# SPRING VALLEY MIDDLE-HIGH SCHOOL COURSE DESCRIPTIONS High School Planning Guide 2016-2017

New this Year!

Contemporary Fiction-Mrs. Schultz Creative Writing-Mrs. Schultz Communications-Mr. Houlton Digital Publishing & Broadcasting-Mr. Bosshart



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### Spring Valley High School 2016-2017 Course Descriptions and Middle School Planner

The contents of this handbook have been adopted by the Board of Education and, while not all-inclusive, are presented as a matter of information for students and their parents or guardians. The material included in this handbook is considered an extension of school board policy.

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Note: Specific courses with (\$) indicate an expected project fee or expected additional material costs.

#### SVHS GRADUATION REQUIREMENTS

Students must carry a minimum of 3.5 credits per semester and attend 4 years.

(See exception under "Early Graduation Option" on p. 5.

Earn 26.0 or more credits

Spring Valley High School graduation requirements specify that students must earn a minimum of the following <u>REQUIRED COURSE CREDITS</u>:

<u>4 credits</u> of English:		
English 9	1 credit	English 12 or A.P. English
English 10	1 credit	1 credit
English 11	1 credit	
3 credits of Social Stud	ies:	
World Geograp	ohy (9)	1 credit
American Histo	ory (10)	1 credit
Civics (11)	• • •	1/2 credit
and at least one of the follow	ing 1/2 credit cour	see: Social Issues, Law and You, Social Histo

and <u>at least one</u> of the following ½ credit courses: Social Issues, Law and You, Social, History of Thought, WWII History, Science & Society A, Wisconsin History, AP History, AP Psychology

#### 3 credits of Science:

Physical Science (9)	1 credit
Biology (10)	1 credit
Applied Physics* (11)	1/2 credit
Senior Science** (12)	1/2 credit

\*Applied Physics requirement can be replaced by passing ½ credit of either Chemistry or Physics \*\*Contemporary Issues in Science, Science Theory, Advanced Chemistry, Water Science, Geology, Anatomy & Physiology, Astronomy, Biotechnology & Genetics, Ecology, Organic Chemistry, Oceanography, Marine Biology, Electricity & Magnetism, Science & Society B, Zoology, Meteorology. Exceptions to the Senior Science requirement may be approved by the Principal if students have previously successfully earned 4 or more credits in Science.

#### 3 credits of Math - Program I, Program II, and Program III options listed below:

Algebra IA (9) 1 credit	Algebra I (9) 1 credit	Algebra I (8)Elective Credit
Algebra IB (10)1 credit	Geometry (10)1 credit	Geometry (9) 1 credit
Geometry (11) 1 credit	Algebra II (11)1 credit	Algebra II (10)1 credit
Note: In <u>Program I</u> , Algebra	Note: Program II is the	Pre-Calculus (11)1 credit
IA is taken as a 9 <sup>th</sup> grader by	traditional mathematics	Calculus (12)1credit
recommendation of instructor.	program. 3 years of math	Note: In Program III, Algebra I
	taken in grades 9-12 is	is taken as an 8 <sup>th</sup> grader by
	required.	recommendation of instructor.

#### <u>1 <sup>1</sup>/<sub>2</sub> credits</u> of Physical Education:

Physical Education (9) - <sup>1</sup>/<sub>2</sub> credit

Physical Education  $(10) - \frac{1}{2}$  credit

Physical Fitness, PE 11, PE 12, Wellness, Sports Officiating - 1/2 credit

#### <u>1 <sup>1</sup>/<sub>2</sub> credits</u> of other required subjects:

Document Processing (9)	½ credit
Health (9)	½ credit
Financial Literacy for the Young Adult (11)	½ credit

<u>A minimum of 10 elective credits</u>: In addition to the 16 credits listed above, <u>students</u> <u>must earn the necessary elective credits</u> to achieve the total credit minimum as specified above (26.0 credits) and in Board Policy.

Students are encouraged to make normal progress toward graduation. A high school student's grade level classification is determined in part by the number of semester credits earned. Yearly determination is made after summer school and prior to the opening of school based on the following number of credits accumulated: <u>18.0+ and enrolled in at least their seventh semester are Seniors</u>, <u>13.0+ are Juniors</u>, and <u>6.5+ are Sophomores</u>, unless otherwise specifically exempted. If a student is found to be credit deficient, the student and his/her parent will participate in discussions with the school counselor and high school principal to establish a remediation plan designed to help the student get back on track to graduate with his/her class. Remediation plans may allow for the student to advance in grade level classification or may require grade level retention.

Freshman Year	Sophomore Year
English 9 World Geography Physical Science Algebra 1A or Algebra I or Geometry Document Processing (Semester) Health (Semester) Physical Education (Semester)	English 10 American History Biology Algebra 1B or Geometry or Algebra II Physical Education <i>(Semester)</i>
Junior Year	Senior Year
English 11 Civics (Semester) Applied Physics (Semester) Chemistry or Physics may be taken in place of Applied Physics Algebra II or Geometry Financial Literacy for the Young Adult (Semester) Physical Education (One Semester Junior or Senior Year) College Bound students: Additional science, math, and world language courses.	English 12 or AP English Note: Mythology can be substituted for one semester of English 12 or AP English <u>only</u> if participating in Early Graduation Social Studies Elective One Semester of Science from this approved list: Contemporary Issues in Science, Science Theory, Advanced Chemistry, Water Science, Geology, Anatomy & Physiology, Astronomy, Biotechnology & Genetics, Organic Chemistry, Oceanography, Marine Biology, Ecology, Electricity & Magnetism, Science & Society B, Zoology, Meteorology Physical Education (One Semester Junior or Senior Year) College Bound students: Additional science, math, and world language

#### SVHS REQUIRED COURSES

## THE FOUR-YEAR HIGH SCHOOL PLAN

The four-year high school plan is an individualized tentative schedule for each of the freshman, sophomore, junior, and senior years. This plan is developed with the assistance of the guidance counselor at the end of 8<sup>th</sup> grade and should include input from students, parents, and staff. While making the plan it is important to keep in mind the following: graduation requirements, skills and interests, career plans, college and technical school requirements, and for athletes, NCAA requirements. A student's four-year high school plan should be reviewed and revised each year with adjustments made for academic performance, revised career plans, personal interests, and changes in curricular offerings.

### EARLY GRADUATION OPTION

The purpose of the four-year high school program is to provide students with a combination of academic, vocational and social experiences that will prepare them for entry into the world of work, further training and/or continued academic enrollment. Most students graduating from high school exceed minimum requirements.

The Spring Valley School District Board of Education authorizes the early graduation from high school of those students who have successfully met the school system's graduation requirements. A student with particular and unusual needs may apply for early graduation, provided all requirements for graduation as mandated by the State of Wisconsin and Spring Valley School District are fulfilled. The District, upon written request from the student and their parent or legal guardian, made prior to May 30<sup>th</sup> of the student's Junior year (their sixth semester), may choose to grant the student a high school diploma prior to his/her completion of the eighth semester. More information and the SVHS Early Graduation policy are available in the HS office.

### **<u>RETENTION / INTERVENTION</u>**

<u>Middle School students</u> (grades 6 - 8) who fail any semester of a "core" course (Language Arts, Math, Social Studies, or Science) have two options for remediation:

- Attend and pass **summer school** for the full session (if offered).
- Parents purchase a pre-approved, semester length, grade level appropriate <u>online or correspondence course</u> to be satisfactorily completed and submitted prior to being fully promoted to the next grade level.

If the course is not successfully remediated by the start of the next school year, the student will repeat the core course for the semester(s) during which s/he failed.

Middle school students who have failed two or more <u>semester</u> core courses will have their areas of deficiency formally reviewed to better determine the appropriate intervention. If after meeting with parents or guardians, the causes are not educational in nature and satisfactory solutions cannot be implemented, retention at the same grade level may be considered. The final decision regarding retention will be made by a Review Team consisting of the principal, guidance counselor, case manager and at least one classroom teacher currently working with the student.

<u>High School students</u> (grades 9-12) who fail any semester of a required course have two options for remediation:

- Attend and pass **summer school** for the full session (if offered).
- Parents purchase a pre-approved, semester length, grade level appropriate <u>online or correspondence course</u> to be satisfactorily completed and submitted prior to being fully promoted to the next grade level.

If the course is not successfully remediated by the start of the next school year, the student will repeat the required course for the semester(s) during which s/he failed. If class sizes allow and the student shows a strong desire to succeed, students may choose to repeat elective classes which they have previously failed.

For additional details on intervention and retention, see the *Student Handbook*.

### VOCATIONAL-TECHNICAL COLLEGES <u>ADMISSION REQUIREMENTS</u>

Wisconsin System Vocational-Technical Colleges require a high school diploma or equivalency in order to enroll in the Vocational Diploma or Associate Degree Programs. Many programs have additional, more stringent and selective admission requirements. For specific information, consult the desired college catalogs or go online at web sites such as:

#### http://www.witechcolleges.org

### UNIVERSITY OF WISCONSIN SYSTEM MINIMUM CREDIT REQUIREMENTS

All 26 University of Wisconsin System institutions require students graduating from high school to earn a **<u>minimum</u>** of 17 specific high school credits distributed as follows:

I.	Core College Preparatory	13 required credits:
	English	4 credits
	Mathematics (See Math Dept no	otes p.24) 3 credits
	Social Science	3 credits
	Natural Science	3 credits
II.	Elective Credits	<u>4 credits</u>
TC	<b>TAL</b> specified by UW System:	17 credits

Elective credits are chosen from the above core college preparatory areas, foreign language, fine arts, computer science and other academic areas. Some UW System institutions may also accept vocational courses for some of the 4 elective credits. Some institutions <u>REQUIRE</u> TWO CREDITS OF A SINGLE FOREIGN LANGUAGE while others strongly recommend it. Planning your course selection carefully for your four years of high school will help ensure that you will qualify for admission to a specific university, whether in the UW System or elsewhere.

All students are encouraged to plan to exceed the minimum number of college preparatory credits required for admission. Students who choose a rigorous high school curriculum are not only preparing themselves

better for college entrance examinations (ACT, SAT), but are also in a position to be more successful in college. A common example of university admissions standards includes not only reviewing ACT scores and class rank, but an increasing review of the candidate's high school course selections. Strong academic preparation for college helps to ensure success. An extremely informative electronic source for UW System campus information and student advising is:

#### http://www.uwhelp.wisconsin.edu

### STUDENT SCHOLARSHIPS

The Board of Education encourages the acceptance and disbursement of student scholarships and awards to graduating seniors. Traditionally, scholarships are announced during the school's Senior Awards Night in May. Literature concerning available scholarship opportunities, requirements and application deadlines are posted and available through the school guidance office with a general list also posted on the school district web site at: **www.springvalley.k12.wi.us**. Another valuable free resource can be accessed at: **www.fastweb.com**.

### EDUCATIONAL ASSESSMENT

One way for students to demonstrate their progress toward meeting academic standards is through participation in statewide assessments aligned with the Wisconsin standards. Wisconsin State Statute 118.30 requires implementation of the Wisconsin Student Assessment System (WSAS) testing at grades 4, 8, and 10 designed to be aligned with state standards in science and social studies. No single test can tell whether students have learned everything that is important for students to learn. The long term goal is for every child is to progress to the proficient and advanced levels of academic performance.

These standardized tests include commercially-developed questions used in schools across the country along with questions developed specifically for Wisconsin in order to address Wisconsin academic standards. Many changes are being made at the state level and continuing implementation of new assessments will be given to our students. The Forward Exam was given in the 2016 school year for grades 3, 5, 6 & 7 in English and math; 4 & 8 in English, math, science and social studies; and grade 10 in social studies. This is a computerized test given to our students in the spring. Students in grades 9 and 10 will be given the ACT Aspire exam as state assessment. This will be given in the spring for 9<sup>th</sup> and 10<sup>th</sup> grade students. ACT Aspire is a computerized, longitudinal assessment system that connects growth and progress from elementary grades through high school in the context of college and career readiness. Aspire has replaced the PLAN test in the ACT assessments. The state is also requiring ALL juniors to take the ACT assessment on February 28 and ACT WorkKey on March 1, 2017.

The Wisconsin Department of Public Instruction (DPI) and ACT coordinate the state testing throughout the school year. Schools must follow strict ACT testing procedures.

More information regarding the Wisconsin Model Academic Standards and assessment or accountability can be found at:

#### http://commoncore.dpi.wi.gov/ http://www.dpi.state.wi.us/standards/ http://dpi.wi.gov/oea/

### YOUTH OPTIONS PROGRAM

The Youth Options program allows all 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, nonprofit institutions of higher education and receive high school credit while beginning their college transcript. The program opens the door to greater learning opportunities for students who are considering a technical career, students wishing to begin college early, or students who want to prepare to enter the workforce immediately after high school graduation.

Since all public high schools are mandated to participate in the Youth Options program, all juniors and seniors in Wisconsin public schools who meet the program requirements are eligible to apply. As authorized by state law, the Spring Valley Board of Education has established a policy limiting the number of post-secondary semester credits for which the school board will pay to eighteen (18). This is equivalent to 4.5 high school credits.

Parents or students are responsible for transportation between the school and the college. To be recommended for the program, a student must:

• Have completed the 10<sup>th</sup> grade (12.5 credits or more), be in good academic standing (holding a <u>cumulative</u> high school GPA of at

least a B- average shown as 2.67 or greater), have a good attendance record, and have no record of disciplinary problems.

- Notify the school board (completing DPI form PI8700A) of the student's intention of enrolling in a college no later than March 1 for a course to be taken in the fall semester, or October 1 for a course to be taken in the spring semester.
- Apply to the college in the school semester prior to the one in which the student plans to attend the post-secondary course.
- Notify the school board designee if the student is admitted to the college.
- Notify the school board designee if the student is then registered to attend a post-secondary course.

The parent or guardian is responsible for satisfactory student attendance and the student's compliance with the compulsory school attendance law under Wisconsin Statutes 118.15(1)(a). Students should be aware that the grade earned becomes part of their permanent academic record at both the high school and college levels and could be a factor in full time college admissions. The school board may request reimbursement of the Youth Options payment if the student receives a failing grade or fails to complete the course. The student's parent/guardian or the student, if s/he is an adult, is expected to reimburse the district for the payment upon request.

Application to participate in Post-Secondary Enrollment Options must be made via the Guidance Counselor to the Board of Education prior to March 1, for fall term and October 1, for spring term. For further 'Youth Options' information visit the Wisconsin DPI website at <u>http://www.dpi.state.wi.us/dpi/dlsis/let/youthop1.html</u> and your Guidance Counselor.

#### **ADVANCED PLACEMENT ® COURSES**

The Advanced Placement (AP) curriculum is part of a nation-wide program where course offerings available through SVHS give our students the opportunity to gain skill and build positive study habits by trying college-level work in high school. If students choose to take the AP Exam in the spring and earn a qualifying grade, colleges give credit or advanced placement standing in that subject. Students do<u>not</u> have to be enrolled in an AP class in order to take the AP tests. The AP program differs from Wisconsin's 'Youth Options' program in that a nonqualifying AP Exam or semester grade will not be recorded on the student's college transcript. The examination fee for each national AP exam is \$92.00. For those 'academically qualified' students who are unable to pay the full exam fee, application may be made to AP Central, which could lower or waive the fee. For students who are eligible for free or reduced-cost lunches the AP Exam fee for qualifying students is \$62.00 per exam. More information on the tests or fees is available through the guidance office and on line at:

#### http://apcentral.collegeboard.com

### SCHOOL-TO-WORK PROGRAM

School-to-Work is an educational initiative in Wisconsin that encourages students to become "technologically" educated. This "hands-on" approach is designed to give students an applicable task-based curriculum. These practical experiences are intended to aid students in the successful transition from high school to post-secondary education and/or directly into the world of work.

Many of our elective course offerings have begun to incorporate this educational philosophy into their curricula. Some classes provide advanced standing at Chippewa Valley Technical College (CVTC) campus and Wisconsin Indianhead Technical College (WITC) campus programs if students successfully complete the courses. The courses are noted on transcripts with an (AS) for Advanced Standing credit. The condition for receiving AS credit is a grade of a B or better (3.0 GPA). These courses can vary from year to year.

See Mrs. Bauer for more information regarding Tech Prep Programming or the articulation of courses with CVTC-Eau Claire/Menomonie/River Falls or WITC-New Richmond/Rice Lake.

#### http://www.witechcolleges.com/map.htm

### TRANSCRIPTED CREDIT

Entire technical college courses (Document Processing, Plant Science, Horticulture Science, Accounting, Information Processing, \*Chemistry + Advanced Chemistry and Welding) are taught to high school students for Transcripted Credit. The student receives an official technical college transcript with grade and credit(s) recorded upon completion of the course(s) if final grades reflect a C or better. All courses taken for technical college credit appear on a student's high school and college transcript and are transferrable to other technical colleges and UW-River Falls. Enrollment for college credit is optional and there is no cost.

### A COLLEGE CHECKLIST FOR MIDDLE AND HIGH SCHOOL STUDENTS (and their parents):

- -Develop a 4-year high school plan so you know that you will meet minimum college, university, or program specific entrance requirements.
- -Use the Wisconsin 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> grade tests to help you with post-secondary planning.
- -Consider taking the PSAT in the fall of your junior year. Use this as a practice test for the ACT or SAT.
- -All 9<sup>th</sup> and 10<sup>th</sup> graders will take the Aspire test in the spring.
- -ACT will be given to <u>ALL</u> juniors on February 28, 2017.
- -Explore possible college majors with your parents, school counselor, and friends. Be sure to take advantage of meeting with various college and university representatives when they visit your school. Visit campuses that interest you. Visits can include tours and information sessions, as well as special preview days. Attending educational fairs is also a great way to meet college admissions counselors and get valuable information.
- -During fall semester of your junior year, students should schedule a career planning conference with Mrs. Bauer.
- -Apply for admission early in your senior year. UW System institutions begin processing applications on September 15<sup>th</sup>. The Wisconsin Technical College system accepts applications beginning the first Monday of October of your senior year.
- -Apply for financial aid beginning January 1<sup>st</sup> of your senior year in high school. Free Applications for Federal Student Aid (FAFSA) forms are available at www.fafsa.ed.gov
- -Investigate scholarship opportunities. Local scholarship offerings, due in the first Monday in April of your Senior year, are extensive but competitive. Start early.

# SPRING VALLEY HIGH SCHOOL 2016-2017 <u>COURSE OFFERINGS</u>

### AGRICULTURE EDUCATION

#### AGRICULTURE BUSINESS MANAGEMENT

Semester Elective - Grades 11-12

This class will cover the following units: careers, getting established in farming, organizing and managing the farm business, basic economic principles, various types of costs and risk aspects of farming, farm records, insurance, safety, business law, taxes, lending organizations, soil conservation, and types of farm business organizations. There will be extensive use of computer technology in this class.

### **AGRICULTURE SURVEY**

Year Long Elective - Grades 9-12

(Preferred but students may enroll for either semester as well)

This introductory course will acquaint students with the broad field of agribusiness. The student will explore career clusters such as agriculture production; pet/pleasure animals and crops; natural resources including soil, air, water, forestry, and wildlife; and the production and processing of meats, fruits, vegetables, and dairy products. Horticultural science, including greenhouse, nursery and landscape/turf, will be covered as well as agribusiness sales and marketing and agriculture in government. FFA and agricultural leadership opportunities are recommended and will be provided. Resource speakers, field trips and hands-on activities will be included. Students are encouraged to take part in FFA activities.

### BASIC AGRICULTURAL VEHICLE MAINTENANCE

Semester Elective – Grades 10-12

Have you ever wondered how to take care of your vehicle without having to pay someone to do it? If you have, this class is for you. This beginner class will introduce the students to the repair and maintenance of automobiles and trucks. Areas of study and lab work will include: careers in the automotive field, purchasing your first vehicle, repair orders, cost estimates, learning how to read vehicle manuals, shop safety, proper use of tools and equipment, preventative maintenance, changing oil, wheel and tire service, tire balancing and rotation, battery service, bearings and brakes, cooling systems, and other basic automobile repair knowledge.

### FARM MACHINERY

Semester Elective - Grades 11-12

Grade 10 with Instructor Permission

The emphasis in this class will be placed on preventative types of maintenance, adjusting, and servicing of farm field machinery. Basic hydraulic theory and application will be included.

### HORTICULTURE SCIENCE

Semester Elective - Grades 10-12

This is a transcripted credit class; students may enroll for college credit through CVTC. There is no cost! Units covered will include: Computer aided landscape designs, lawn care, trees, shrubs, flowers, and pruning, care of houseplants, plant propagation, plant growth, greenhouses, home gardening and identification of various plants and shrubs.

### LARGE ANIMAL SCIENCE

Semester Elective - Grades 10-12

Animal Science provides fundamental knowledge of the types and care of large animals. Students will learn the various terms used in the animal science field. The course will explore topics about animal health, types of animal housing, feeds and nutrition, safe animal handling techniques, evaluation (judging), genetics, various breeds and their history, along with products derived from animals. Students may have the opportunity to work with large animals including horses, sheep, goats, pigs, and cattle.

### PLANT SCIENCE

Semester Elective - Grades 10-12

This is a transcripted credit class; students may enroll for college credit through CVTC. There is no cost! Units covered are plant and animal cells, plant parts, genetics, plant growth and reproduction, along with various propagation techniques learned in a lab setting. Several different types of farm crops will also be studied along with the soils they are grown on.

### WELDING I

Semester Elective - Grades 9-12 - (\$)

In this 1 credit transcripted credit class, the students will learn the application of basic stick welding, MIG (wire-feed) welding, and TIG welding. Types of welds used around the home and farm such as flat bead, vertical up and down, tee weld, butt weld, etc. will be mastered.

### WELDING II

Semester Elective - Grades 9-12

Prerequisite: Welding I

Enrollment with approval of instructor or principal

This class will be project-based using the skills mastered in Welding I.

### WILDLIFE CONSERVATION/FORESTRY

Semester Elective - Grades 10-12

Grade 9 with 1 semester of Agriculture Survey

Prerequisite: Agriculture Survey

Students will study careers in wildlife conservation, types of wildlife, their habits and habitats, trapping and hunting rules and regulations, gun and bow hunting, fish species and fishing, agriculture, endangered species protection, tree varieties, characteristics and uses, chain saw safety, scaling logs, estimating lumber, and forestry careers.

#### **SEE NORTHERN LIGHTS OFFERINGS FOR: AGRICULTURAL LEADERSHIP**– Semester Elective (11&12)

Agriculture Classes not offered in 2016-2017

- Agriculture Power
- Small Animal Vet Science

# ART EDUCATION

### **GENERAL ART**

Semester Elective - Grades 9-12 - (\$)

This class is an introductory art class that allows students to solve problems using the elements and principles of design. All aspects of this class lay the groundwork that will be continued in the advanced classes. Drawing, painting, sculpture, and art history are covered in this class in an attempt to help students learn to appreciate art and to improve production skills. Lab fees vary based on student selected project materials.

### CERAMICS

Semester Elective – Grades 9-12 – (\$)

Prerequisite: General Art

This class will be dedicated to eighteen weeks of clay. Two areas of focus in this class will be the potter's wheel and off-wheel work. Beginning through advanced throwing techniques will be covered with the wheel. This will range from learning to center clay to making mugs, bowls, plates and possibly lidded containers. Hand building techniques such as slabs, extrusions, slumping and forming will be used to cover a variety of ceramic possibilities. Clay and glaze structure, bodies, types, and firing ranges will be covered to enable you to push this art material as far as possible. This class is designed to provide a strong ceramics foundation and to promote personal exploration in ceramics. The lab fee for materials will be approximately \$25, depending on student projects chosen. Be ready to be dirty!

### **GLOBAL ARTS AND CRAFTS**

Semester Elective - Grades 10-12 - (\$)

Prerequisite: General Art

This class will continue the interdisciplinary concepts from General Art. Emphasis will be on Commercial Art, Folk Art, and Crafts of Non-European Cultures. Papermaking, book-making, weaving, leatherwork, masks and ceramics will be covered.

### SENIOR ART

Semester Elective – Grade 12 – (\$)

Prerequisite: General Art and 12<sup>th</sup> grade status or 11<sup>th</sup> grade status with at least 3 semesters of high school art classes and permission from the instructor

This class allows seniors a last chance to study the areas of art in which they have already received background. In essence, this is an independent work studio. Independent work and two research presentations comprise the bulk of this class. Lab fees vary based on student selected project materials.

### VISUAL LITERACY AND POP CULTURE

Semester Elective – Grades 10-12

Prerequisite: General Art, (2-D Art suggested)

Popular art and the mass media (TV, movies, ads, and radio) are all creative products studied and discussed in this class. These art forms are the most common art forms people see in their everyday life. This class will focus on the works of art we see hundreds of times each day. Often people forget that someone designed and created these visual images to get attention. The attention these visual images get can contribute to current social and global issues. We will discuss the design and use of these images by viewing them in videotapes, movies, music videos, ads and television. Students will read, discuss and research information, then show through their art the ideas they have developed.

### **SEE NORTHERN LIGHTS OFFERINGS FOR:**

• **ART APPRECIATION**– Semester Elective (11&12)

Art Courses not offered in 2016-2017

- Two Dimensional Art I & II
- Three Dimensional Art I & II
- Advanced General Art
- Intro to Art

# BUSINESS AND INFORMATION TECHNOLOGY

### **DOCUMENT PROCESSING**

#### Semester Required - Grade 9

The primary purpose of this course is to help students develop speed and accuracy by reviewing the touch type method of the keyboard. Topics include simple proofreading techniques, formatting of letters, memorandums, reports, and tables, along with basic operation of the microcomputer as a word processor. A simulation is the last project of the semester. This is a transcripted credit class; students may enroll for college credit through CVTC.

### ACCOUNTING I

#### Semester Elective – Grades 10-12

This one-semester class covers the basics of the accounting cycle for businesses organized as sole-proprietorships and partnerships. This is a transcripted credit class; students may enroll for college credit through CVTC. There is no cost! Students will learn how to open accounts, record transactions, and prepare financial statements.

### DIGITAL PUBLISHING & BROADCASTING

# (FORMERLY DESKTOP PUBLISHING) NOTE: Student who have taken Desktop Publishing ARE permitted to enroll in this class.

Year-Long Elective – Grades 9-12 - With instructor permission, students may be permitted to take just one semester or the other. Prerequisite: Document Processing

Would you like to be able to publish a document and have it look like it was printed professionally? Would you like to create audio and video publications that can be viewed and listened to on any device? Or maybe you would like to be part of a production team that broadcasts events live on the Internet? If so, then Digital Publishing & Broadcasting is the course for you!

Digital Publishing & Broadcasting is a two-semester class designed to provide the basics to learning how to create page layout documents, audio and video publications, and live streaming events using a variety of hardware and software. Programs that will be utilized in this class include Adobe InDesign, Adobe Photoshop, GarageBand, and iMovie. Students will learn how to produce professional quality documents as well as audio and video productions that will be ready to go live on the Internet.

### **FINANCIAL LITERACY FOR THE YOUNG ADULT** Semester **Required -** Grade 11

This one-semester course will provide students with the skills and concepts needed to gain personal and financial responsibility related to financial planning, savings, investments, and charitable giving in the global community by exploring the relationship between income and careers, money management, credit and debt management, risk management and investing, protecting assets and insurance, taxes, and becoming a critical consumer.

### PUBLICATIONS

Year Long Elective – Grades 11-12

Prerequisites: Earn at Least a B in Desktop Publishing

Would you like to have a voice in the creation of the *Mirror*, our school yearbook? How about capturing that extraordinary moment with a photograph? Or recounting the events that made the year memorable? If this sounds exciting, then this is the course for you. *Publications* is your opportunity to work as part of a team to create a lasting memory that can be shared for years to come with the entire school community.

Business Courses not offered in 2016-2017

- Advanced Digital Publishing
- Information Processing
- Intro to Web Design using Adobe CS3

# **COMPUTER SCIENCE**

### **EXPLORING COMPUTER SCIENCE 1**

Semester Long Elective – Grades 9-12

**NOTE:** Students may enroll in first semester only and choose to take the second semester at another time.

Exploring Computer Science 1 is a semester long course consisting of 3 units, approximately 6 weeks each. The course is developed around a framework of both computer science content and computational practice. Units utilize a variety of tools/platforms, and culminate with final projects around the major topics. Ethical and social issues in computing, and careers in computing, are woven throughout the three major units.

**Human Computer Interaction** – Students will learn the characteristics that make certain tasks easy or difficult for computers compared to humans. Students will gain an appreciation for the many ways in which computing-enabled innovation have had an impact on society, as well as the many different fields in which they are used.

**Problem Solving** - This unit provides students with opportunities to become "computational thinkers" by applying a variety of problem-solving techniques as they create solutions to problems that are situated in a variety of contexts.

**Programming** – Students design algorithms and create programming solutions to a variety of computational problems using an iterative development process in Scratch.

### **EXPLORING COMPUTER SCIENCE 2**

Semester Long Elective – Grades 9-12

**NOTE:** Students may enroll in second semester only and choose to take the first semester at another time.

Exploring Computer Science 2 is a semester long course consisting of 3 units, approximately 6 weeks each. The course is developed around a framework of both computer science content and computational practice. Units utilize a variety of tools/platforms, and culminate with final projects around the major topics. Ethical and social issues in computing, and careers in computing, are woven throughout the three major units.

**Web Design** – Students take the role of a developer by expanding their knowledge of algorithms, abstraction, and web page design and applying it to the creation of webpages and documentation for users and equipment.

**Computing and Data Analysis** – Students will use computers to translate, process and visualize data in order to find patterns and test hypotheses.

**Robotics** - This unit introduces robotics as an advanced application of computer science that can be used to solve problems in a variety of settings from business to healthcare and how robotics enables innovation by automating processes that may be dangerous or otherwise problematic for humans.

# ENGLISH

### **ENGLISH 9**

#### Year Long Required - Grade 9

This course is designed to improve speaking and listening skills, reading comprehension, vocabulary, and writing ability. Students will be expected to engage in a wide variety of speaking scenarios, including graded discussions and class presentations. Students will be pushed to develop higher level thinking skills by analyzing and evaluating texts, and creating texts of their own. They will read a variety of short stories, non-fiction articles, and four novels: *The Graveyard Book, Night, To Kill a Mockingbird, and The Princess Bride.* In addition, the vocabulary students learn will come from the novels they are reading. Finally, students will write often in a wide variety of formats including paragraph quick-writes, short literary analysis essays (1 page), and papers (3-4 pages, 1 per term).

#### **ENGLISH 10**

#### Year Long Required - Grade 10

This course is designed to improve speaking and listening skills, reading comprehension, vocabulary, and writing ability. Students

will be expected to engage in a wide variety of speaking scenarios, including graded discussions and class presentations. Students will be pushed to develop higher level thinking skills by analyzing and evaluating texts, and creating texts of their own. They will read a variety of short stories, non-fiction articles, and three novels: *Of Mice and Men, Fahrenheit 451*, and a war novel of their choosing from the following: *All Quiet on the Western Front, The Things They Carried, Fallen Angels, A Farewell To Arms*, and *Code Talker*. In addition, the vocabulary students learn will come from the novels they are reading. Finally, students will write often in a wide variety of formats including paragraph quick-writes, short literary analysis essays (1 page), and papers (4-5 pages, 1 per term).

### **ENGLISH 11**

#### Year Long Required – Grade 11

This course is designed to improve students' reading, writing, and communication skills. Students will read, analyze, and interpret classic works of American literature. Required readings include *The Crucible, The Scarlet Letter, The Great Gatsby,* and *The Glass Menagerie.* Students will also read and interpret poetry, speeches, and short stories. Writing for different purposes throughout the year, students will compose written work to fit informative, persuasive, and expressive modes. In addition, students will be taught to write in a clear, coherent style through grammar practice and vocabulary building. Finally, communication skills will be developed through both individual and group presentations.

### ENGLISH 12

#### Year Long **<u>Required</u>** <u>OR</u> AP English – Grade 12

This course is designed to polish students' reading, writing, and communication skills. Students will read, interpret, and critically analyze English literature in order to understand the human experience. Required readings include *Macbeth, Frankenstein, 1984,* and *Pygmalion.* Students will also choose novels from an approved list of contemporary world fiction and participate in Inquiry Circles. Writing for different purposes throughout the year, students will compose written work to fit informative, persuasive,

and expressive modes. In addition, students will be taught to write in a clear, coherent style through grammar practice and vocabulary building. Finally, communication skills will be perfected through both individual and group presentations.

### AP ENGLISH LITERATURE AND COMPOSITION Year Long <u>Required OR</u> English 12 - Grade 12

Requirements: B+ average in English 11, pre-test at the end of junior year, and a summer reading/writing assignment

This course is designed for college-bound students who are prepared to read actively and deliberately; it is structured to take the place of a first-year college English course. Students will be able to explain clearly, cogently, and elegantly what they understand about literary works, demonstrating their interpretation through analytical writings. Students will read works from the Anglo-Saxon period through the twentieth century. Required readings include *Hamlet, Oedipus Rex, Great Expectations, Metamorphosis, Heart of Darkness*, plus monthly independent novel readings from a selected list. Writing for various purposes and audiences will be expected to prepare students for their posthigh school education. Students will take practice AP tests in preparation for the AP English exam offered in the spring for a fee, which could result in college credit.

### **CONTEMPORARY FICTION**

Semester Elective – Grades 10-12

Who are we, really? Contemporary Fiction is designed for students who enjoy reading and talking about reading and who would like to study literature published in the last 20-30 years. This course is designed to hone students' reading skills and help them explore cultural identity through the written word. Students will read, interpret, and critically analyze a variety of novels and short stories from a diverse group of writers, hold "book club" style discussions, and reflect upon themes and style in order to understand the human experience. Note: Contemporary Fiction may be substituted for one semester of English 12 or AP English only for students participating in Early Graduation.

### **CREATIVE WRITING**

Semester Elective – Grades 10-12

In this exciting course, students will learn the nuances of composing their own works of fiction, poetry, and memoirs. Creative writing is designed to aid students in their creative expression, as well as delivery of one's writing. To begin, students will read and evaluate the effectiveness of works of fiction and poetry and will demonstrate knowledge of literary and poetic vocabulary. Students will spend the rest of the semester writing and revising several pieces of their own creation, working towards the completion of a portfolio. Note: Creative Writing may be substituted for one semester of English 12 or AP English only for students participating in Early Graduation.

### MYTHOLOGY

Semester Elective - Grades 10-12

Students will discover many Latin/Greek mythological references found in modern civilization through reading classical Greek and Latin mythology. This will include myths explaining various elements of nature as well as stories of love and adventure. Students will study tales of famous heroes and read epic adventures such as The Iliad and The Odyssey. They will observe films based on what they have read, allowing them to analyze another media form. Students will occasionally try creating Greek cuisine after researching recipes; therefore, contributing food items will be requested. Group creative projects and creative writings are also a part of this course. Note: Mythology may be substituted for one semester of English 12 or AP English only for students participating in Early Graduation.

### COMMUNICATIONS

#### Semester Elective - Grades 10-12

This course will teach students to use effective verbal and nonverbal communication to clearly convey their message in a variety of settings. Students will participate in traditional academic speaking situations (e.g. giving a presentation) as well as "realworld" scenarios such as a mock interview, sales pitch, and media broadcast. Through this course, students will grow in their ability to speak with confidence, clarity, and enthusiasm. Students will gain the confidence and skills to successfully communicate in college and the workforce. Note: Communications may be substituted for one semester of English 12 or AP English only for students participating in Early Graduation.

#### **SEE NORTHERN LIGHTS OFFERINGS FOR: WOMEN'S LITERATURE**– Semester Elective (11&12)

# HEALTH

### HEALTH 9

#### Semester Required - Grade 9 or Health 9B

The interest in good health is greater today than it has ever been. More and more people have the desire to live higher-quality lives. This course will identify the factors that contribute to health and a positive life-style. Topics such as nutrition, wellness, chemical abuse, first aid, human growth and development will be included. For parents of students who prefer to cover human growth and development topics themselves, there is a Health 9B course offered as enrollment allows.

### **ADVANCED HEALTH**

Semester Elective – Grades 9-12

Prerequisite: Health 9

Advanced Health will address topics such as world health issues (e.g. diseases, water quality, and access to healthcare), differences in worldwide healthcare systems, and the variety of options for careers in the medical/healthcare fields. This course is designed for students who are interested in the science of good health, as well as for those considering entering the medical/healthcare professions. The format of the course will include guest speakers from a variety of medical/healthcare professions.

### **SPORTS NUTRITION**

Semester Elective – Grades 9-12 Prerequisite: Health 9

This class covers the essentials of human nutrition that improve and sustain optimal performance for sport and exercise. We will discuss general principles of good nutrition, proper hydration, the effect of eating disorders (in both male and female athletes), weight management, nutrition-focused illness and injury prevention, and sport nutrition resources along with other topics related to sports nutrition. We will also cover pre-game and post-game meals and what you should and when you should eat it.

# MATHEMATICS

### PROGRAM OPTIONS FOR GRADES 6-12 MATHEMATICS

In today's K-12 school system, there are two key academic 'skill sets' that are emphasized and seen as essential building blocks or gateways for future student learning, success, and increased future academic opportunity. The first is early in the elementary years and involves mastering the complex skill of <u>reading</u>. The second is early in the secondary education and involves the abstract problemsolving and applied logic found in introductory <u>algebra</u>. It is widely recognized that all individuals learn best in different ways and at different rates. The Spring Valley School District has identified three main math sequence program options for students. As we continue with the transition of the K-12 mathematics programming, it is more important than ever for parents and guardians to maintain communication with school staff to help assure the best programming fit for each child.

As a requirement for high school graduation, students will be required to **take and pass a minimum of 3.0 credits (three years) of mathematics** at the high school level (or above). The 6-12 mathematics program options are outlined below.

### <u>PROGRAM I</u> - HIGH SCHOOL GRADUATION REQUIREMENT

This program is designed for those students who have experienced difficulties in mathematics leading up to algebraic logic. Having been identified by their teacher (during their 8<sup>th</sup> grade year) and by standardized testing, these students would benefit by taking a two year Algebra I course their freshman and sophomore years to better prepare them for Geometry, while still allowing them an opportunity to meet the requirements of the University of Wisconsin System admission.

Grade 6: Math 6 Grade 7: Math 7 Grade 8: Math 8 Grade 9: Algebra IA Grade 10: Algebra IB Grade 11: Geometry Grade 12: Elective-Algebra II

*Program I <u>minimum</u> requirements for graduation*: Algebra IA, Algebra IB, and Geometry.

Current requirements for the University of Wisconsin System admission: Algebra I (or the equivalent), Geometry, and Algebra II. The UW Department of Mathematics strongly recommends that students take four years of mathematics at the high school level.

### PROGRAM II - POST-SECONDARY PROGRAM

This program is designed for the typical mathematics student. It will allow the student to complete the necessary mathematics requirements for graduation and University of Wisconsin System admission, while still allowing them a year to experience an advanced mathematics class prior to graduation.

> Grade 6: Math 6 Grade 7: Math 7 Grade 8: Math 8 Grade 9: Algebra I

Grade 10: Geometry Grade 11: Algebra II Grade 12: Elective-Pre-Calculus or Statistics

*Program II requirements for graduation*: Algebra I, Geometry, and Algebra II.

Current requirements for the University of Wisconsin System admission: Algebra I, Geometry, and Algebra II. The UW Department of Mathematics strongly recommends that students take four years of mathematics at the high school level.

### <u>PROGRAM III</u> - ACCELERATED PROGRAM

This accelerated program is designed for the students identified as showing clear strengths, talents, and aptitude in the area of mathematics reasoning. These students must display the necessary motivation and ability to complete the daily tasks (identified during their 7<sup>th</sup> grade year by standardized testing and instructor recommendation). Taking Algebra I as an 8<sup>th</sup> grader will not count as one of the graduation credits needed in math. However, it does count for H.S. <u>elective</u> credit, thus impacting a student's H.S. G.P.A. <u>It should be emphasized that Program III is intended for those students who intend on taking 'Calculus' in their senior year of high school</u>.

Grade 6: Math 6 Grade 7: Math 7 Grade 8: Algebra I Grade 9: Geometry Grade 10: Algebra II Grade 11: Pre-Calculus (Elective-Statistics) Grade 12: Elective-Calculus or Statistics

*Program III requirements for graduation*: Algebra I, Geometry, Algebra II, Pre-Calculus.

Current requirements for the University of Wisconsin System admission: Algebra I, Geometry, and Algebra II. The UW Department of Mathematics strongly recommends that students take four years of mathematics at the high school level. Additional notes: Students with special educational needs as specified by Chapter 115 of the Wisconsin State Statutes and the federal 'Individuals with Disabilities Education Act' (IDEA) legislation which can not be met as outlined above are programmed on an individual basis.

With student participation, the high school mathematics courses will also provide students with the opportunity to:

- 1. Move away from a rule-applying approach to a rulegenerating problem-solving approach;
- 2. Become more aware of their own thinking about problems and become better able to describe their efforts both orally and in writing;
- 3. Develop confidence in creating and persevering in their own mathematical approaches to problems together with the ability to assess when an approach is not working and a new direction is needed;
- 4. Learn to use a scientific calculator effectively and efficiently;
- 5. Develop a positive attitude: "Math is important, useful, desirable and very much connected and I can learn it."
- 6. Develop organizational skills in overall study habits as well as in mathematics.

Success in mathematics requires that students consistently:

- Read and work through the problems;
- Discuss their reasoning and solution methods with their study teams;
- Do ALL the homework as practice and to develop their skills; and
- Ask about any problem or question that they do not understand.

Please discuss the program options described above with your child to determine if they are indeed comfortable with their mathematics program placement. Parents, guardians, or students who have additional questions regarding math content may contact math instructors Mr. Dieckman or Mr. Linse at SV MS/HS. Scheduling questions may be addressed to Mrs. Bauer, SV MS/HS School Counselor at 778-5554, Ext. 4143.

### ALGEBRA IA

#### Year Long - Based on recommendation

This course is the first year of a two year course designed to prepare students for Geometry. The program is designed to enable students to understand and master mathematics curriculum standards. Topics include: basic foundations for Algebra, equations, inequalities, functions, linear functions, and system of equations & inequalities.

### ALGEBRA IB

#### Year Long - Based on recommendation

Prerequisite: Successful completion of Algebra IA

This course is the second year of a two year course designed to prepare students for Geometry. The program is designed to enable students to understand and master mathematics curriculum standards. Topics include: exponents, polynomials, factoring polynomials, quadratic functions & equations, data analysis, probability, exponential & radical functions, rational functions & equations.

### ALGEBRA I

#### Year Long Required

Prerequisite: Instructor's recommendation

This foundation mathematics course is needed for all higher level study in mathematics and the sciences, including chemistry and The topics include: basic foundations for Algebra, physics. equations, inequalities, functions, linear functions, and system of equations & inequalities exponents. polynomials, factoring polynomials, quadratic functions & equations, data analysis, probability, exponential & radical functions, rational functions & Offered as an accelerated program course by staff equations. recommendation for eighth graders.

### GEOMETRY

#### Year Long **Required**

Prerequisite: Algebra I or Algebra IA & IB or Instructor's recommendation

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. The topics include: foundations for Geometry; Geometric reasoning; parallel and perpendicular lines; triangle congruence; properties and attributes of triangles; polygons and quadrilaterals; similarity; right triangles and trigonometry; extending perimeter, circumference and area; spatial reasoning; circles; and extending transformational Geometry.

### ALGEBRA II

Year Long **Required or Elective** (depending on student's math program)

Prerequisite: Algebra I & Geometry or Instructor's recommendation This course is designed to build on algebraic and geometric concepts. The topics include: foundations for functions; linear functions; linear systems; matrices; quadratic functions; polynomial functions; exponential and logarithmic functions; rational and radical functions; properties and attributes of functions; conic sections; and probability and statistics.

### **PRE-CALCULUS**

#### Year Long Elective

Prerequisite: Algebra II or Instructor's recommendation

Pre-Calculus, as its name indicates, is designed to prepare you for Calculus, either in high school or college. The topics include: functions from a Calculus perspective; power, polynomial, and rational functions; exponential and logarithmic functions; trigonometric functions; trigonometric identities and equations; systems of equations and matrices; conic sections and parametric equations; vectors; polar coordinates and complex numbers; sequences and series; and inferential statistics. The use of graphing calculators is extensive; therefore, the purchase of one is highly recommended.

### AP CALCULUS

#### Year Long Elective

Prerequisite: Pre-Calculus or Instructor's recommendation

Calculus is the culmination of a high school mathematics program. For course success, a student must use the skills and information acquired in previous years as they apply to the concepts of limits, differentiation, and integration. With this course, students will have the opportunity to earn college credits if they take and pass the optional Advanced Placement Exam given in May. **The use of graphing calculators is extensive; therefore, the purchase of one is highly recommended.** 

### STATISTICS

Semester Long Elective

Prerequisite: Algebra II or Instructor's recommendation.

This course will introduce students to the major concepts of probability, interpretation of data, and statistical problem solving. The topics include: the nature of probability and statistics; frequency distributions and graphs; data description; probability and county rules; discrete probability distributions; normal distributions; confidence intervals and sample size; hypothesis testing; testing the differences between two means, two proportions, and two variances; correlation and regression; chisquared tests; analysis of variance; nonparametric statistics; and sampling and simulation. The use of graphing calculators is extensive; therefore, the purchase of one is highly recommended.

### MATH CENTER

Eligible Courses: Algebra I, Geometry, Algebra II, possibly other math courses as approved

Instructor and principal approval required

Math Center is not a math course but a format in which students will work independently on any approved math class. The format will be self-paced, with the expectation being that courses are completed at an accelerated rate. Students must be motivated independent learners with a high level of interest in math. The math teacher will assist students individually or in small groups, depending on student needs. This format will utilize a variety of in class and online resources. Once one course has been completed, the student will begin another course. There will be options for the course to be continued into the summer or the following school year. Credits will be earned upon successful completion of each course's material and mastery of the math concepts but will be entered on the report card and transcript at the usual quarter and semester intervals. Students must complete the required 3 credits of math in Grades 9-12 and are expected to use this self-paced format to be able to take additional math credits at SVHS, online, or through Youth Options.

Students should talk with their current math teacher for more information and to determine if Math Center is an appropriate placement for them. Students should list both the Math Center format and the specific math course on the course registration clipboard to sign up for the class. In addition, they must register for the specific math course in which they will enroll. Please note: Enrollment into the Math Center is not guaranteed and is subject to instructor and principal approval.

# MUSIC

### HIGH SCHOOL BAND

Year Long Elective - (\$)

Instrumental music consists of students from grades 9-12 who have participated in middle school band or have studied their instrument through individual lessons to a point where they are capable of playing the literature used in the senior band. Skills and concepts include the mastery of a band instrument at an appropriate level as well as technique, terminology and the language involved in music reading. Each student must attend rehearsals and performances for this performance-based course. Marching and Pep Band participation are included activities in High School Band, as well as the regularly scheduled high school band concerts and contest performances. Students enrolled are eligible to participate in jazz ensemble, pep band, solo and ensemble competition, pop music combo and honors groups.

### **HIGH SCHOOL CHORUS**

Year Long Elective – Grades 9-12

Chorus is for students in grades 9-12. Class time is used to rehearse, perfect, and memorize choral literature. Chorus is a performance-based course, and attendance is required at the Fall, Holiday, Music Group Festival, Spring Concert, Pops Concert and Graduation.

### **MUSIC HISTORY & THEORY**

Semester Long Elective - Grades 9-12 No previous music classes required.

Interested in music? Do you want to write music or lyrics? In Music History and Theory students will explore music from different musical time periods, cultures, and genres, and learn how to get the most out of the music you listen to. Students will explore the music theory part of music/song writing and will compose their own short piece of music on our Finale computer program. We will also research the "role" in which music plays throughout history, different cultures and many social issues. Students will use their devices to listen to music and do research about the current music topic. The ability to read music is helpful but not required for this class.

# PHYSICAL EDUCATION

### PHYSICAL EDUCATION – FRESHMAN - SOPHOMORE

Semester Required <u>The equivalent of one semester to be taken each year</u> Units may include soccer, speedball, badminton, basketball, physical fitness testing, interval jogging, softball, volleyball, lacrosse, aerobics, weight training, and football.

### **PHYSICAL EDUCATION** – JUNIOR - SENIOR

Semester Required <u>One semester required either Junior or Senior year</u> Units may include golf, badminton, tennis, volleyball, softball, physical fitness testing, table tennis, pickleball, softball, Lacrosse, aerobics, lawn games, and interval jogging.

### PHYSICAL FITNESS

Semester Elective – Grades 9-12

Prerequisite: One semester of PE 9-10

This class is designed to give students the opportunity to learn and develop fundamental skills and strategies of team and individual activities, as well as fitness concepts and strength training to achieve and maintain high physical fitness levels. Students will benefit from team and individual activities as well as strength training in the weight room. This course will include team/individual sports half the days and weight training and conditioning the other half. Students will be asked to make wise choices, meet challenges, and develop positive behaviors in each setting that we will be in. Units of instruction may include but are not limited to: weight training/fitness exercises, soccer, ultimate frisbee, golf, bocce ball, badminton, pickle ball, ping pong, volleyball, floor hockey, softball, track and field, among others.

### SPORTS OFFICIATING

Semester Elective – Grades 9-12

Prerequisite: PE 9-10

This class will consist of regular team sports units that are included in PE 9-10 and PE 11-12 with an emphasis on rules, officiating, score keeping, clock, and other game duties. While participating in each unit, students will learn proper officiating techniques while officiating their classmates playing the activity. Officiating units will vary from semester to semester depending on interest level from the students in the class. Examples would include but are not limited to: football, volleyball, basketball, soccer, baseball, softball, along with a couple of others. The goals of this class are to (1) prepare students to become licensed WIAA officials and (2) to help students understand sports rules in order to improve their own athletic performance. Written work will be a part of this class.

### WELLNESS FOR THE YOUNG ADULT

Semester Elective – Grades 11-12

Grades 9 & 10 with 1 semester of Phy Ed 9-10 and Instructor Approval (if space is available)

This is an advanced physical education course that will provide students with a life-long method of maintaining proper physical fitness and weight control. A combination of anaerobic and aerobic laboratory work mixed with classroom lecture and discussion will be used to help the student design their own personal lifestyle program. Personal lifestyle programs will combine weight lifting, low-impact aerobics, proper nutrition, and proven will-power techniques. Students will be required to write a four page research paper on a topic related to health or wellness, and make a ten minute presentation on a different health topic. Priority of enrollment will be to first timers, with a list on the scheduling clipboard to request this course more than once.

# NATURAL SCIENCES

### **PHYSICAL SCIENCE 9**

#### Year Long Required - Grade 9

In Physical Science, you will study the basic principles of Physics and Chemistry. This course is designed to give you a foundation of the underlying principles that govern how things interact. Topics to be covered during the Chemistry portion are states of matter, atomic structure, the periodic table and periodic trends, ionic and covalent bonding, and reaction types. Topics to be covered during the Physics portion include motion, forces, energy, sound, light, electricity, and magnetism.

### **MODERN BIOLOGY**

#### Year Long **Required -** Grade 10 - (\$)

Modern Biology begins with a consideration of the living condition and discusses the unique properties of living organisms that set life apart from the non-living. It continues with molecular and cellular biology, from which it moves logically into reproduction and genetics. An understanding of genetics gives meaning to organization variation and methods of scientific classification. Units dealing with microbiology, multicellular plants. invertebrates, animal life, and vertebrate animals, and the biology of man, follow in logical sequence. The final unit, dealing with ecological relationships, offers a fitting climax and overview of the entire biology course. Biology makes you aware of the living and non-living things that are critical if man is to survive on earth. Biology also helps you study the parts of your own body and understand how they function and support life. There are a variety of career possibilities in the field of Biology. Biologists are presently studying such things as cancer control, cellular disorders, genetic diseases and disorders, and possible control of the aging process. Other careers where a solid background in biology is important include conservation, forestry, nursing, etc. There are a variety of career possibilities in the field of Biology. Biologists are presently studying such things as cancer control, cellular disorders, genetic diseases and disorders, and possible control of the aging process. Ecology has taken on new meaning today; pollution threatens our very survival in the years ahead. Other careers where a solid background in biology is important include conservation, forestry, nursing, etc.

### ANATOMY & PHYSIOLOGY

Semester Elective – Grades 11-12 - (\$) Prerequisite: Modern Biology

Anatomy & Physiology is a one semester advanced biology course designed to further explore Human Anatomy and Physiology as well as related including identifying location and functioning mechanisms of tissues, organs, and systems of the human body. Students will also be given the opportunity to do a research project including Internet searches within the fields discussed.

### APPLIED PHYSICS

Semester **Required -** Grades 10-11-12

For those students completing neither Chemistry nor Physics coursework OR students desiring a solid foundation before taking Physics

Applied Physics students learn basic physics concepts as well as written and oral technical communication through several large inquiry projects. Physics concepts include investigations in motion, forces, Newton's Laws, momentum, collisions, work, energy, and simple machines. Small group projects typically include the design, construction and testing of parachutes, rockets, crash test vehicles, and catapults. A focus on scientific communication requires students to design and execute controlled experiments, present original research, critique peer presentations, and write scientific reports in a format similar to peer-reviewed journals.

### PHYSICS

Year-long Elective – Grades 11-12 (or 10 with instructor permission) Prerequisites: Algebra, Geometry, and Algebra II (recommended) Physics is the study of the relationships between matter and energy and is the basis for what makes things happen. The first semester of physics will cover types of motion, forces, work, energy, momentum, collisions, and gravitation. The second semester of Physics will cover fluid mechanics, heat, thermodynamics, waves, sound, and light. Students will design and run their own experiments to explore and verify the physical relationships they are studying.

Students need to take Semester 1 before they take Semester 2; however, they do not need to take both semesters in the same school year.

### **ELECTRICITY & MAGNETISM**

Semester Elective – Grades 11-12, or 10 with instructor permission Prerequisite: Algebra, Geometry, and Algebra II (recommended) Note: Students do <u>not</u> need to have taken the full-year Physics class to enroll in this class.

Physics is the study of the relationships between matter and energy and is the basis for what makes things happen. The topics covered in this course are electronic forces, electrical energy, current, circuits, magnetism, and electromagnetic induction. Students, with the help of the teacher, will design and carry out experiments to explore various relationships involving electricity.

### **CONTEMPORARY ISSUES IN SCIENCE**

Semester Elective - Grades 11-12

This course is designed to help students understand the societal impacts of science and technology in our world. It will help students recognize the impact of costs and benefits of technology and how closely the use of energy and pollution are related. Students will study the following topics: population growth, food resources and hunger, soil resources and sustainable agriculture, biological resources, natural disasters, water resources and pollution, water use and management, energy use and management, air pollution, solid waste, hazardous waste, mining issues, and planning for a sustainable future.

### CHEMISTRY

Year Long Elective – Grades 10-12

Prerequisite: Physical Science, Algebra

Chemistry is the study of matter and the changes it undergoes to form the materials we eat, drink, breath, and use every day. Topics that will be covered in this course include states of matter, atomic structure, chemical names and formulas, mole concept, chemical reactions, stochiometry, periodic table and periodic trends, ionic and covalent bonding, acids and bases, and reaction types. Students will all become better problem solvers by the end of the school year through textbook and laboratory work.

\*Chemistry and Advanced Chemistry can be used as a transcripted credit course through CVTC with the completion of both courses and final grades of C or Better.

### ADVANCED CHEMISTRY

Semester Elective – Grades 11-12

Prerequisite: Chemistry, Algebra, and Algebra II

This course is designed for students who have completed the prerequisites and are interested in pursuing a career in science or mathematics. This includes students interested in a nursing career or other medical occupations. Students will study the electronic structure of atoms, ionic and covalent bonding, liquids and solids, heat flow in reactions, speed of reactions, and nuclear reactions.

Students will gain valuable experience in laboratory procedures. \*Chemistry and Advanced Chemistry can be used as a transcripted credit course through CVTC with the completion of both courses and final grades of C or Better.

### SCIENCE AND SOCIETY B

#### **SCIENCE** Semester Elective – Grades 10-12

Our belief system (our paradigm) determines how we interpret everything. The first quarter of this course is an overview of how society's belief system and understanding of the universe has changed. Students will learn about these changes from the early Greeks to the cutting edge ideas of today such as String Theory and Quantum Mechanics. Students will also develop research skills that will be used in the second part of this course.

During the second quarter, students will have the opportunity to conduct their own research into the mysteries of the universe and dig deeper into areas of the course they found particularly interesting. With teacher guidance and support, students will be encouraged to explore, research, and present their own independent ideas. This course is team taught by a science teacher and a social studies teacher. Students may choose science elective credit or social studies elective credit based on where they intend to focus their research.

### ECOLOGY

#### Semester Elective – Grades 9-12

Coursework in Ecology will center on ecological principles of habitats in Wisconsin and interpreting the outdoors and its inhabitants. Students will study the ecology of terrestrial and stream ecosystems as they apply to local significance in the Midwest. Specific studies will focus on basic components of ecology at the organism level including adaptations of organisms in the winter environment, invertebrates, Wisconsin ecosystems and their inhabitants, and how we manage/restore habitat. Students will relate these concepts to the seasons and how organisms adapt to seasonal changes. A unit on naturalists' skills will allow students to interpret their outdoor knowledge to others. Students will also relate ecology to the studies of ornithology (study of birds), mammalogy (study of mammals), and ichthyology (study of fish), as they relate to game and fish management for hunting, fishing, trapping, and ecology in general.

### WATER SCIENCE

Semester Elective – Grades 10-12, or 9 with instructor permission Prerequisite: Physical Science

Students will undertake an in-depth study of fresh water on Planet Earth. The course will focus on building comprehensive understanding of our water pollution and shortage problems as well as solutions to these problems. Topics covered will include hydrology and water budgets, limnology (study of fresh lakes, streams, and rivers), and hydrogeology (study of ground water). Students will participate in labs and field trips to gain experience in hydrologic field work.

### MARINE BIOLOGY

Semester Elective - Grades 10-12

Prerequisite or co-requisite 10th Grade Biology

Marine Biology focuses on the content, features, and possibilities of the Earth's oceans by exploring marine organisms and their ecology. This course will provide students with an understanding of marine animals, the niche they occupy in their environment, their life cycles, and their relationships to other organisms. Students will also develop an awareness and understanding of biotic marine communities. The sequence of this course begins with an introduction to the Earth's ocean, geology, water movements, the zones of the ocean, and ocean habitats. A study of the anatomy, physiology, and ecology of invertebrate animals logically follows. Students will then compare invertebrates with ocean vertebrate animals. Deeper exploration of the vertebrate animals follows with investigation into marine fish and marine mammals. Building upon their understanding of marine animals, students will then explore a variety of marine ecosystems the littoral zone including estuaries, coral reefs, the including: polar oceans, the open sea, and the benthic zone. The course will

conclude with an investigation into the major threats facing the ocean ecosystem including: human impact, pollution, overfishing, nutrient runoff, ship strikes, and changing species distributions.

### ZOOLOGY

Semester Elective – Grades 10-12

Prerequisite or co-requisite 10<sup>th</sup> Grade Biology

Zoology is the study of animals. In this course students will explore the wide variety of body structures found within the animal kingdom; as well as animal classification, evolution, and the distribution of animals on Earth. Zoology begins with examining how animals are sorted into groups based on their similar characteristics. The largest groups within the animal kingdom will be explored with special attention to animals with spinal cords and animals with vertebral columns. Students will investigate the major classes of vertebrate animals including fish, reptiles, amphibians, birds, and mammals. By exploring the body structures, characteristics, and behaviors of these animals, students will develop an understanding of the relationship between them. Additional time will be given to the study of vertebrate behavior, reproduction, and how animals interact with their ecosystems.

### ASTRONOMY

Semester Elective – Grades 9-12

Prerequisite: Algebra

Astronomy is the study of the universe. This course will include units on the development of astronomy as a science, observing our night sky, Earth's place in space, our solar system, stars and stellar evolution, galaxies, and space exploration. This course will focus not only on *what* we know about the universe, but also *how* we know it. The tools, methods, and thinking of astronomers will be investigated. Students electing to take this course will be required to do regular astronomical night observations.

### METEOROLOGY

Semester Elective – Grades 10-12 9<sup>th</sup> grade with instructor permission Meteorology is the comprehensive study of the Earth's atmosphere. This course is ideal for students wishing to develop a fundamental understanding of Earth's atmospheric systems and gain a greater appreciation for the atmosphere. Meteorology begins with an investigation into the physical processes associated with weather and climate. Students will explore the structure of the atmosphere and the role of moisture in the development of dew, clouds, precipitation, air masses, and fronts. Students will examine weather forecasting, instrumentation and communication; Earth's energy balance; the formation of cyclones; and severe weather including thunderstorms, tornadoes, and hurricanes.

Natural Science courses not offered in 2016-2017

- Organic Chemistry
- Biotechnology: Cell Biology & Genetics
- Science Theory
- Geology

# SOCIAL SCIENCES - HISTORY

### WORLD GEOGRAPHY

#### Year Long Required - Grade 9

This course of study will take students around the world! Students will cover physical, political, and cultural geography. This geography course will integrate a variety of reading strategies to improve understanding of the physical and cultural realities of our world. Students will study the world based on ten culture regions as they focus on country location, physical features and climate, and cultural elements. This study will include political and physical map use, interpreting charts and diagrams, purposeful use of reading strategies, understanding culture/culture regions, and country identification. Global current events are also covered.

### **AMERICAN HISTORY**

#### Year Long Required - Grade 10

This course of study includes a topical study of various groups in 19th and 20th century American history. Included are inventors

and businessmen, farmers, laborers, immigrants and western pioneers. Problems and achievements are identified and discussed. Twentieth century America is the overall topic of this course. Studied in depth is the participation of the United States in the wars; Spanish American, WWI, WWII, Korean and Vietnam, which lead to discussion on U.S. Foreign Policy success or failure, and importance and influences in world affairs. The economy and the depression are also studied along with the political problems to the present. Current national and international events are covered.

### CIVICS

#### Semester **Required** - Grade 11

The students will learn the basic principles of our American government, with particular attention paid to the duties, rights and responsibilities of being an American citizen. Current national and international events are also covered.

### **HISTORY OF THOUGHT**

Semester Elective - Grades 10-12

History of Thought is the study of human behavior and the workings of the human mind. It attempts to answer the question, "Why do we do what we do?" The course covers such topics as motivation and emotion, intellectual personality development, abnormal behavior, and a variety of therapeutic techniques.

#### WORLD WAR II: WAR IN EUROPE

Semester Elective – Grades 10-12

World War II: War in Europe is an introductory course on the origins, important people, and major campaigns of World War II. This semester class will examine the key battles and personalities involved in the War in Europe from 1939 to 1945. This class is independent from World War II: Pacific Theatre of Operations and does not require it as a prerequisite. Course content will include selected readings, class and small group discussion, simulations, videos, daily assignments, and chapter tests.

### WORLD WAR II: PACIFIC THEATRE OF OPERATIONS

Semester Elective – Grades 10 – 12

This semester elective provides an introductory course on the key battles, major campaigns, war strategies, and important leaders from both sides of the War in the Pacific. The course begins with the Japanese attack on Pearl Harbor in 1941 and ends with the Japanese surrender on the deck of the U.S.S Missouri in 1945. This class is independent from World War II: War in Europe and does not require it as a prerequisite. Course content will include selected readings, class and small group discussion, simulations, videos, daily assignments, and chapter tests.

### SCIENCE AND SOCIETY A

**SOCIAL STUDIES** Semester Elective – Grades 10-12

Our belief system (our paradigm) determines how we interpret everything. The first quarter of this course is an overview of how society's belief system and understanding of the universe has changed. Students will learn about these changes from the early Greeks to the cutting edge ideas of today such as String Theory and Quantum Mechanics. Students will also develop research skills that will be used in the second part of this course.

During the second quarter, students will have the opportunity to conduct their own research into the mysteries of the universe and dig deeper into areas of the course they found particularly interesting. With teacher guidance and support, students will be encouraged to explore, research, and present their own independent ideas. This course is team taught by a science teacher and a social studies teacher. Students may choose science elective credit or social studies elective credit based on where they intend to focus their research.

### THE LAW AND YOU

#### Semester Elective – Grades 11-12

The Law and You class examines the origin of the U.S. legal system and its function in our society today. Aspects of the law that affect students will be emphasized. Areas of study will include criminal law, consumer law, family law and constitutional

issues. Student discussion, debate, current events and opinion writing are the main activities of this course.

### WISCONSIN HISTORY

Semester Elective - Grades 10-12

This course on the State of Wisconsin and its history is an elective. Students will look at the government, geography and heritage of our state. Activities will be scheduled including guest speakers, and video presentations on Wisconsin, to make this a rewarding, enlightening, and worthwhile class.

#### SEE NORTHERN LIGHTS OFFERINGS FOR:

AP US HISTORY – Year Long Elective (Grades 11&12) AP WORLD HISTORY - Year Long Elective (Grades 11&12) PSYCHOLOGY – Semester Long Elective (11&12) USA TODAY– Semester Long Elective (Grades 11&12) FIRST NATIONS AMERICAN HISTORY – Semester Long Elective (Grades 11&12)

Social Science courses not offered in 2016-17

Social Issues

# **TECHNOLOGY EDUCATION**

### INTRODUCTION TO TECHNOLOGY

Semester Elective – Grades 9-12 – (\$)

Students involved in the Introduction to Technology course will be exposed to many areas of Technology and Engineering. This course is the introductory "gateway" course to many of the other Technology and Engineering classes in Spring Valley. Some of the main focuses will be precision measurement, machine and tool identification, safe operation, and problem solving and design. This course serves as the prerequisite course for all of the entry level Spring Valley Technology and Engineering courses such as Tech, Transportation & Woods Tech. Power Energy, Manufacturing, and Research and Design. Students will need to purchase materials needed for building their projects in this class.

### ADVANCED WOODS

Semester Elective – Grades 9-12 – (\$)

Prerequisite: Intro to Technology

This course is designed to give students advanced individual experiences in safely planning, processing and building with wood products, materials, and woodworking tools. The course will approach woodworking from several different aspects. Tool and shop safety from Intro to Technology will be reviewed. Students empowered with these concepts will have a more productive experience in the class and will be expected to work safely with other students. Individual projects chosen, designed, and built by the student will be the primary portion of the class and resulting This class will give students a chance to build on grade. knowledge and practices gained in their Intro Tech class. Students will make weekly blog entries showing their project's development during the semester. Students are required to bring a notebook and writing utensil each day to class. Students will have to purchase their own materials for their projects.

### **CONSTRUCTION TECHNOLOGY**

Semester Elective Grades 10-12 - (\$)

Prerequisites: Intro to Tech and Advanced Woods

This course is designed to offer students an entry-level introduction to the construction industry. The approach will be from the idea that students will soon be consumers or potential employees of the construction industry and should possess some working knowledge of construction concepts and methods. Activities could include drawing a basic set of house plans on the computer, building a scale model from student plans to further illustrate the concepts of framing and finishing structures, and the planning and construction of a small outdoor storage building. Students may have to purchase some materials for projects in this class.

### MANUFACTURING AND ENGINEERING TECHNOLOGY

Semester Elective Grades 10-12 Prerequisite: Intro to Technology Students involved in the Manufacturing Engineering Technology course will be actively involved in gaining understandings of the manufacturing process. Students will analyze, plan, build, and use production tooling to produce parts used to assemble usable products. Projects may include designing and producing tooling to build products in the woodworking lab. There may be a "small business" experience for students including planning, marketing, producing and selling of a student/class made project. Students may have to purchase some materials for the projects in this class.

### **POWER TECHNOLOGY**

Semester Elective - Grades 10-12 - (\$)

Prerequisite: Intro to Technology

There are many problems related to combustion-engine powered systems in industry, everyday life and in recreational activities. These problems can be intelligently dealt with now, and in the future, if users of the systems have basic theory and understanding, trouble shooting skills, and problem solving abilities to deal with engines and power transmission systems. Some activities planned for this course may include; two and four cycle engine theory and troubleshooting, diesel engine theory, engine maintenance, power transmission systems and maintenance, and career discussions. Possible class activities may include competing in the Skills USA contest at UW-Stout, field trips, and a spring lawn mower tune-up clinic. Students will have to purchase some materials for the projects in this class.

### **COMPUTER-AIDED DRAFTING**

Semester Elective – Grades 10-12

This course is designed for students to learn how to draw using AUTO CAD LT software. It will include instructions in producing 3-view and pictorial drawings using the computer. Students will learn to use AUTO CAD LT software to produce a set of complete shop drawings of any part or product including assembly drawings, exploded views, and detail drawings. Students will apply basic engineering concepts in the design and creation of drawings. This

class is transcripted with CVTC for 3 credits. Students can enroll for college credit at NO COST!

### SEE NORTHERN LIGHTS OFFERINGS FOR:

**PRE-ENGINEERING** – Semester Long Elective (grades 11&12) Technical Education courses not offered in 2016-17

- Communications I and II
- Research and Design
- Interactive Media and Advanced Media
- Transportation and Energy

# SERVICE LEARNING

### PEER TUTORING – S.P.A.R.K.

(Supportive Peers as Resources for Knowledge) Semester - credit option available - Grades 11-12, Grade 10 with Instructor permission

Prerequisite: Satisfactory completion of the tutor training program.

Students may not have any grade lower than a C on their report card, or a B in the subject in which they are tutoring.

Peer tutoring will give students interested in fields such as education, child psychology, social work, or other types of helping professions, experience working with youth. After students have completed the prerequisites for the course, they will be matched with a student needing assistance in an academic area. The class period will depend on the individual SPARK student's schedule. Students may work one-on-one with a particular peer, or work with a teacher, assisting more than one student.

### CARDINAL CARE VOLUNTEER PROGRAM

Semester or Year - NOT FOR CREDIT

This partnership with the Spring Valley Health and Rehabilitation Center (SVHRC) provides a volunteer opportunity for students. Students selected to this program will be paired with SVHRC residents for social visits. Two students will be assigned per resident. Students will visit with residents at least twice per month. They may go during study hall, lunchtime, after school, or weekends. While scheduling is flexible, students are expected to commit to participating in this program. Parental approval is needed, and students must have their own transportation. Students will provide social interactions for the residents; they will not be providing any type of medical care. Examples of activities include: conversation, crafts, games/cards/puzzles, walking outside, snacks, reading, and listening to or playing music. SVHRC staff will provide training to all volunteers. PLEASE NOTE: THIS OPPORTUNITY IS NOT FOR CREDIT.

### SERVICE LEARNING

Semester Elective- credit option is available - Grades 11-12 Prerequisite: A demonstrated work ethic and sincere desire to work to make our school and community a better place through your efforts. The class period of service learning will depend on the individual student's schedule and the approval of administration.

# WORK EXPERIENCE

### WORKPLACE BASICS

Semester Elective - Grades 10-12

Prerequisite: The student must possess <u>a valid driver's license</u>.

Would you like to learn more about the skills needed to be successful at a job? Would you like to earn credit for Work Experience? If so, then register for Workplace Basics. This class will give you an opportunity to gain information on various job skills that will make you more employable. Some of the topics that will be covered are interviews, looking for jobs, keeping jobs, and getting along with other workers. You will have an opportunity to talk with employers in the area about what is needed to get and keep a job. Students who maintain a C average or better in the course will be placed on a six week unpaid work experience with a local employer.

### WORK EXPERIENCE

Semester Elective – Grades 11-12 (instructor and administration approval)

Prerequisite: SVHS Workplace Basics with a grade of "C" or better, and must have valid driver's license

Monitored by: School-to-Work & Workplace Basics teachers

This course will give the student the opportunity to apply the content of the Workplace Basics class to the workforce. The job placement will occur in the afternoon and will be career oriented. Work Experience students may not work for businesses owned by their immediate family. To encourage deeper learning of and exposure to new skills, students are not permitted to work at their parents' business. Jobs may or may not be paid positions. Credit is awarded and grades are issued based on the employer evaluation, teacher evaluation and self-evaluation through a weekly time log. A minimum quarterly GPA of 2.0 must be maintained or students will be rescheduled into the needed study hall.

### WORK RELEASE

Semester - Junior or Senior Status

All SV High School students are required to carry a minimum of <u>seven</u> courses per semester in the eight period day. The work release program for eligible Juniors and Seniors is an arrangement between the student, school and work stations that <u>WILL NOT</u> <u>EARN STUDENTS CREDIT TOWARD GRADUATION</u>. The work release privilege may be authorized for a semester <u>IN</u> <u>PLACE OF A STUDENT'S STUDY HALL</u>. Students applying for the Work Release privilege must have written permission from their parents, employer, and principal stating approval. Students will be removed from the Work Release privilege if they are not in regular attendance at their work site or not demonstrating satisfactory progress in scheduled classes as well as respectful and responsible behaviors. A minimum quarterly GPA of 2.0 must be maintained or students will be rescheduled into study hall.

# WORLD LANGUAGES

### AMERICAN SIGN LANGUAGE I

Year Long Elective

Grades 9-12

Students will learn about American Sign Language, fingerspelling, loan signs, sentence structures, and deaf cultural issues. An emphasis will be placed in sign skills and class participation with signing.

### **SPANISH I**

Year Long Elective – Grades 9-12

In this course students will work toward becoming proficient in basic Spanish. Instead of learning from a grammar based textbook, we will focus on acquiring basic vocabulary using a method called TPRS; Teaching Proficiency Through Storytelling. Students will read and listen to comprehensible stories, adding their own ideas and participating in telling the stories. Eventually they will use the structures and vocabulary to tell their own stories in original written and oral compositions. The stories also provide a structure for discussion of the culture of Spanish speaking countries in the world.

### **SPANISH II**

Year Long Elective – Grades 10-12

Prerequisite: A grade of "C" or better in Spanish I, or permission of instructor.

Spanish II is a continuation and extension of Spanish I, including the cultures, customs and language of Spanish speaking countries. We will use more complex structures and continue to work on understanding readings and oral presentations while stressing more production; writing and speaking.

World Language Classes not offered in 2016-2017

- American Sign Language II
- Cultures of Spanish Speaking Countries

# NORTHERN LIGHTS DISTANCE LEARNING COURSE OFFERINGS

The Northern Lights Distance Learning consortium consists of 24 high school and post-secondary 'send and receive' sites in northwest Wisconsin which offer our students the opportunity to take courses in our building otherwise unavailable to them. Students with Junior or Senior standing and the recommendation of the principal have the opportunity to interact with staff and students from other schools using this video network. To be considered for enrollment in a Distance Learning course, students must have <u>consistently demonstrated the ability to be self-motivated learners</u> who display respectful and responsible behaviors.

### ART APPRECIATION - 8:15-9:05 a.m.

 $1^{st}$  Semester – Originates from St. Croix Falls – Ms. Imhoff This course is designed to give students an in-depth exposure to historic artists and artwork. Students will analyze and explain historic significance along with assessing the characteristics and merits of the artists and artwork they have selected. Students will be expected to synthesize creativity and analyze their findings in written and oral form. WI DPI Course Code: 05151B

### PRE-ENGINEERING – 9:05-9:55 a.m. (Sem. 1) 8:15-9:05 a.m. (Sem. 2)

1<sup>st</sup> and 2<sup>nd</sup> Semester – Originates from Webster – Mr. Ward This course is great for students who are interested in careers related to engineering, design, manufacturing, or computer aidedmachining. Students will explore science, technology, engineering and math (STEM) while using a computer software called SolidWorks. Students will be introduced to solid part modeling to create and modify fully parametric 3D models. Students will learn computer-aided-drafting skills, create sketches, apply various features, place dimensions, add relationships to define sketches, and modify completed models. Students will also create assemblies and animations using parts they have created and much more. This course is articulated so students can earn dual credit through WITC's Mechanical Design Technology or take it a step further and become a CSWA - Certified SolidWorks Associate by taking the exam. If you have any questions please contact Mr. Ward rward@webster.k12.wi.us. Technical requirement: Desktop or laptop with internet access for each student and the ability to renew software license every 30 days (may require taking devices offsite Check video card compatibility bv to VPN). visiting. http://www.solidworks.com/sw/support/videocardtesting.html. WI DPI Course Code: 21006G

### AGRICULTURAL LEADERSHIP – 9:55-10:45 a.m.

1<sup>st</sup> Semester – Originates from Shell Lake – Ms. Bos

Students interested in developing leadership skills and preparing for the world of work will enjoy this class. The focus of this course is to develop personal leadership qualities, grow interpersonal relationships, and teamwork. This class will be responsible for putting together programs for the elementary grades such as safety and animal awareness programs. Another primary focus with an agricultural flare will be management of time, money, record keeping, and accounting. Such skills are needed in running your own business. Participation in FFA contest and individual awards will be encouraged in the areas of leadership. Required Equipment: Laptop and Gmail account. WI DPI Course Code: 18203

### AP US HISTORY – 10:45-11:35 a.m.

Year Long – Originates from Clear Lake – Mr. Crawford Prerequisite: Juniors and Seniors with a 3.5 GPA in Social Studies or consent of instructor.

AP US History is an advanced course designed for university bound students who would benefit from an intense, fast-paced, reading and writing intensive course that would better prepare them for a university setting. Students will be required to rigorously analyze both primary and secondary history sources, independently read source material outside of class, write logically and precisely regarding these sources in both short-answer and essay format, have a pre-existing knowledge of historical concepts, and have the ability to reinforce them with factual materials. Any student interested in US History is encouraged to inquire about the class. This course will be taught, presented, and be as rigorous as a university level course. This course prepares students for intermediate and advanced college courses by making demands of students equivalent to those they will encounter in introductory college courses. Upon completion of the course, students will be given the option for national AP Testing, and potentially earn college credit. However, taking the National AP Test and earning college credit should not be the sole reason for taking this course. NCAA approved at origination site. WI DPI Course Code: 04104G

### AP WORLD HISTORY (Hybrid) – 12:00-12:55 p.m.

Year Long – Originates from Grantsburg – Mr. Nelson

Advanced Placement (AP) World History is a challenging, collegelevel course for students who enjoy history or are eager to develop skills that will help them to be successful in college. Students must be committed and organized as the course will include reading assignments, essay writing, and frequent discussions. In this global study of world history, we will explore culture, religion, ideas, art, literature, and more. The AP World History course content is structured around the investigation of themes and concepts in six different chronological periods, from approximately 8000 B.C.E. to the present. Students will need daily internet access and a device in order to submit course assignments. NCAA at origination site. WI DPI Course Code: 04057G

### PSYCHOLOGY - 12:55-1:45 p.m.

1<sup>st</sup> Semester – Originates from Plum City – Mr. Laehn

Psychology is the study of human behavior and the workings of the mind. It attempts to answer the question, "Why do we do what we do?". The course covers such topics as motivation and emotion, intellectual personality development, abnormal behavior, and the variety of therapeutic techniques. NCAA approved at origination site. WI DPI Course Code 04254G

### FIRST NATIONS AMERICAN HISTORY – 2:35-3:25 p.m. <u>WIN Time Offering!</u>

1<sup>st</sup> Semester – Originates from Prescott – Mr. Ryan

This course is designed to foster an understanding, appreciation, and analysis of First Nations people of the United States and the state of Wisconsin. The course will explore the cultural, social, and economic contributions of Native Americans in contemporary society. The impact of treaty rights, Indian gaming, the use of Indian logos, and other contemporary issues will be discussed at length. Document analysis exercises, debates, and online forums will be employed to enhance student interaction and promote the development of higher level thinking skills. All students enrolled in this course will be eligible to apply for a four day trip to the Lac Du Flambeau Indian Reservation in September/October to experience first-hand the culture of the Ojibwa people. Chosen participants will spend four days at "Waswagoning," a recreated 17th century Ojibwa Village located on the reservation near Minocqua, Wisconsin. This class also has a college-credit option through UW-Green Bay at the student's discretion and expense. NCAA approved at origination site. WI DPI Course Code: 04107G

### USA TODAY – 9:43-10:27 p.m.

2<sup>nd</sup> Semester – Originates from Westfield – Mr. Akey Prerequisites: US History

This class is intended to help students develop their own opinions on current event issues that impact the United States today. The class focuses on modern history (1979 – present) and will cover topics such as the Arab Spring in the Middle East, the Drug War, Globalization, and politics in the USA. Online Component: Moodle. NCAA approved at origination site. WI DPI Course Code: 04149G

### AG BUSINESS MANAGEMENT – 12:55-1:45 p.m.

 $2^{nd}$  Semester – Originates from SV – Mr. Turner

The following units will be covered in this ITV class: Careers in Ag Business, How to Start an Ag Business, Getting Established in Farming, Organizing and Managing the Farm Business, Basic Economic Principles, Commodity Trading, Various types of costs and risk aspects of Farming, Farm Records, Insurance, Safety, Farm Law, Taxes, Lending Organizations, Soil Conservation, Legal Description and Land Measurement and Types of Farm Business Organizations. Each student will need access to a laptop with connectivity to the internet daily during class.

### WOMEN'S LITERATURE – 2:50-3:25 p.m. <u>WIN Time Offering!</u>

2<sup>nd</sup> Semester – Originates from Birchwood – Ms. Pritchett Women have always played an important part in the history and literature of mankind. Unfortunately, too often this part hasn't been given the attention it justly deserves. This course offers students the opportunity to become aware of the important contributions women have made to the world. This course will specifically explore the various genres of literature written by or about the female gender. Literature will include poetry, short story, essay, speech, and novel. Class work will be framed around the readings and will involve extensive classroom discussion. Class is taught like a college class, so expect a reading-heavy workload and participation in discussion is a must. Authors include, but are not limited to: Jane Austen, Maya Angelou, Sylvia Plath, Gertrude Stein, Margaret Atwood, and Kyoko Mori. WI DPI Course Code: 01065G