



Potosi
High School
Course
Handbook
2018 - 2019

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Graduation Requirements for the Potosi School District.

Students who graduate from Potosi High School are required to complete 25 credits through a combination of required and elective classes.

Required Classes: Computer Class	.5 Credits
Consumer Education	1 Credit
English	4 Credits
Math	3 Credits
Health	.5 Credit
Social Studies	3 Credits
Science	3 Credits
Physical Education	1.5 Credits

Credits earned by required classes 16.5
Elective credits needed to complete 8.5

Potosi.....A Community of Character. Character comes from the home, the community, and the schools. Character brings out the best in all of us.

Challenge yourself – It’s your future - Be the best you can be for the 2017-18 school year. We are very proud to have you be a part of our Potosi School District.

Mr. Uppena
K-12 Principal

Potosi Schools
Staff

Ms. Molly Markham
School Counselor

Educational Philosophy

Education in the School District of Potosi should be a unified and continuous program, serving, and expressing the desire of the community for quality education for all students. Therefore, all students should have opportunities to grow through student centered activities that emphasize the mental, emotional, behavioral, social, cultural, technological and physical aspects of living and learning. All students should have opportunities to understand and appreciate American democratic principles. All students should have the opportunities to achieve in environments most conducive to individual learning styles. All students should have opportunities to develop and express their talents and abilities in diversified ways-to acquire, express, question, organize and apply knowledge. All students should have opportunities to explore career possibilities.

School District Goals

The school district of Potosi has been established to serve the educational needs of all children of the district. Therefore, the district shall strive to:

- a). Improve communication and community engagement.
- b). Maximize our use of Professional Learning time with an emphasis on:
 - the CESA 6 Teacher Effectiveness model
 - Response to Intervention and PBIS
 - Professional Learning Communities
 - Curriculum Development
- c). Increased use of data collection and data analysis
- d). Facility improvement and community communication

Scheduling Students for Classes

Potosi School District develops class schedules for the following year each fall and spring.

Courses in the high school will be selected in consultation with parents, students, counselor and teachers. Registration for classes will be submitted through Skyward Access under the direction of the administration or during transition conference meetings.

At the discretion of the administration and the counselor, course changes may be approved through the first five days of each semester. After five days, the class will/may be recorded as an F if dropped.

Exceptions to the scheduling policy may be considered by the building principal.

Students can take up to 8 classes each semester or could take 7 classes and have a study hall.

Youth Options

Students in grades 11 & 12 may choose to enroll in a post secondary school for specific training. Applications must be authorized by the school board and the student will have to be admitted to the institution. Act 131 allows school boards to authorize a student to participate in classes, which are not offered at the high school. Any class which has a curriculum similar to that already taught at the high school will not be authorized unless it falls under the criteria established for attendance at a local technical college when 10 or more credits are taken. Under Act 131 technical colleges are only required to take students if there is space available. Act 131 states the district is only liable to cover the cost of 18 credit hours in a two-year period. This program also does not require school boards to allow students to take a class already passed or failed in the high school. Direct costs associated with the program are assumed by the school district if high school credit will be awarded. Act 131 also states, if a pupil receives a failing grade or fails to complete a course for which the school board has made payment, the school board may request reimbursement from the student/family. **If high school credit is not to be awarded, the cost of the YO Class is the student's/parent's responsibility. If there is a change in a student's college schedule you must notify the principal within 24 hours.** The local school board must be notified of a student's intent to enroll in an institution of higher learning. This is done by completing form PI8700A no later than **March 1** for a course to be taken in the fall, **October 1** for a course to be taken in the spring. This program does not eliminate current graduation requirements of the state or local school boards. A student who considers this program, will have to plan ahead, and **consultation with Ms. Markham is a must.** If all conditions are met, including scheduling constraints, then the student must be admitted to a post-secondary school. This is based upon regular admission requirements, of the institution of higher education, and on a space available basis. For more information please call the principal or counselor at 763-2161.

AP Course Options

AP Course Options are associated with Youth Options and are available online through the Wisconsin Virtual School. Interested students should contact Ms. Markham or Mr. Uppena for more information. One of the main purposes for taking AP courses is to be able to take academically comparable college courses at the high school level for the opportunity to test out of college courses. AP courses must be scheduled in the fall semester in order to be eligible for the national AP exam that is offered in May.

Programs for Children at Risk

It is the belief of the School District of Potosi that students need opportunities to develop fundamental qualities and abilities. Development of these qualities and upon the quality of experience the student has with home, school and community. This school program is designed to provide successful opportunities for students to become involved in school and extracurricular activities. The intent is to develop a personal sense of responsibility for accomplishing expected social and academic tasks.

Goals

To help students in need of assistance, as well as students at risk, learn to function in the school

setting.

To deal with personal, social and psychological needs as well as academic needs.

To reinforce a student's sense of values and morals.

To communicate a sense of “caring” to the student and yet instill a sense of personal responsibility.

To improve or maintain the academic performance of students in need of assistance and at-risk students.

Students who are identified as at-risk for behavioral reasons will show an improvement in the following areas:

- a) a decrease in office referrals,
- b) a decrease in negative progress reports,
- c) a decrease in truancy or tardiness,
- d) a decrease in failure of class

Early Graduation – Students of Sophomore status may apply for early graduation if they meet the criteria set forth by the Potosi School Board approved policy – 345.61 / 345.61

Rule. Early graduation applications may be picked up from the High School Office or the Guidance Office. Completed applications for Early Graduation of the 2018-2019 school year, must be submitted to by Feb. 4th, 2017.

ART

2D Art Concepts: Grades 9 – 12 One Semester – Course may be repeated.

This course will allow students to study the Principles of Design and work with different mediums such as pencils, charcoal, pastels, pen and ink and printmaking. Drawing experiences will be extended to include painting with acrylic, watercolor and oil paints.

3D Art Concepts: Grades 9 – 12 One Semester – Course may be repeated.

This course will allow students to learn advanced methods of hand building and throwing pots on the wheel. Sculpture is geared to the student interested in the three-dimensional concept of art and involves the exploration of various materials and their journey into space. Materials may include paper, plaster, wire, duct tape, paper mache and fibers. Realistic or abstract forms will be the result, providing student experimentation and imagination being utilized.

Studio Art: Grades 9 – 12 One Semester – course may be repeated.

The course is designed for the serious art student who wishes to gain additional experience in advanced techniques in drawing and painting or ceramics and sculpture. It is geared to the student who has the desire to excel in one particular medium such as the potter's wheel, oil painting, watercolor painting, or a combination of media. Independent study will be encouraged.

Digital Photography One Semester: Grades 9 – 12 Prerequisite: None.

This course offers students the opportunity to explore the world of photography. Students will use digital SLR cameras and state of the art imaging software to complete a variety of assignments including still life photography, portraiture, and photojournalism.

AGRICULTURE RELATED INSTRUCTION

Introduction to Agriculture Grades 9 – 12 One Semester

This class is designed to give a student an understanding of agriculture and its many related fields of study and the countless job and work opportunities available in Agriculture. Production agriculture will be discussed along with a look at weeds, farm safety, and the dairy industry. Areas of FFA including soils, crops, and livestock will also be discussed.

Agricultural Business/Farm Management Grades 9 – 12 One Semester

This course is designed to give an extra edge to students entering America's #1 industry. This class will focus on employability skills that are crucial for today's graduates. Topics will include entrepreneurship

record keeping, marketing, coops, taxes, agricultural law and successful management practices. Students

will develop a concept of the importance of technology and an awareness of current issues in agriculture, which will help prepare the students for future success outside of the classroom.

Animal Science ES Grades 9 – 12 One Semester

This class features an intense study of animal nutrition, animal production practices, reproduction, record keeping and livestock selection for show. It will also include a number of labs and field trips that will enhance your learning in animal science. Completing this class with a B or better will earn the student credit in Animal Science at SWTC.

Environmental Science ES Grades 9 – 12 One Semester

This class will consist of learning about the natural resources in our environment. Students will be involved with soil and water testing and analysis. Students will learn about fresh water systems and ecosystems that can be affected by pollution. Students will learn about prairies, watersheds and the history behind conservation. Wildlife management, outdoor safety, and recreation will also be topics for this class.

Equine Science Grades 9-12 One Semester

The horse industry is the largest spectator sport in the world and is becoming the fastest growing recreational sport. Almost everyone has ridden a horse at some point in their life and many people dream of owning their own horse. With this much interest in the horse industry, it is that we learn the correct ways to care for horses and how to ride and train them. This course will take you through all the aspects of the horse industry from feeding and hoof care to riding for pleasure and for show.

Horticulture I ES Grades 9 – 12 One Semester

This class will consist of a basic learning of horticulture and practices involved in planting, transplanting, watering, fertilizing, pest control, harvesting and selling. Students will gain basic knowledge on how these processes are done and why. Knowledge of soil and the importance in horticulture will also be gained in this class.

Horticulture II ES Grades 9 – 12 One Semester

The class will consist of a continuing learning of all the processes taught in Horticulture I. However, these processes will be expanded with many different types of growing media. Students will be able to select a specific project to be grown in greenhouse. Students will also be responsible for growing and keeping records of the plants for the annual spring plant sale. Different growing techniques and ways to grow plants will be examined and used.

Introduction to Food Science I ES Grades 9 – 12 One Semester (Fall)

This class is an ideal resource for anyone interested in a comprehensive overview of the science of foods. Units that would be covered would be basic make-up of food and nutrition, to food composition and preservation, to environmental concerns and world food needs. You will learn about the science also get insight into career opportunities for those interested in working within food science industry.

Introduction to Food Science II Grades 9-12 One Semester (Spring)

Building upon the science aspects of food from Food Science I, students will learn more about the food they eat impacts their bodies. Students will also learn basic cooking skills - measuring, abbreviations and proper handling of food will be discussed. Students will have the opportunity

to build upon their skills by cooking full meals and desserts.

Introduction to Veterinary Science Grades 9 – 12 One Semester

This class is an introduction to the process of becoming a veterinarian and the things a veterinarian has to see and deal with. In addition to outlining career opportunities in this fascination field of study, this class will deal with topics on cells, tissues, systems nutrition, species comparison, principle of disease, disease prevention and diagnosis, basic surgery, and economic-decision making and veterinary practice.

Welding I Grade 9-12 One Semester

This course will be focusing on the following welding techniques: selection and use of arc welding equipment, and the basic welding positions and types; also, selection and use of gas welding equipment and mastery of cutting, gas welding and brazing. Included in this will be safety, selection of steel, and spot welding.

Welding II Grades 9-12 One Semester

This course will be focusing on the following welding techniques: selection and use of arc welding equipment, and the mastery of basic welding positions and types; also, selection and use of gas welding equipment and mastery of cutting, gas welding and brazing. Included in this will be safety, selection of steel, and spot welding. Students must pass Welding I with at least a C average to be considered for Welding II. Individual projects will be the basis for this class.

Fish and Wildlife Management Grades 9 -12 One Semester

Interested in the wildlife that surrounds us? This course will focus on basic wildlife management, specifically the history, hunting regulations, upland game species, whitetail deer, waterfowl, fish, and endangered species. Wildlife management, outdoor safety and recreation will also be topics for this class. Projects include taxidermy, creating habitats for several wildlife, duck decoying and others.

BUSINESS EDUCATION

Accounting I One Year Grades 11-12

This course provides an understanding of the basic elements and concepts of accounting systems. Activities include the accounting cycle, entering transactions in journals, posting to ledgers, end-of-period statements and reports, payroll systems, banking activities, taxes, uncollected accounts, depreciation, inventories and notes and interest. Some people use knowledge of accounting as a means of earning a living. Almost all people use knowledge of accounting in personal financial activities. Successful completion of this class can earn the student credit at SWTC. If you enjoy working with numbers and are interested in learning about managing money, accounting is the course for you! *This course is recommended for students who are pursuing careers in accounting, finance, business management, law, marketing, and the administrative assistant area.*

Accounting II Semester/One Year Grade 12 Prerequisite: Accounting I

Students who enjoyed the first-accounting course will receive more in-depth training in this advanced course. Necessary skills will be developed for university business classes in accounting, related careers or for employment after high school. Students will expand their knowledge of manual and computerized accounting procedures. This course provides additional practice with the accounting system. Activities will include computer based application of the accounting concepts. This class most likely is on an individualized basis. Students taking this class must be motivated. Successful completion of this class can earn the student credit at SWTC.

Consumer Education – 1 Year Grade 12 Required

This course is required for graduation and provides practical, usable knowledge from which the students can benefit as they move into the rigors and demands of independent adult living. Consumer Education is designed for students to learn how to get the most from their hard-earned dollars. Students will be taught good management of personal business affairs, banking services, credit loans, installment buying, budgeting, housing, insurance, informed and skillful buying, consumer protection agencies, and the role of business and government in our economy. Emphasis is placed on developing personal economic decision-making competence.

Taking Care of Business One Semester Grades 9-12

What is happening in the business world today? What are ethics? What is management? International Business? How do you plan a business trip? You will also be informed about how to succeed on the job, time management, and the 7 Habits of Highly Effective Teens. This course is an overview of management practices and principles. Major topics include management functions of planning, organizing and staffing. Time management and school and career management will also be discussed. *This course is recommended for all students planning to major in business in college.*

AP Economics Full Year Grades 11-12 - Unless instructor approved

AP Economics is designed to give you a thorough understanding of the principles of economics that guide our world, as well as the principles that apply to individual economic decision-makers. Students will use graphs, charts and data to analyze, describe, and explain economic concepts.

COMPUTER SCIENCE

Technical Communications One Semester Grades 9-12

Technical Communications will provide students with an understanding of the core functions of both Google Applications and Microsoft office. Students will learn to use these applications on a professional level and practically apply these skills.

ENGLISH

English 9 - One Year - Grade 9 - Required

This course is designed to introduce freshmen to different types of literature, to continue to learn and implement the conventions of standard American English, and to develop and strengthen student writing and communication. Students will study the basic literary elements through literature units focusing on plot, conflict, setting, characters, and theme. Students will read major works including *Romeo and Juliet*, *The Odyssey*, and *To Kill A Mockingbird* along with several shorter works including short stories, poetry, and nonfiction texts. Students will have opportunities to write creative, informative, and persuasive pieces, often in response to the literature in the course.

English 10 - One Year - Grade 10 - Required

This course is designed to review and expand the student's language skills, deepen their appreciation for complex literature and challenge them to improve their writing. Students will focus on thematic units built on characterization, and will read Shakespearean tragedy, contemporary fiction, and several short story selections and other genres of literature and nonfiction texts. Major works will include Shakespeare's *Julius Caesar*, the contemporary novel *Peak*, and the classic novel *Lord of the Flies*. Furthermore, students will conduct several writing projects that include creative writing, poetry, persuasive writing, and informative and literary analysis essays, all in response to the literature in the course. There will be a focus on research and investigation throughout the year, both in connection to the literature, and separately. Students will also begin to build resumes and other career documents for their future.

Speech - One Semester - Grade 11 or 12 - ½ credit - Required

Students explore the fundamentals of effective oral presentations to small and large groups, including informative, demonstration, and persuasive speeches. Students demonstrate competency through topic selection, audience analysis, methods of organization, research, structuring evidence and support, delivery techniques, rhetorical devices and strategies, and other essential elements of speaking successfully, including the listening process.

*Speech is required for graduation for all students during either 11th or 12th grade. Each student must still accumulate a total of 4 credits of English.

*The English department is currently exploring the option of offering this as a transcribed credit through SWTC

American Literature - One Semester - Grade 11 or 12 - ½ credit - Choice

This course is designed to explore author's purpose through the major American literary movements which occurred in our nation's history. Students will study authors and texts from the Colonial, Romantic, Transcendental, Realistic, Naturalistic, Modern, and Postmodern time periods. Major writers include William Bradford, Thomas Jefferson, Anne Bradstreet, Benjamin Franklin, Thomas Jefferson, Washington Irving, Edgar Allan Poe, Herman Melville, Jack London, Mark Twain, Kate Chopin, Ernest Hemingway, John Steinbeck, Robert Frost, Arthur Miller, Langston Hughes, Zora Neale Hurston, Amy Tan, and Sherman Alexie, among others.

Students will have several opportunities to practice writing informative, expressive, comparative, argumentative, and evaluative pieces through quick writes and essays.

AP English 12 - One Year - Grade 12 – 1 credit - Choice

In this course, the equivalent of an introductory college-level survey class, students are immersed in a variety of novels, plays, poems, and short stories from various periods. The primary focus of this class is to enhance students' abilities to critically analyze various forms of literature, and compose literary analysis in response to that literature. In doing so, students will increase their college readiness. Students will read and write regularly using a variety of multimedia and interactive activities, interpretive writing assignments, and there will be a strong emphasis on purposeful group discussion to inform the written analysis. In addition, students will learn to recognize and understand literary devices and vocabulary. Students prepare for the AP Exam and for further study in creative writing, literature, speech, and composition, as these skills are expected within the general education requirements for all universities. Students taking this course will be expected to dedicate time outside of the classroom as it is a college-level course. Students will be expected to take the AP exam in May.

Journalism and Publications - One Year / One Semester - Grade 11-12 - Via application process

In this course, students will design and create the high school yearbook and compose journalistic articles for an online school newspaper. This course will include: writing elements, including journalistic styles, interviewing, meeting deadlines, and editing and proofreading skills; business elements, including sales of yearbooks and advertisements, keeping records, and business communications; photography elements, including basic photography skills and photo editing skills; and graphic design elements, including planning of format and layout of the yearbook, and designing pages and elements for the yearbook. Students will also assume the creation and editing of the Chieftain News video presentations, as another element of their training in journalism. Students will work individually and cooperatively as a team to complete the various tasks. Students must complete an application process to be part of the journalism staff; admission to the class is restricted based on the application process. Students will be expected to occasionally work outside the normal school day to cover school events.

*Journalism Publications could be taken for one full year, or only one semester, and could be taken more than once (junior and senior year both), but would only count for up to 1 total credit of English; after this it would only count as an elective credit.

Creative Writing - One Semester - Grade 11 or 12 - ½ credit - Choice

This class will focus on the process of creation of literature in various genres. Students will create a poetry portfolio, several short stories (various genres and literary elements used), and a one act play script during the semester. Students will study the elements of these genres, and the literary terms associated with each genre, in detail, using mentor texts, before creating their own. The class will be heavily product based.

Written Communications - One Semester - Grade 11 or 12 - ½ credit - Choice

Focus on style, syntax, and format of business specific writing tasks, including the creation of application documents, business communications such as memos and emails, and business reports and presentations, using mentor texts as models.

Grit Lit. - One Semester - Grade 11 or 12 - ½ credit – Choice

Focus on mostly contemporary literature with a theme of struggle, perseverance, and personal goal accomplishment. Includes selections relating to outdoors, sports, war, or similar topics and themes. Writing will include personal narratives and literary reader response writing.

Drama in the Theater - One Semester - Grade 11 or 12 - ½ credit - Choice

Focus on reading, interpreting, applying, and creating stage drama scripts. Will utilize the auditorium facility to teach stage management, lighting and set design, and sound engineering skills. Mentor texts will be a key element.

DRIVER EDUCATION

Driver Education will be offered through Southwest Technical College. Administration from SWTC will contact freshmen during their spring semester.

WORLD LANGUAGE

Spanish 1 (One Year) Grades 9-12

This course is the first Spanish course offered to high schoolers and is suitable for students who have never had Spanish before or for students who have had some Exploratory Spanish in middle school. In Spanish 1, students learn to describe themselves and talk about their lives (school, family, extracurriculars, etc.). We study pre-conversation skills, speaking and writing in lists and simple sentences, and recognizing words and phrases when we're reading and listening. Topics in class are presented in Spanish and with real-world materials that show the culture of Spanish-speaking people around the world. Students will keep an electronic proficiency portfolio to demonstrate their progress throughout the course.

Spanish 2 (One Year) Grades 9-12 Prerequisite: "C" or better in Spanish 1

This course is the second Spanish course offered to high schoolers and is suitable for students who received a C or better in Spanish 1 (others with teacher permission). In Spanish 2, students learn to describe their daily lives and talk about familiar topics (vacations, daily routines, ordering food at restaurants, shopping, etc.). We study pre-conversation skills, speaking and writing in complete sentences and recognizing phrases and simple sentences when we're reading and listening. Topics in

class are presented in Spanish and with real-world materials that show the culture of Spanish-speaking people around the world. Students will keep an electronic proficiency portfolio to demonstrate their progress throughout the course.

Spanish 3/4 (One Year) Grades 9-12 Prerequisite: “C” or better in Spanish 2, 3

This course is for students who have completed Spanish 2 or Spanish 3 with a C or better (others with teacher permission). It is a multi-level course in which Spanish 3 and 4 students learn together side by side. In Spanish 3/4, students learn to describe and discuss a variety of familiar topics (technology, cooking, driving, careers, the environment, etc.). We practice spontaneous conversation, speaking and writing in connected sentences and paragraphs, and recognizing the main idea and details when we’re reading and listening. Topics in class are presented in Spanish and with real-world materials that show the culture of Spanish-speaking people around the world. Spanish 4 students will complete a research project that involves writing and presenting in Spanish. All students will keep an electronic proficiency portfolio to demonstrate their progress throughout the course.

HEALTH

Health 10 (Required) .5 credit One Semester 10 Grade

Health is a half credit course, which alternates with Phy. Ed. 10. The class is designed to aid the student in developing into a healthy person on all levels: physical, mental and emotional. The class begins with units dealing with subjects such as emotions, self-image, stress, and mental health. Next they discuss physical health, nutrition, physical fitness, medicines, and drugs. The class ends with the focus Environmental Health and Human Sexuality.

MATHEMATICS

To survive in the technological world today, every student with mathematical aptitude needs to study Algebra and Geometry. All universities require these two subjects for entrance.

Wisconsin Universities require three credits of high school math including Algebra I, Algebra II and Geometry. Algebra A and Algebra B is a two-year sequence which may be substituted for Algebra I with teacher recommendation. For these reasons, all students with necessary skills will take Algebra and Geometry. Students with special academic needs may be granted a different sequence of high school math classes. The intent of this course of study is to provide an appropriate learning experience for everyone. **Note: Students successfully completing 8th grade Algebra I, will receive high school ELECTIVE credit – NOT – math credit and will still need 3 additional credits of high school math.**

Algebra A One year - Prerequisite: Recommendation of 8th grade teacher

This is the first of a two-year sequence, which covers the same curriculum of the traditional Algebra class. The topics covered in this first of two year Algebra class are solving linear

equations, graphing and writing linear equations, solving linear inequalities, solving systems of linear equations, linear functions, exponential functions, polynomial equations and factoring, and graphing quadratic functions.

Algebra B One year – Prerequisite: Successful completion of Algebra A

This is the second of a two-year sequence, which spends time reviewing important topics learned in the first year and moves into solving quadratic equations, square root functions and geometry, rational equations and functions, and data analysis and displays.

Algebra I One Year Recommended for Grade 9

This course covers all the common core standards for an Algebra I class. Topics in this course include working with linear equations and graphing, linear inequalities and graphing, linear functions, exponential equations and functions, polynomials equations and factoring, graphing and solving quadratic functions, square root functions and geometry, rational functions and data analysis and displays.

Algebra II One-Year Recommend for Grade 11

Prerequisite: Algebra I and Geometry (minimum of a "C" average recommended).

After an extensive review of Algebra I, Algebra II will cover the following new materials: type products, factoring, equations, fractional equations, functions and graphs, systems of linear equations, exponents and radicals, quadratic functions, logarithms, progressions, binomials, theorems, permutations, combinations, and probability.

AP Calculus Prerequisite: Pre-Calculus and Teacher Approval

This calculus course is designed for those students who may be taking calculus in their post-secondary education with the option of potentially earning college credit for Calculus (with a required score on the AP exam). Within the study of Calculus, students will learn essential time management and study skills needed for college and career success. Students will also learn to tap their creativity and their problem-solving skills to address course challenges. Topics covered in AP Calculus include Limits and Their Properties, Differentiation, Application of Differentiation, Integration, Logarithmic, Exponential and other Transcendental Functions, Applications of Integration, Integration Techniques and Infinite Series. Additional topics may be explored or substituted as the need arises, per the College Board and/or postsecondary expectations.

Geometry One Year Recommended for Grade 10 Prerequisite: Algebra I

Geometry is the study of the properties of plane and solid geometric figures. This course will emphasize the fundamental facts of geometry that are needed in everyday life. Students are encouraged to use the algebra they have learned in earlier courses to solve problems.

It includes the idea of deductive proofs and provides the students with an opportunity to learn to reason logically.

Pre-Calculus Prerequisite: Algebra II One year Recommended for Grade 11or 12

Pre-calculus is intended for students who have completed 2 years of Algebra and one year of high school Geometry. Pre-calculus is designed for average and above average students who would like to prepare for college mathematics, review for college entrance examinations or simply to study more mathematics. Topics covered include functions, transforming graphs, inverse functions, polynomials & rational functions, exponential and logarithmic functions and their graphs, an in depth look into trigonometry including angle measure, right angle trigonometry, trigonometric functions, equations, and their graphs, and trigonometry identities. Systems of equations/inequalities and matrix work will also be discussed. It is not recommended that students take the second semester of Pre-calculus without taking the first semester of Pre-calculus.

Technical Mathematics 1 Year Prerequisite: Geometry

This math course is intended for senior students looking to attend a technical school or career that uses basic mathematics the following year. First semester will focus on occupational math skills including fractions, decimals, percents, formulas and introductory algebra. Second semester will topics included will be measurement, geometric shapes, statistics, finance and trigonometry. Mastery of each topic will require students to solve application problems.

MUSIC

Vocal Music One Year Grades 9-12 Courses may be repeated.

Concert Choir is offered everyday of the week, with students also in band alternately Tuesday, Thursday, and every other Friday. This class is open to any student interested in singing. Attendance at concerts, other performance opportunities and Large Group Choral Festival is mandatory. The content of this course is based upon the WI DPI standards for music education. Assessment of singing skills is based on performance guidelines for Wisconsin School Music Association and individual goals set by student and instructor. Students are encouraged to participate in the WSMA Solo/Ensemble Festival. Students will be required to prepare a solo/ensemble, but not required to perform at the festival. Concert performance and improvement of specific singing skills are the basis of grades.

High School Band One Year Grades 9-12 Course may be repeated

High School band is offered to any student who has had at least one year of individual lessons on an instrument. Emphasis is placed upon the further acquisition and improvement of skills throughout their years in band. Full band meets on Mondays, Wednesday and alternating Fridays, with individual or small group lessons required weekly. Activities include numerous public performances with the pep band, concert band, and other ensembles as well. The curriculum offers instruction in various musical styles

PHYSICAL EDUCATION

The basic requirement for graduation is 1.5 credits of Physical Education.

Freshman = Required 1 Semester (may be taken entire year)

Sophomore = Required 1 Semester (1 quarter in semester. 1, and 1 qtr. in Sem.2)

Junior/Senior = Required .5 credits during JR or SR years (any additional can be taken as an elective)

Note: Only 1 credit of Physical Education may be taken during a school year.

Physical Education One semester or year – Grades 9 thru 12 – May be repeated.

This course introduces students to different recreational and competitive activities. A variety of lifetime activities will be stressed. This class meets daily for one semester. Major units included in this class is golf, archery, flag football, soccer, volleyball, basketball, recreational activities, speedball, team handball, eclipse ball, floor hockey, lacrosse, softball, physical fitness testing, lifetime fitness (unit).

Physical Education 10

One semester - This class alternates with Health 10 and meets on a quarterly basis. CPR certification will be added. The class builds upon skills and activities introduced in Grade 9, continuing the competitive atmosphere of peer contact and developing leadership and participation.

Personal Fitness – May be repeated. One semester or year - Pre-requisite - Second semester sophomore status, junior or senior.

This class is designed for the highly self motivated. The main focus will be participation in a personal strength and conditioning program. Students will implement their own individual program using basic to advanced strength and conditioning training principles. Students will participate in weight training, speed and agility programs and aerobic conditioning workouts. Grading will be based on participation, record keeping, knowledge of exercises, and improvement from various physical pre-tests.

SCIENCE

Advanced Chemistry 1 year Prerequisite: Chemistry “B” or better

This course will be a blend of advanced topics not taught in basic chemistry but are typically seen in the first semester of a college general chemistry course as well as a more in depth analysis of topics previously touched on in basic chemistry. Topics will include acids, bases, and salts; electrochemistry; nuclear chemistry; and organic chemistry. Grades will be based on documentation of laboratory work and tests.

United States; the location of states, capitals and physical aspects of our country. The class will take what they have learned throughout the semester and students will create their own country.

Government Grade 11 Semester 1 (Required)

This class is concerned with the study of U.S. citizenship and how our government in the United States works. Emphasis is placed on the various levels of the government (Federal, State, and Local) and the 3 branches of government (Legislative, Judicial, and Executive). Investigating how these branches work and how the system of checks and balances keeps everything in order while maintaining equality is a high priority.

Psychology One Semester Grades 9-12

Psychology is the study of human behavior, developmental and mental process. We investigate topics such as memory, intelligence, infancy/childhood, personality, consciousness, as well as psychological research methods. Throughout the class you will learn about who you are and why many do some of the things you do through PSI'S – Personal Skills Inventories. We may also participate in and conduct several experiments.

Sociology One Semester Grades 9-12

Sociology is the study of why people behave the way they do. What motivates them to act in a certain way? This class will cover a wide variety of topics that may change due to the make-up of the class. We will dive into the criminal mind and investigate what makes a person commit a crime. How are they different from the rest of the people that don't commit crimes? We will look at the issue of racism and discrimination and try to understand what causes people to hate. We will look at the idea of family and the influence people close to us have on our daily decisions.

United States History One year Grade 9 (Required)

The study of U.S. History during the freshman year will cover the period of time from WWI to the present. It will involve an examination of major patterns and events that have involved our nation in its past. Major topics to be covered are as follows: WWI, the prosperity of the 1920's, the Great Depression, Prohibition, WWII, the Cold War, the Korean War, the turbulent 60's, the Cuban Missile Crisis, Vietnam, Watergate, the Equal Rights Movement, Desert Storm, and current topics of today.

World History One year Grade 10 (Required)

A survey course of all the elements, which have affected the development of the western culture as we know it today. Some topics are treated in more detail than other Greek and Roman civilization, medieval period, the reformation and the renaissance are major topics. Also covered are pre-historic and early history of the people of the Middle East, the native people of Africa and the Americans. The purpose is to give the students a basic knowledge of why societies have developed into what they have become today.

TECHNOLOGY EDUCATION

Woods Grades 9-12 One Semester Prerequisite: None

This course focuses on exploratory experiences that will provide students the basic skills necessary to function in any manufacturing environment. The course emphasizes project planning and power tool safety through the creation of woodworking exercises and projects. Students will acquire the principle properties of wood and lumber then apply this to instructor lead wood projects. These projects will strategically apply different tools, techniques, wood species, fastening techniques, and finishing techniques.

Metals Grades 9-12 One Semester Prerequisite: None

This course focuses on exploratory experiences that will provide students the basic skills necessary to function in any manufacturing environment. The course emphasizes project planning and power tool safety through the creation of metal exercises and projects. Students will acquire the physical, chemical, and machine properties of metals and steel then apply this to instructor lead metal projects. These projects will strategically apply different tools, techniques, metal types, fastening techniques (other than welding), and finishing techniques.

Structures Grades 9-12 One Semester Prerequisite: None

This course introduces students to the construction process and basic constructions systems. Students will study the planning process and the construction of foundation systems, floor, wall, and roof framing. This is a hands-on course. Students will complete a variety of real world construction projects lead by the instructor. Plumbing, Electrical, Water, and Concrete systems will also be discussed and applied to meet project needs.

Mechanics Grades 9-12 One Semester Prerequisite: None

This course is designed to introduce students to mechanical processes and basic engine systems. Students will train in the theory of engines as well as electrical, exhaust, fuel, and other systems encompassed around internal combustion motors. In this hands on course students will repair, build, troubleshoot, and test engines and machines. Suspension, transmissions, body work, and vehicle features will also be discussed and first hand knowledge attained.

Advanced Shop-Independent Experience Grades 9-12 One Semester Prerequisite: Welding, Metals, Woods, Structures, or Mechanics

This course is designed to be 100% hands on and 100% student driven. Students will develop knowledge of project design, drafting, developing a bill of materials, and reporting project progress. This knowledge will then be applied into their own projects they will individually design, price, build, and evaluate. Students are encouraged to develop and construct a project based on the tolerances of their prerequisites. Students wishing to construct a project outside of the tolerances of their pre-requisite may do so with the instructor's permission.

Advanced Shop-Workplace Experience Grade 9-12 One Semester

Prerequisite: Welding, Metals, Woods, Structures, or Mechanics

This course is designed to be 100% hands on and 100% student driven. Students will develop the knowledge of designing a project, reading design plans, developing a bill of materials, and reporting project progress. This knowledge will then be applied into a project students will design, price, build, and evaluate in a workplace/team environment. Students will also have the opportunity to hold different responsibilities of the workplace team such as design lead or project foreman. Large projects will be chosen and completed that play to all team members' strengths.

Engineering Design Grade 9-12 One Semester Prerequisite: None

Engineering Design uses a "hands-on," problem-solving approach that allows students to learn the fundamentals of engineering design and development through the use of dynamic, real world situations. Students learn to use the Design Process to solve problems in a way that drives product development and innovation. Students will develop the fundamentals of drafting, computer-aided drafting, and architectural design. These fundamentals will then be applied to structural challenges, manufacturing, and building design. This class is highly encouraged for students before enrolling in Advanced Shop, Robotic, Electromechanical Design, or Project Management classes but not required.

Robotics Grade 9-12 One Semester Prerequisite: None

Students will utilize an activity-project-problem-based (APPB) learning approach to design, construct, program, evaluate and troubleshoot operator controlled and autonomous robots that can perform a variety of tasks from the simple to the complex. Students will learn to utilize Basic Output and Input Programming; While and If-Else Structures; Variables and Functions to operate robots and manage tasks. Students will also apply their electrical engineering knowledge to construct advanced electrically controlled robots or vehicles. Students will be using their hands and their minds to put science, Technology, Engineering and math skills to work solving real world problems.

Electromechanical Design Grade 11-12 One Semester

Prerequisite: Engineering Design or Robotics Or permission of the instructor

This course is Blue Collar STEM. Students will utilize activity-project-problem-based (APPB) learning to design and manufacture high-mileage/electrical powered vehicles and/or robots that can be utilized in competitive events. Students will be using their hands and their minds to put science, Technology, Engineering and math skills to work solving real world problems. Students will have the option of forming discrete teams to research, develop and build battery powered vehicles, fuel efficient motor driven vehicles, or robots capable of operating autonomously to accomplish a variety of tasks.

Students will utilize: The Design Process to guide themselves through the design, development, construction and testing of their projects. A variety of industry based, software packages to

design their projects and program their vehicles and robots. Modern manufacturing processes (CADD and CNC Machining) and traditional shop tools (welding, brazing and a variety of task specific processes) to build and assemble their projects. Knowledge of electricity, electronics and mechanical engineering to fine tune their projects.

Project Management Grade 11-12 One Semester

Prerequisite: Engineering Design and either woods, metals, structures, mechanics, or welding. Or permission from the instructor.

The goal of this course is to offer students the opportunity to work independently, as a team, and with the community. Students will work to design, price, propose, and even build projects within their community and school district. Real world building of real world problems to better themselves, classmates, and community. Opportunities await for students to work as different valuable members of the team including lead positions. Through these projects students will also enhance skills such as communication, professionalism, and citizenship all the while becoming valuable members of their communities.

Agricultural Engineering Grade 9-12 One Semester Prerequisite: None

This course will illustrate how engineering and technology has shaped the agricultural industry. Discussion of topics from the dawn of agriculture with hand and horse drawn equipment to the new era of agriculture with gps and robotics. The connection of engineering and technology will be made between everyday agriculture works such as: fencing, agricultural structures, livestock housing and handling, crop storage and feeding, livestock and crop harvesting equipment, machinery, implements and farm safety. Other systems will also be discussed such as electrical, plumbing, water, drainage, and land management as it relates to agriculture.

Advanced Livestock and Crop Production Grade 9-12 One Semester

Prerequisite: Animal Science or Plant and Soil Science

This course provides advanced knowledge of the animal science field. Topics include marketing and economics in livestock production, animal health, animal environments, anatomy and physiology, genetics and reproduction, animal feedstuffs, and job related safety. Participants will experience animal concepts through the completion of hands-on activities. Crop production offers instruction in plant science and gives attention to soils, chemicals, fertilizer, marketing, plant feeding, field crop management, and economics in field crop production.

LEARNING OPPORTUNITIES AND EDUCATION FOR EMPLOYMENT

Self-Advocacy - During Power Hour

Self-advocacy is an opportunity for special education students to learn about their rights and responsibilities as they prepare to transition to adulthood, employment, and post-secondary education. It is offered every other year and recommended for sophomores and juniors in the special education program. Students take this course in the fall of their sophomore, junior, or senior year in an effort to meet their IEP transition goals. The course aims to teach students about their individual disability and how to advocate for appropriate accommodations. Students will also learn about their legal rights and responsibilities under the government acts IDEA and ADA. In this course, special education students will develop a list of resources they may need upon entering post secondary education or the workforce, and they will create a plan for disclosure. Other topics covered include goal setting, employment and college searching, and the updating of employment documents such as a resume and cover letter.

Service Seminar One Semester Course may be repeated.

Grades 11 and 12 Student placement will be determined by the Counselor or Principal.

Service Seminar is an opportunity for students to gain career experience by showcasing their leadership in real-life project development. Examples of work may include tutoring, making bulletin boards, making copies, helping with recess supervision, or program development. Placement by office will commensurate with district need/student ability.

Youth Apprenticeship

Youth apprenticeship programs offer students the opportunity to earn while you learn. Students will engage in a variety of school-based and work-based learning activities. Depending upon the program the student selects, school based instruction takes place at either Potosi High School or Southwest Technical College. A student's employer delivers work-based learning. Opportunities exist in the following fields: Health Services, Auto Tech and Auto Collision, and Finance. There are two-year and one-year programs. **See instructor or counselor for more information.**

Work Experience (First Semester Only)

Grades 11 – 12 One Semester

The work experience program offers students the opportunity explore their career goals and to study current issues in the workplace. Topics include employability skills, time management, employee/employer relations and how to deal with customers. **Students enrolled in the course can enroll in the Job Site Class** and be released from school in order to work in private industry. Students can receive school credit for employment outside the school (one hour/day first semester and up to 2 hours/day second semester with permission). **See Instructor or School Counselor for more information.**

Work Experience - Job Site

Grades 11 – 12 At least one semester.

Prerequisite: Students must take Work Experience semester 1 to take Job Site