floor coverings and window treatments. We will finish the course designing our own homes.

## MATHEMATICS

<u>Code</u>	<u>Course</u>	<u>Credit</u>	<u>Gr. Level</u>	<u>Notes</u>
H1405/ H2405	Introduction to Algebra	1 Credit	9	Teacher Recommendation
H1414/ H2414	Algebra I (unless taken in 8 <sup>th</sup> grade)	1 Credit	9-10	Required
H1420/ H2420	Geometry	1 Credit	9-11	Required
H1416/ H2416	Algebra II	1 Credit	10-12	Required
H1440	Statistics/Probability	½ Credit	11-12	Elective
H1430	Trigonometry	½ Credit	11-12	Elective
H1445/ H2445	Pre-calculus	1 Credit	11-12	Elective
H1450/ H2450	Calculus	1 Credit	11-12	Elective

## **INTRODUCTION TO ALGEBRA**

Code H1405/H2405                      Grades 9-12                      1 Credit  
Elective                                      Prerequisites: Teacher Recommendation

This course introduces students to basic topics of Algebra and is designed for the student who is not ready for Algebra I. Some topics include basic arithmetic operations with number sets, algebraic properties, equations and word problems. Note: This course may not be used for one of the three (3) required Math credits.

## **ALGEBRA I**

Code H1414/H2414                      Grade 9-10                      1 Credit  
Required                      Prerequisite: A solid understanding of arithmetic skills, including fractions and percents.  
Students are selected on the basis of their ability in 8<sup>th</sup> grade or successful completion of Introduction to Algebra. Required unless Algebra I taken in 8<sup>th</sup> grade.

Algebra I is the introduction of the basic concepts of Algebra. The course consists of applying the four basic arithmetic operations (addition, subtraction, multiplication, and division), when working with variables and real numbers. Properties of the real number system, functions, solutions of 2 linear equations and solution of linear inequalities are studied. Special attention is given to the analysis and graphing of linear functions and their corresponding algebraic solutions. The course ends with the introduction of quadratic functions, the quadratic formula, and factoring.

## **GEOMETRY**

Code H1420/H2420                      Grades 9-11                      1 Credit  
Required                                      Prerequisites: Algebra I

Students in this course will develop an awareness of the importance of geometry in everyday life. The Euclidean approach is utilized to help the student think logically by means of inductive and deductive reasoning. Topics include measurement, direct and indirect proofs, parallelism, perpendicularity, congruency, similarity, circles, geometric figures, and the Cartesian coordinate system. Appropriate algebraic skills will be used to solve problems involving plane and solid figures, similar triangles and right triangles. A scientific calculator is recommended.

## **ALGEBRA II**

Code H1416/H2416                      Grades 9-12                      1 Credit  
Required                                      Prerequisites: Algebra I

Algebra II continues the concepts and skill of Algebra I and Geometry. Specific areas of study are systems of linear equations and inequalities, exponential and logarithmic functions and uses, matrix operations, second order and polynomial functions, rational and complex number equations and functions sequences and series and ending with an introduction of basis trigonometric functions. It is recommended to take Algebra II after Geometry; may be taken concurrently with instructor approval.

## STATISTICS/PROBABILITY

Code H1440	Grades 11-12	½ Credit
Elective	Prerequisite: Algebra II	

Students will study the practical use of statistics used daily in newspapers, magazines and business reports. Topics include: probability, graphs, means, medians, mode, range, sampling, estimation, and misleading statistical figures and graphs.

## TRIGONOMETRY

Code H1430	Grade 11 -12	½ Credit
Elective	Prerequisite: Algebra II	

Trigonometry is an extension of algebra and geometry. In addition to the basic trigonometric functions, topics include: circular functions, inverses, identities, sum and difference formulas, and oblique triangles. Students will graph trigonometric functions, inverses and polar equations.

## PRE-CALCULUS

Code H1445/H2445	Grades 11-12	1 Credit
Elective	Prerequisite: Algebra II	

This course reviews the concepts of algebra, while covering new topics in algebra and trigonometry, emphasizing those topics needed for the study of calculus. It is designed for students who intend to take calculus in high school or college. The course includes a study of polynomial, exponential, and trigonometric functions and their graphs, vectors in 2 and 3 dimensional space, solutions to multivariable linear systems using matrices and determinants, transformation of coordinate systems, and introduction of limits. A graphing calculator is TI86 or below is allowed.

## CALCULUS

Code H1450/H2450	Grades 11-12	1 Credit
Elective	Prerequisite: Pre-Calculus	

This course provides an introduction to differential calculus, including functions, limits, continuity, the derivative, rules of differentiation, the mean-value theorem, and implicit differentiation, as well as applications to graphing and problems of maximum-minima and related rates. The course concludes with an introduction of integral calculus, including anti-derivatives, and definite integrals. Graphing calculators TI86 or below may be used.

**PHYSICAL EDUCATION/HEALTH EDUCATION**

<b>Code</b>	<b>Course</b>	<b>Credit</b>	<b>Gr. level</b>	<b>Notes</b>
H760	Health Education	½ Credit	9-10	Required
H805	Physical Education 9	½ Credit	9	Required
H810	Physical Education 10	½ Credit	10	Required
H820	Physical Education 11	½ Credit	11	Required
H825	Physical Education 12	½ Credit	12	Elective
H840	Weight Training	½ Credit	9-12	Elective

## **HEALTH EDUCATION**

Code H760                      Grade 9-10                      ½ Credit  
Required

Health education is a course designed to instruct students on the issues important to young adults. This class will cover topics related to personal health, nutrition, safety and first aid, substance abuse, and human growth and development. Health education is a comprehensive course meant to instruct students on the importance of healthy decision-making and the consequences associated with risky behaviors. Teaching the facts will help students make informed and responsible decisions, which will impact their own individual health, the health of the community, and the health of the school. This class is designed to help students develop lifelong skills to protect personal wellness and prevent disease or injury due to poor lifestyle choices.

## **PHYSICAL EDUCATION 9/10**

Code H805                      Grade 9                                      ½ Credit  
Code H810                      Grade 10                                    ½ Credit  
Required

The physical education program is designed to provide an important daily physical education period. Activities will include both life-time and team sports. Team sports will be emphasized. The following sports will be included: football, soccer, softball, track and field, cross country, and speedball. Indoor activities include volleyball, basketball, badminton, team handball, floor hockey, and weight training.

## **PHYSICAL EDUCATION 11/12**

Code H820                      Grade 11                                    ½ Credit                      (Required)  
Code H825                      Grade 12                                    ½ Credit                      (Elective)

This class will re-emphasize the skills learned in previous required courses. It will also offer lifetime activities and individual sports that will help the student develop sports skills that may be used for recreation throughout life. Some activities include golf, archery, jogging, bicycling, weight training, bowling, cross country skiing, and recreational games such as ping-pong, lawn darts, horse shoes, and bocce ball.

## **WEIGHT TRAINING**

Code: H840                      Grades 9-12                                ½ Credit  
Elective                              Prerequisites: Instructor Consent  
   Enrollment = Limit of 18

This class is designed to help all students gain an understanding of weight training. There will be pre and post written tests as well as pre and post activity tests. The class will be designed as a self-paced, individually guided class. Students will be required to maintain a daily log. Students who take this class must be “self-motivated.”

## SCIENCE

<u>Code</u>	<u>Course</u>	<u>Credit</u>	<u>Gr. Level</u>	<u>Notes</u>
H1500/ H2500	Science 9	1 Credit	9	Required@
H1515/ H2515	Biology	1 Credit	10-12	Required@
H1525/ H2525	Chemistry I	1 Credit	11-12	Elective
H535	Chemistry II	½ Credit	11-12	Elective
H1530/ H2530	Physics I	1 Credit	11-12	Elective
H1532/ H2532	Physics II	1 Credit	11-12	Elective
H1535/ H2535	Applied Physics	1 Credit	11-12	Elective
H1580/ H2580	*Advanced Placement Biology	1 Credit	11-12	Elective
H522	Ecology	½ Credit	10-12	Elective
H540	Human Physiology	½ Credit	11-12	Elective
H154	**Food Science	½ Credit	9-12	Elective

\*Weighted Course

\*\*Food Science may also be taken as a Family & Consumer Education elective credit.

@Meets the physical science and life science D.P.I. requirements.

## **SCIENCE 9**

Code H1500/H2500                      Grade 9                                      1 Credit  
Required

Students will study physical aspects of their environment. Topics include: motion and energy, electricity, magnetism, heat, structure of matter, chemical reactions, weather, Earth in space.

A science notebook is required to help students with reading, writing and organizing of information skills. Many lab activities are used to help learn concepts.

## **BIOLOGY**

Code H1515/H2515                      Grades 10-12                                      1 Credit  
Required                                      Prerequisite: Science 9

Students will learn material that will prepare them for entrance into college freshmen biology classes. The units covered include the functions of life, genetics, micro-organisms, plant and animal surveys, human biology and ecological relationships.

## **CHEMISTRY I**

Code H1525/H2525                      Grades 11-12                                      1 Credit  
Elective                                      Co-requisite: Algebra II

Chemistry is the study of the composition of matter, the “stuff” all around us and of which we are made, and the changes that matter undergoes. This course seeks to introduce students to core concepts in general chemistry through discussion, demonstrations, laboratory experiments, projects, and other activities. Topics of study include: atomic structure, the periodic table, chemical bonding, chemical reactions, stoichiometry, chemical kinetics, and acids and bases. This course is designed for students interested in the sciences as well as all those planning on attending a four year post-secondary institution.

## **CHEMISTRY II**

Code H535                                      Grades 11-12                                      ½ Credit  
Elective                                      Prerequisite: Chemistry I

Chemistry 2 is a semester course that builds upon the concepts introduced in first year chemistry and allows students to go further in depth and develop additional laboratory skills and techniques. Additional topics of study include electrochemistry, solution chemistry, biochemistry, organic chemistry, and environmental chemistry. Students will have the opportunity to explore careers which involve chemistry, as well as research additional topics. This course is recommended to students looking for additional science experience to support post-secondary plans.



## **PHYSICS I**

Code H1530/H2530                      Grades 11-12                      1 Credit  
Elective                                      Prerequisite: Algebra II

Physics 1 is a college preparatory class. Students who complete this course will be prepared for their first physics class in college. Students will learn the concepts and theory, along with mathematical equations, to model and predict outcomes in the areas of motion in one and two dimensions, forces, laws of motion, work and energy, momentum and collisions, rotational motion, law of gravity, and rotational equilibrium. In addition, students will learn to write lab reports, be introduced to cosmology, and design a project of interest to them (learn the physics principles involved in the project; develop the theory; build, demonstrate, present, and report on the project).

## **PHYSICS II**

Code H1532/H2532                      Grades 11-12                      1 Credit  
Elective                                      Prerequisite: Physics 1

Physics 2 is a college preparatory class and is an extension of Physics 1. Students will learn the concepts and theory, along with mathematical equations, to model and predict outcomes in the areas of fluid mechanics, heat, thermodynamics, vibrations and waves, sound, light, electric forces and fields, electric circuits, and magnetism.

## **APPLIED PHYSICS**

Code H1535/H2535                      Grades 11-12                      1 Credit  
Elective                                      Prerequisite: Science 9 or approved accelerated coursework

This course includes study of fundamental concepts and topics in physical science, building on topics previously covered in the Physical Science course. Students will investigate the principles of motion, energy, and waves through inquiry activities and laboratory experiments. Attention will be given to current issues and applications of physical sciences and technology. A practical approach will be emphasized.

## **ADVANCED PLACEMENT BIOLOGY**

Code H1580/H2580                      Grade 11-12                      1 Credit  
Elective                                      Prerequisite: Biology  
(See “Weighted Courses” on page 3 for further clarification.)

This course is designed to cover similar information covered in college freshmen biology. The material is basically the same as that covered in general biology but is covered in greater depth.

This is a college preparatory course. Students scoring at a high level on a national advanced placement test given in May receive college credit or a waiver of a college biology course at many colleges and universities. Students need not be planning a career in biology to take this class.

\*This is a weighted grade course.

## **HUMAN PHYSIOLOGY**

Code H540                      Grades 11-12                      ½ Credit  
Elective                      Prerequisite: Biology

This course is designed for students interested in nursing, medicine, physical education, physical therapy or related fields. Structure and function of the human body will be studied. Field trips will be offered if they can be arranged.

This is a college preparatory course. Students need not be planning a career in biology to take this class.

## **ECOLOGY**

Code H522                      Grades 10-12                      ½ Credit  
Elective                      Prerequisite: Biology

This course is designed for students interested in field biology. Botany, limnology, river ecology and mapping will be covered. Collection and analysis of field data will be the emphasis of the course. Field trips to Squaw Lake and the Apple River are mandatory.

## **FOOD SCIENCE**

Code H154                      Grades 9-12                      ½ Credit  
Elective                      Prerequisites: Introduction to Foods and Science 9  
This course may also be taken as a Science elective credit.

Come experiment in the kitchen! Incorporating food science into foods and nutrition class gives students an opportunity to develop not only a way of looking at the world but also many important skills. It can also help students overcome any fear of science-related subjects by performing experiments in the kitchen.

**SOCIAL STUDIES**

<b>Code</b>	<b>Course</b>	<b>Credit</b>	<b>Gr. Level</b>	<b>Notes</b>
H1653/H2653	Modern World History	1 Credit	9	Required
H1610/H2610 H1680/H2680	American History or Advanced Placement U. S. History	1 Credit	10	Required
H1600/H2600	Civics	1 Credit	11	Required
H683	*Advanced Placement Microeconomics	½ Credit	11-12	Elective
H684	*Advanced Placement Macroeconomics	½ Credit	11-12	Elective
H1630	Sociology	½ Credit	11-12	Elective
H686	*Advanced Placement Psychology	1 Credit	11-12	Elective
H636	Current Global Issues	½ Credit	10-12	Elective
H638	World in Conflict	½ Credit	11-12	Elective
H1680	*Advanced Placement U.S. History	1 Credit	10-12	Elective
H1665	History of the Holocaust & Genocide	½ Credit	10-12	Elective
50				
H1669	Sports & Society: The History, Economics, Geography & Sociology of Sports in American Society	½ Credit	11-12	Elective

\*Weighted Course

**AMERICAN HISTORY 11**  
(Course offered through 2014-2015)

Code H1620/H2620                      Grade 11                                      1 Credit  
Required (Requirement for the Class of 2015 & 2016)

This course studies United States history from the late 1800's to the present. Units include: impact of technology, industrialization and urbanization, business cycles, protest and reform, war, world leadership, and changing lifestyles and values.

**MODERN WORLD HISTORY**  
(Course offered to Freshmen)

Code H1653/H2653                      Grades 9    1 Credit  
Required (Requirement for the Class of 2017 and beyond)

This course studies Modern World history from the 500s CE through late 1900s. We will examine the relationships between people and societies through the lens of history, economics, politics and social structure. Highlighted themes will include the five major world religions, the world during the middle ages (and the Byzantine Enlightenment), Europe's enlightened period, global imperialism, growing nationalism and the World Wars and the world leading up to the cold war. Emphasis will be placed on critical historical reading, writing, thinking and creating using primary and secondary sources.

**AMERICAN HISTORY**

Code H1610/H2610                      Grades 10    1 Credit  
Required (requirement for the Class of 2017 and beyond), unless taking Advanced Placement U. S. History.

This course is a study American History from colonization through the contemporary era. We will examine the people, ideas and events that have shaped present day America from historic, economic, geographic, political, and social lenses. Emphasis will be placed on critical historical reading, writing, thinking and creating using primary and secondary sources.

**CIVICS**

Code H1600/H2600                      Grades 11    1 Credit  
Required

The purpose of civic education is to assist in developing educated, informed and participating citizens. Effective democracy necessitates citizens who understand their rights and assume the responsibilities of citizenship. The course focuses on individual political behavior and attitudes, emphasizing the importance of civic awareness and personal involvement in a democratic society. We will examine the basic ideas and principles that shaped our system of government, our Constitution, the major policy making bodies of our political system, factors that influence our leaders and political institutions, fundamentals of our market economy and the impact of state and local government. The course will also spend significant time investigating the major foreign and domestic issues facing our government. We will explore opportunities that exist for individual involvement and influence in our political systems. Emphasis will be placed on gathering and evaluating information through critical reading, writing and thinking.



## **SOCIOLOGY (continued)**

This village called Earth has many challenges facing it. Is the Media fair and unbiased? Why do people commit crimes? Should capital punishment be legal? Why is there so much racism in the world? Why does poverty devastate parts of the world? Why do people of different religions think so differently from each other? What role should the government play in our society?

These questions and more are dealt with in a class called Sociology. In this course, students will develop informed opinions about issues which our country and world face. It is a class which will require students to think about various divisive topics; but these topics will be discussed and thought about in a constructive environment where divergent thinking is welcomed.

## **ADVANCED PLACEMENT PSYCHOLOGY**

Code H686                      Grades 11-12                      1 Credit  
Elective                      Prerequisite: Instructor or guidance counselor approval

This course is designed to introduce the students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological theories, facts, principles, and phenomena associated with each of the major subfields within psychology. The course will cover the following areas: 1) history and approaches; 2) research methods; 3) biological bases of behavior; 4) sensation and perception; 5) states of consciousness; 6) learning; 7) cognition; 8) motivation and emotion; 9) developmental psychology; 10) personality; 11) testing and individual differences; 12) abnormal psychology; 13) treatment of psychological disorders; and 14) social psychology. The students will explore this field through lectures, videos, readings, varied group activities, and experiments. This course is highly recommended for college bound students. Students will have the opportunity to take the Advanced Placement Exam at the end of the school year.

\*This is a weighted grade course. (See “Weighted Courses” on page 3 for further clarification.)

## **CURRENT GLOBAL ISSUES**

Code H636                      Grades 10-12                      ½ Credit  
Elective                      Prerequisite: Modern World History

Go global! Learn about the world and its many cultures. Explore not only geography but learn about all the different people, languages, societies, economies, governments, religions and customs. This class goes around the world region by region. Become a world class citizen by learning, comparing and contrasting all the differences and similarities. A multimedia approach will be used, including books, films, research, travel planning, and map drawing.

This course will examine current issues, emphasizing human and cultural geography and social issues. We will explore the interdependence of the United States and other nations in recent years. We will evaluate the historical and cultural roots of contemporary world problems in order to gain a better understanding of what brought us to this point at both a global and national level. We will also analyze the various social aspects of current world events to enable us to understand the issues from the ground up. Topics for this course will be dependent upon current events and issues facing our nation, as well as around the globe.

## **WORLD IN CONFLICT**

Code H638                      Grades 11-12                      ½ Credit  
Elective                      Prerequisite: Modern World History & American History

Students will study the political and military history of the late twentieth century and beyond. Topics include: The Cold War, the Middle East, current conflicts worldwide, and the War on Terrorism. Why did people crash planes into the Twin Towers? Why did the U. S. invade Iraq? These questions and more will be explored in this class. This course is open to all juniors and seniors who are genuinely interested in studying the nature of past and current conflicts in depth.

## **ADVANCED PLACEMENT U. S. HISTORY**

Code H1680/H2680                      Grade 10                      1 Credit  
(Course may be taken in lieu of American History)  
Grades 11-12 (elective)

Are you up to the challenge? Advanced Placement U.S. History is a rigorous course designed to make you think. Students will survey American History from pre-Columbus North America all the way up to 9/11. Vigorous attention will be paid to great trends which define our society. Document analysis and writing will be paramount, and students will be prepared to take the A.P. exam for college credit.

\*This is a weighted grade course. (See “Weighted Courses” on page 3 for further clarification.)

## **HISTORY OF THE HOLOCAUST & GENOCIDE**

Code H1665                      Grades 10\*-12                      ½ Credit  
Elective                      Prerequisite: Modern World History  
(\*10<sup>th</sup> grade students must have instructor or guidance counselor pre-approval)

This course explores in depth what happened in Europe to the Jews and select other groups during the 1930's and 1940's. We will explore the roots of anti-Semitism and the states of prejudice/hate that were used to carry out state sanctioned mass murder on a scale never before seen or experienced since. We will look at the perpetrators, victims and bystanders and examine the role each played in this event in history. We will also examine Jewish and non-Jewish resistance and rescuers as well as the struggles faced by those who survived. We will end the course by investigating the long-term impact this event had on the world and other genocides.

**SPORTS & SOCIETY: THE HISTORY, ECONOMICS, GEOGRAPHY AND SOCIOLOGY  
OF SPORTS IN AMERICAN SOCIETY**

Code H1669  
Elective

Grades 11-12

½ Credit

Prerequisite: Modern World History & American History

This course will examine the core disciplines of social studies through the lens of sports in America. The goals of this course are to examine:

- How sports from each historical era reflect the political, social and economic events of that era.
- The role sports played in shaping the various political, social and economic events of historical eras.
- A variety of economic issues facing the sports industry/culture, such as ticket pricing, luxury taxes, competitive balance, retail strategies, revenue sharing, impact and rationale of government subsidies (i.e. taxpayer funded stadiums), salaries/contracts, salary caps, strikes, apparel/retail income, major market competition and advertising.
- Sports popularity, accessibility and participation in specific geographic locations within the country and how this impacts and/or reflects American values, economics and history.
- Positive and negative sociological aspects of sports, such as sports as a means of social mobility and character building, local sports and their impact on their communities, athletes giving back to their communities, problems associated with sports and athletes such as drug usage, pressure, scandals within sports (like doping, gambling, point shaving, cheating, bounties, paying college players), Title IX, race/class/gender struggles, consumerism and the media (coverage, advertising, literature, documentaries, feature films).



## TECHNOLOGY EDUCATION

<b>Code</b>	<b>Course</b>	<b>Credit</b>	<b>Gr. Level</b>	<b>Notes</b>
H50	Principles of Technology	½ Credit	9-12	Elective
H52	Introduction to Woodworking	½ Credit	9-12	Elective
H54	Wood Technology	½ Credit	10-12	Elective
H58	Introduction to Metals	½ Credit	9-12	Elective
H70	Power and Energy	½ Credit	9-12	Elective
H74	Architectural Drafting	½ Credit	10-12	Elective
H1054/ H2054	Wood Products Manufacturing	1 Credit	11-12	Elective
H76	Metals 2	½ Credit	10-12	Elective
H1090	Building Construction	½ Credit	11-12	Elective
H62	Home Maintenance	½ Credit	9-12	Elective
H95	Technology Applications	½ Credit	11-12	Elective

## **PRINCIPLES OF TECHNOLOGY**

Code H50  
Elective

Grades 9-12

½ Credit

Principles of Technology is recommended to be taken at the 9th or 10th grade level.

Principles of Technology is designed around problem solving, designing products, and teamwork.

A majority of the activities will be chosen by the instructor so as to give all the students equal experiences and to utilize the shop facilities as much as possible. Students will need safety glasses. Students will pay \$15.00 for project materials.

## **INTRODUCTION TO WOODWORKING**

Code H52  
Elective

Grades 9-12

½ Credit

Note: Introduction to Woodworking is the prerequisite for Wood Technology. Wood Technology is the prerequisite Wood Products Manufacturing.

This course deals with exploring the woodworking area of the technology education curriculum. A general approach will be utilized to give the student a broad base of information. This approach will help the student in making decisions as to their areas of interest relating to possible career choices and will also enable the student to have a preview of further woods courses in technology education.

The student will be introduced to the woods areas of the technology education program, giving the student a chance to study, observe, and use the basic tools and machines common to the woodworking field. A majority of the projects will be chosen by the instructor with input from students, so as to give all the students equal experiences and to utilize the shop facilities as much as possible. The students will pay \$25.00 for project materials. Safety is the number one focus of this course. Each student will need safety glasses and a 12-foot tape measure. It is recommended that this course be taken a year before Wood Technology.

## **WOOD TECHNOLOGY**

Code H54  
Elective

Grades 10-12

½ Credit

Prerequisite: Introduction to Woodworking

This course is designed to give the student a sound basis in the area of machine woodworking. The course will stress personal and equipment safety, basic construction techniques, project planning, and what can be done with wood in its basic form. Projects will utilize the many machines and tools common to the woodworking industry. Quality construction techniques will be used in the development of a wood project. This will take the form of a frame and panel door or a dovetail drawer. Students will pay approximately \$60.00 for project materials. It is possible that students will have to obtain their own materials for selected projects. You will need safety glasses and a 12-foot tape measure.

Woodwork Career Alliance, a unique wood skills and business partner program, will also be introduced to the students. Safety is the number one focus of this course. This course is recommended to be taken a year after the Introduction to Wood Working class.

## **INTRODUCTION TO METALS**

Code H58                      Grades 9-12                      ½ Credit  
Elective

This course is designed to give students a sound basis of metal working and welding. It will cover general welding, arc, oxy-aceleyne, mig, foundry, lathe and sheet metal. The student will also design and produce his/her own project, using the processes and skills that were practiced. Students will pay \$25.00 for project materials.

## **POWER AND ENERGY**

Code H70                      Grades 9-12                      ½ Credit  
Elective                      Prerequisite: Principles of Technology

This course provides students an opportunity to work with various materials and processes used in transportation. Emphasis will be placed on hands-on activities related to the technical aspect of transporting materials, goods, and people. Students will be familiarized with differing aspects of energy, energy conversion, propulsion, control, and suspension processes in transportation systems. Students will pay \$15.00 for project materials.

## **ARCHITECTURAL DRAFTING**

Code H74                      Grades 10-12                      ½ Credit  
Elective                      Prerequisite: Principles of Technology

This course is designed to give students a sound basis in the area of architectural drafting. This course will stress architectural drafting techniques with the use of 3D architectural software. The student will also design and build a three dimensional model home, including all necessary information that would allow construction of the home. Study of the residential house building industry and application of materials toward a general knowledge of home construction with a cost analysis of the house he/she designs will be emphasized.

## **WOOD PRODUCTS MANUFACTURING**

Code H1054/H2054                      Grades 11-12                      1 Credit  
Elective                      Prerequisites: Introduction to Woodworking and Wood Technology

This course is for the advanced student who wants to study and possibly make a career in the wood industry. Students will take an in-depth look at wood as a natural material and the processes it goes through to become a finished product. A student project will be researched, designed, and constructed to a standard of professional quality as a means to practice and gain the skills, problem-solving and knowledge that one would need to choose a career in the wood industry. The construction of a client based product is a requirement. A team-based product will also be constructed with each student being a member of a team. This is to simulate the woodworking industry and how working together is a necessity to survive in today's economy. A client/woodworker relationship will be established and seen through until the client is happy and satisfied with the quality and workmanship of their finished product. Project material costs are the responsibility of each student or the client. Safety glasses and a 12-foot tape measure are needed by the students. This course is recommended to be taken a year after the Wood Technology course.

## WOOD PRODUCTS MANUFACTURING (continued)

\*Students who earn a “Grade of B or better” (3.0 GPA) will be granted advanced standing at Wisconsin Indianhead Technical College in Rice Lake, Wisconsin. There is also the possibility of gaining validated woodworking skills with the Woodwork Career Alliance <http://www.woodworkcareer.org>.

### METALS 2

Code H76                      Grades 10-12                      ½ Credit  
Elective                      Prerequisite: Introduction to Metals

This course is designed to give students advanced skill in the processing of metals and plastics. This class will cover a more in depth hands-on study of MIG, TIG, electric arc, and oxyacetylene welding, along with foundry, lathe, and CNC milling. A student designed unit of study will be developed and presented to the class. The students will also design and construct their own value added products.

### BUILDING CONSTRUCTION

Code H1090                      Grades 11-12                      ½ Credit  
Elective                      Prerequisite: Introduction to Woodworking

This course is designed to familiarize students with the building construction industry. The course will further develop the understanding of the basic skills and work peculiar to the carpenter and task he or she performs on the job. Safety and safe working conditions are stressed. Each student must have his/her own sixteen foot tape measure, safety glasses, and a hammer. The project that will be constructed will be a small structure, such as a shed, playhouse, icehouse, or cabin. The construction methods for this project will be similar to that used in home construction. The Chippewa Valley Technical College in River Falls has an excellent program that the student may want to pursue, if students are interested in the construction process and want to study it further.

\*Students who earn a “Grade of B or better” (3.0 GPA) will be granted advanced standing at Wisconsin Indianhead Technical College in Rice Lake, Wisconsin.

### HOME MAINTENANCE

H62                              Grades 9-12                              ½ Credit  
Elective                              Prerequisite: None

This is a course designed to prepare students for the time when they are homeowners, renters, and car owners. We will cover units on home and apartment maintenance, and basic auto maintenance. The proper use of tools and equipment and safety will be stressed above all in this course. Students may also get to perform basic auto maintenance, electrical wiring and pipe soldering. Other chores that commonly confront home owners and renters may be undertaken, if possible.

Note: Because of the nature of the project involved, a **shop fee of \$15.00** will be collected to cover project supplies. Safety glasses are a requirement for this course.

## **TECHNOLOGY APPLICATIONS**

Code H95  
Elective

Grades 11-12

½ Credit

1 Term

Prerequisite: 2 technology education credits earned & instructor approval

Emphasis throughout this course will be to develop the skills and knowledge already gained in Technology Education. This course is designed for the student who has advanced in technology courses and exhausted possibilities as far as offerings. Written contracts between the teacher and student will act as a means to guide the student in his/her studies. The focal point will be a project that requires inquiry and research in order that the technology be applied to the particular situation and circumstance.

A resume and job search will also be prepared and conducted for the purpose of gaining meaningful employment in the technology field of study for related areas.

## **SOMERSET VIRTUAL SCHOOL PROGRAM**

To expand the educational options available to high school students, the Somerset School District has implemented a virtual school program. Virtual schooling allows students to complete high quality, interactive courses via electronic, online learning. Students interested in pursuing this option should contact the Somerset High School Virtual Education Coordinator and complete the Virtual Learning Application at least ten days before the end of the previous term (typically mid-October, early January, mid-March, and mid-May).

## **ALTERNATIVE EDUCATION PROGRAM**

The Alternative Education Program (AEP) is designed as an alternative for high school students who are having difficulty achieving in the regular high school environment. The AEP is based on the premise that students will alter their behavior and academic effort if they are provided with an appropriate alternative.

The mission of the AEP is to develop the skills of each student by providing them with a prescriptive, individualized curriculum that increases their opportunity to experience academic success. The program teaches responsibility while moving students toward earning a Somerset High School Diploma. Students are offered an individualized program and participate in a condensed school day, with emphasis on core curriculum based on Wisconsin's state graduation requirements. Credits earned from the district's traditional program will count toward graduation from the alternative program.

The AEP team (HS administrator, program coordinator, guidance counselors, and school psychologist) will review student referrals and make a recommendation for placement based on grade level/age discrepancy, significant credit deficiency, and/or other risk factors by administrative discretion.

## **WORK-BASED LEARNING PROGRAMS**

Somerset High School offers three (3) work-based learning options for students to explore career opportunities with local employers. Each program provides a unique combination of in-class and on-the-worksites experiences, including on-the-job observations and evaluations done by the district Work-Based Learning Coordinator. Students should apply for the program that best fits their post-secondary plans. The guidelines set forth by the Wisconsin Department of Public Instruction, in their Wisconsin Youth Leadership Certificate program, will be followed. These programs are only available to senior students in good academic standing (2.5 GPA and on-track for graduation), with no current attendance and/or discipline issues.

\*\*Transportation for these programs is not provided by the school district. Students who plan to drive themselves to/from the worksite must submit a completed Waiver of Liability form and provide copies of both a current driver's license and proof of automobile insurance prior to the start of the term in which they are enrolled in any work-based program.

## **SUPERVISED WORK EXPERIENCE**

H790

Grade 12

½ Credit

1 Semester

The Supervised Work Experience (SWE) program is designed to complement and supplement courses in the Career and Technical Education areas. Students enrolled in the SWE program work at school-approved jobs related to their career objectives. SWE enrolled students may earn one-half (1/2) credit per semester and may be released for 1 period (6<sup>th</sup> hour).

To be accepted into the SWE program, students must have an appropriate job secured prior to the start of the semester. (Students who fail to secure an approved job one day prior to the course drop deadline will be dropped from this course and scheduled into another course.) The worksite must be approved by the program supervisor (Wisconsin Department of Workforce Development guidelines must be met in order for a job to be approved.) To complete the course successfully and earn credit, students must complete the required documentation of their work experience during the course and work at least 90 hours per semester.

Students accepted into the program will meet regularly with the Work-based Learning Coordinator for routine discussions, check-ins, course documentation and reflections based on the Wisconsin Youth Leadership Certificate program.

## **SUPERVISED JOB SHADOWING**

H792

Grade 12

½ Credit

1 Semester

Students enrolled in this course may be released from school for up to three (3) hours per week to spend time with a school-approved Career Mentor from a field related to their career pathway and/or the course(s) in which they are enrolled. Students enrolled in this program spend their time observing the day-to-day work of their mentors at their workplace. Class time and assignments missed while students are shadowing their mentors must be made up on their own time.

To enroll for this program, students must meet with the school Work-based Learning Coordinator at least two weeks prior to the start of the term. The coordinator will assist the student in securing an approved Career Mentor within the first two weeks of the term.

To complete the course successfully and earn credit, students must complete the required documentation of their experience during the course and shadow their Career Mentor at least 50 hours per semester. For more information about the program, see the Wisconsin Department of Public Instruction Job Shadowing Guidelines at: [http://cte.dpi.wi.gov/cte\\_jobshadowing](http://cte.dpi.wi.gov/cte_jobshadowing).

Students accepted into the program will meet regularly with the Work-based Learning Coordinator for routine discussions, check-ins, course documentation and reflections based on the Wisconsin Department of Public Instruction Job Shadowing Guidelines.

## **SUPERVISED SERVICE LEARNING**

H794

Grade 12

½ Credit

1 Semester

Note: Does not count toward community service requirement

Students interested in making a significant impact in the community may be released for up to three (3) hours per week to volunteer at local non-profit organizations and/or to complete a major service learning project aimed at benefitting the Somerset community. Class time and assignments missed while students are volunteering must be made up on their own time.

To enroll for this program, students must meet with the school Work-based Learning Coordinator at least two weeks prior to the start of the term. The coordinator will assist the student in securing an approved volunteer activity and/or service learning project within the first two weeks of the term.

To complete the course successfully and earn credit, students must complete the required documentation of their experience during the course and volunteer for at least 50 hours per semester. For more information about the program, see the district Work-based Learning Coordinator.

Students accepted into the program will meet regularly with the Work-based Learning Coordinator for routine discussions, check-ins, course documentation and reflections. This course will follow the guidelines set forth in the Wisconsin Future Problem Solvers Community Problem Solving program.



