

Sparta High School

Course Handbook



2025-2026

www.spartan.org

It is the policy of the Sparta Area School District to comply with all applicable state or federal laws concerning non-discrimination and, therefore, no person may be denied admission to any public school in this District or be denied participation in, be denied the benefits of, or otherwise be discriminated against in any curricular, extracurricular, pupil services, recreational, or other program or activity on grounds that include the person's sex, race, color, national origin, ancestry, creed, socio-economic status, homeless status, religion, pregnancy or marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap, or any other factor outlined in state or federal law.

The Sparta Area School District does not discriminate on the basis of sex and prohibits sex discrimination in any education program or activity that it operates, as required by Title IX and its regulations, including in admission and employment. Inquiries about Title IX may be referred to the Sparta Area School District's Title IX Coordinator, the U.S. Department of Education's Office for Civil Rights, or both. The Sparta Area School District's Title IX Coordinator is Lisa Molland, Director of Student Services, 900 E. Montgomery St., Sparta, WI, 54656, 608-366-3400, lmolland@spartan.org.

The Sparta Area School District's nondiscrimination policy and grievance procedures can be located at www.spartan.org. To report information about conduct that may constitute sex discrimination or make a complaint of sex discrimination under Title IX, please refer to www.spartan.org. Contact information for OCR is available here: <https://ocrcas.ed.gov/contact-ocr>

REGISTRATION AND SCHEDULING PROCESS

Selecting courses and fulfilling graduation requirements involves many choices and decisions. Students are responsible for making these choices and for the consequences and outcomes of their choices. **This decision-making in fact is a part of the educational process.** The school assists the student in the process of course selection in a number of ways. This catalog outlines the process of course selection, course descriptions, graduation requirements, services offered and course preparation for post high school; all of the information in this handbook is subject to change without notice. It is important that all of these sections are read carefully and any questions directed to school counselors or staff members. The process of registration and scheduling affords the student many opportunities to consult with parents, school counselors and staff members. The process is described as follows:

Information Distribution—Catalogs and course sign-up sheets are distributed at the start of second semester. School counselors go through the catalog and emphasize the major areas of concern that students may have regarding graduation requirements, course descriptions, and post high school planning. At this time questions should be asked and appointments made to see your school counselor.

Registration and Scheduling - About one week after the course information is distributed students are asked to make a decision in reference to the courses they want for the next school year. After all course requests have been tabulated, the number of sections and teachers needed are determined. Any change will be based on improving availability for student requests. **Some courses may be canceled due to lack of enrollment. If this is the case, a student's back up class will be selected. It is important to choose your courses carefully. All students must submit a course card with their selections. If students do not turn in a card, Student Services and Administration will pick courses.**

Online Learning Courses - Students have the option to participate in one online class per semester. **Students planning on taking an online course must be requested through the normal scheduling/registration process as with their traditional course requests.** If the District offers a course in a traditional setting, the student may be allowed to participate in a comparable virtual course due to an unavoidable scheduling conflict or special circumstance. Please refer to Article 2370.02 – E-Learning Opportunities.

BASIC INFORMATION FOR COURSE REGISTRATION

A considerable amount of time, effort, and planning goes into the preparation of our master schedule and individual student programs. Students, with the help of parents and counselors, should carefully plan their course of study. The dropping and adding of courses will only be allowed in those cases where an irresolvable conflict makes it necessary, a course which the student has signed up for is dropped and a replacement is therefore needed, or changes deemed necessary by the instructor, school counselor and principal. The course description book and other information regarding courses are available on the school's website www.spartan.org.

Required courses and basic requirements for graduation:

- 16 elective credits minimum
- 8 credits of English
- 8 credits of Social Studies- which includes Personal Finance & Government
- 6 credits of Mathematics
- 6 credits of Science
- 3 credits of Physical Education
- 1 credit of Health
- 48 credits for graduation
- *Completion of Civics Test
- *Completion of required Service Learning Hours

Students planning to further their education beyond high school must assume responsibility for meeting entrance requirements for the institutions being considered. It is wise to check these requirements periodically with your school counselor and college of choice to make sure you have the required credits for graduation and post-secondary plans. **Remember to see your counselor for up-to-date information and requirements of any university or technical college you are thinking of attending.**

******All freshmen, sophomores, and juniors taking required courses are on pace to attend a four-year university or college. Students are responsible for registering for any electives required by a specific university or college. It is very important that students planning to go to college maintain good grades throughout high school.*

COURSE AND SCHEDULE CHANGES

Class changes must be requested and done in the first 5 days of the semester. Preference will be given to dropping/ adding classes over just dropping classes. If done after this timeframe, considerable academic time is lost, and a dropped class will be coded as a Withdrawal Failure (WF) on transcripts and requires approval from administration.

To do our best to provide the classes that our students want, our class offerings, the number of sections, the master schedule, and teacher assignments are based on the classes that students register and sign up for. Therefore, since course changes made to schedules after the school year begins interfere with the educational process and balance in classes for you and the other students, we are reluctant to make major changes without careful consideration of the need for the change, degree of disruption to the rest of a student schedule, number of students in the classes dropped/ added, and a students' college and career plan.

Any work release privileges scheduled during the school day (after school work applies too), must check on the option to be part of the Youth Apprenticeship (YA) program. See the explanation from the SHS Course Handbook below and/ or Ms. Adam's with questions and how to get started.

Schedule changes may not be done for changing your mind and not wanting a class anymore (preference if adding a class); schedule changes will not be granted for wanting a preferred teacher, to be in class with friends, preferred lunches, to have a lighter schedule, or to drop classes not needed for graduation.

Any exceptions to these guidelines will need administrative approval.

SPARTA HIGH SCHOOL ACADEMIC PLAN

The four-year plan is intended to help students and parents plan out their future in high school. Planning for the future provides a vision of education and career plans. Please read through the course description booklet, find what options are best for you.

- * Students must take between a minimum of 14 credits per year and a maximum of 16 credits per year
- * All freshmen are required to take a study hall 1st and 2nd semester. The only exception will be if a student is taking three of the following classes: band, choir, AND world language.
- * Passes Civics Test with the required passing grade
- * 48 credits is a baseline minimum, most students graduate with 55-60 credits.
- * Always be aware of your GPA, class rank, and activities.

REQUIRED**ELECTIVES****GRADE 9**

2 credits Freshman English
 2 credits Math (Algebra)
 2 credits Science (Biology)
 1 credit Social Studies (Human Geography)
 1 credit Physical Education 1
 1 credit Health

5- 6 Elective credits

GRADE 10

2 credits Sophomore English
 2 credits Math (Geometry)
 2 credits Science (Chemistry)
 2 credits Social Studies (World Civilizations)
 1 credit Physical Education

5 -7 Elective credits

GRADE 11

2 credits Junior English
 2 credits Math (Algebra II)
 2 credits Science (Physics)
 3 credits Social Studies (US History & Personal Finance)
 1 credit Physical Education
 *Passes Civics Test

4- 6 Elective credits

GRADE 12

2 credits English
 2 credits Social Studies (Government and 1 Elective)

10- 12 Elective credits

Four Year College requirements for the University of Wisconsin System:

English: 4 years required

Math: 3 years required (through Algebra II) (4 years recommended)

Science: 3 years required (4 years recommended)

Social Studies: 3-4 years required

Electives: chosen from above areas, fine arts, computer science, and other academic or vocational areas

World Language: UW-Madison and University of Minnesota require 2 years for admission. The majority of colleges do not require a World Language to be admitted, however, the typical 4 year applicant has at least two years of the same World Language. Students may be required to take a world language as part of general education requirements at the college level. If you intend to enroll in a four-year university, it is in your best interest to take a world language and it is considered a strong elective choice.

NOTE: Use the course keys listed in the left hand column to assist with online course registration.

AGRICULTURE & NATURAL RESOURCES

AGINTR	Introduction to Agriscience
AGFISH	Fish and Wildlife Management
AGPLAN	Plants and Landscapes
AGANII	Animal Health
AGSMAL	Small Animal Veterinarian Science
AGWILD	Wildlife Management
AGGREE	Greenhouse Management
AGLRG	Large Animal Science
AGBUS	Agribusiness Leadership Development
AGFOOD	Ag Foods Processing
AGCOOP	Work Based Learning

ART

ASCULI	Sculpture I
ATWO	2-D Art Foundations
APOTT1	Pottery I
APOTT2	Pottery II
APOTT3	Pottery III
ADRPTI	Drawing & Painting I
ADRPII	Drawing & Painting II
ASCLII	Sculpture II
APRTGR	Printmaking & Graphic Design
APHOTO	Digital Photography
AMETJ	Jewelry/Art Metal
ARTAP	Studio Art

BUSINESS & INFORMATION TECHNOLOGY and MARKETING

BISOFT	Software Applications for Business
BTECH	Digital Marketing
BINTRO	Intro to Business
BACCT1	Accounting I
BACCT2	Accounting II
BDESK1	Graphic Design I
BDESK2	Graphic Design II
BYRBK	Yearbook
BMARKI	Intro to Marketing & Sales
BADVMA	Advanced Marketing & Professionalism
BSPORT	Sports & Entertainment Marketing
BMARKM	Entrepreneurship
BMARKR	Retail Marketing & Customer Service
BCARR	Career Ready
BWKBS	Work Based Learning

ENGLISH

EFRENG	Freshman English
EHFRE	Honors Freshman English
ESOENG	Sophomore English
EHSOP	Honors Sophomore English
EJRENG	Junior English
EAPLIT	AP English Literature and Composition
EACOMS	Applied Communication Skills
EADCOM	AP English Language and Composition
EWRT	Creative Writing
EGENCO	Media Communications
EWRCOM	English 101
ESPC	Speech
EMYTH	Mythology
ESCTLT	Senior Seminar: Contemporary Literature

FAMILY AND CONSUMER SCIENCE

FOODI	Introduction to Foods
FFOOD1	Creative Foods
FFOOD2	Advanced Creative Foods
FHUMRE	Human Relations
FPARNT	Parents and Children
FCHIL1	Child Care I – Child Development
FCHIL2	Child Care II – Assistant Childcare Teacher
FFABB	Beginning Fashion and Fabrics
FFABA	Advanced Fashion and Fabrics
FINTD	Interior Design
FFAMIL	Work Based Learning

HEALTH

HHEAL	Health
HHEAI	Health Issues
HEACA	Health Careers

MATHEMATICS

MALG1	Algebra I
MGEOM	Geometry
MHGEOM	Honors Geometry
MALG15	Algebra 1.5
MALG2	Algebra 2
MCALCP	Pre-Calculus
MAPCAL	AP Calculus
MASTAT	Statistics
MALSKI	Life Skills Math
TEMFMA	Manufacturing Math
MINVRE	Intervention Resource

MISCELLANEOUS

MIASST	Teacher's Assistant
MIOFF	Office Worker
MIPRLD	Principles of Leadership
MIPRL2	Leadership Connections
BYAPP	Youth Apprenticeship

MUSIC

MUCHOT	Treble Choir
MUCHOM	Bass/ Tenor Choir
MUCHAM	Chamber Choir
MUVOC	Vocal Jazz
MU170	Foundations of Music
MUCONB	Concert Band
MUBANS	Symphonic Band
MUBANJ	Jazz Band

PHYSICAL EDUCATION

PE 1	PE I
PELIFE	Lifetime Sports
PETIAM	Team Sports
PEINDV	Individual Sports
PESTR	Strength/Speed Training
PEFIT	Personal Fitness
PEUNPE	Unified PE

SCIENCE

SCBIO1	Biology
SCHBIO	Honors Biology
SCCHEM	Chemistry
SCHCHE	Honors Chemistry
SCPHY	Physics
SCAPPH	AP Physics I
SCANAT	Human Anatomy and Physiology
SCAPBI	AP Biology
SCAPCH	AP Chemistry
SCBIOC	Biochemistry
SCCRIM	Criminalistics
SCCHM1	Meteorology
SCAPHY	Applied Physical Science

SOCIAL STUDIES

SOWGEO	Human Geography
SOCIV	World Civilization
SOAPWH	AP World History
SOUS	US History
SOA201	Advanced US History 201/ History 202 (Dual Credit)
SOA202	Advanced US History 202/History 202 (Dual Credit)
SOPFINA	Personal Finance
SOECON	Economics
SOGOVT	American Government
SOCURR	Current Events
SOPSYC	Psychology
SOAPPS	AP Psychology
SOSOCF	Social Problems
SOWW	World War II

SPECIAL EDUCATION

SPCARD	Card Shop
SPCARE	Career Exploration
SPCOOK	Cooking Skills
SPSK	Independent Skills
SPLIF	Life Skills
SPRE	Resource
SPSUC1	Success Center (1 st semester)
SPSUC2	Success Center (2 nd semester)
SPWK	Work Skills
SPWORK	Work
SPRDG	Reading Skills
SPREA1	Reading 1/2
SPIENG	Independent English
SPIHEA	Independent Health
SPMATH	Math Skills
SPMAT1	Functional Math 1
SPIMAT	Independent Math
PEADPH	Adaptive Physical Education
PEUNPE	Unified PE
SPIPE	Independent Physical Education
SPSCI	Science Skills
SPHEA	Health-Science
SPISCI	Independent Science
SPSOC1	Social Studies Skills
SPCUR	Current Event Skills
SPSFAV	Self Advocacy
SPTR3H	Transition
SPISOC	Independent Social Studies
SPIGOV	Independent Government

THEATER EDUCATION

MUACT1	Acting 1
MUACT2	Acting 2
MUIMPR	Improvisation
MUMT1	Musical Theater 1
MUMT2	Musical Theater 2
MUTPD1	Theater Production and Design 1
MUTPD2	Theater Production and Design 2

TECHNOLOGY EDUCATION

TEINTR	Intro to Tech Education
TEPOWE	Power and Energy
TESMAL	Small Engine Repair

TEINAT	Introduction to Automotive Technology
TESIMP	Simple Fixes
TEBHAC	Basic Home & Auto Care
TEMAC1	Machining I
TEMAC2	Machining II (Advanced Machining, CNC, and Engineering Program)
TEENG1	Engineering Design I
TEENG2	Engineering Design II
TEWOOD	Woodworking I
TEWOO2	Woodworking II
TEWOO3	Woodworking III
TECARP	Building Construction I
TECAR2	Building Construction II
TEWEL1	Welding I
TEWEL2	Welding II (Welding Program- Advanced Welding *** WTC Transcribed- see below)
TEWORK	Work Based Learning

ADVANCED MACHINING, CNC, AND ENGINEERING PROGRAM

NOTE: The first FOUR required program classes are enrolled simultaneously for the entire school year. Manufacturing Math and Work Based Learning are suggested.

TEMINT	Fundamentals of Machining
TEBPR	Blueprint Reading- Machining
TEMI	Measurement & Inspection
TECNCP	CNC Production Operator (Lathe and Mill)
TEMFMA	Manufacturing Math
TECNC	Work Based Learning CNC (WBL)

WELDING PROGRAM

TEBPR	Blueprint Reading- Welding
TEFAB1	Fabrication 1
TEGMA1	Gas Metal Arc 1 (GMAW)
TEOFMC	Oxy Fuel Metals Cutting
TEOFMJ	Oxy Fuel Metals Joining
TESMA1	Shielded Metal Arc 1 (SMAW)
TESMA2	Shielded Metal Arc 2 (SMAW)
TETIG1	Tungsten Inert Gas 1 (TIG)
TEWELD	Work Based Learning Welding

WORLD LANGUAGE

LSPAN1	Spanish I
LSPAN2	Spanish II
LSPAN3	Spanish III
LSPAN4	Spanish IV
LSPAN5	Spanish V
LSPLC1	Spanish Literacy and Culture I
LSPLC2	Spanish Literacy and Culture II
LSPLC3	Spanish Literacy and Culture III
LSPLC4	Spanish Literacy and Culture IV
LGRMN1	German I
LGRMN2	German II
LGRMN3	German III
LGRMN4	German IV
LGRMN5	German V

ADVANCED PLACEMENT (AP) PROGRAM

The Advanced Placement (AP) program at Sparta High School offers students an opportunity to study and take AP exams that may lead to college credit. These AP courses can provide students with a head start in college, while being in the supportive environment of a high school classroom. Students can take an AP exam without taking an AP course.

The following courses are approved by College Board and are designated as AP on the transcript:

AP Physics I
AP Calculus AB
AP English Literature and Composition
AP English Language and Composition
AP Biology
AP Chemistry
AP Psychology

The AP exams are given in May of each school year and administered at the high school. The fee per AP exam will be discussed in class. Registration for AP exams is completed in the fall. More information can be found at <https://collegeboard.org/>. Completing the end-of-course AP exam sends a powerful message to colleges and universities that the student is academically prepared. It also assists the student in gaining admission, college credit, and placement into advanced courses. Colleges and universities only give credit or placement for qualifying AP Exam scores, not AP course grades. A corresponding AP exam score, allows schools to verify that the AP course(s) the student took are true college-level courses. For example, at the University of Wisconsin-La Crosse, students who participate in the Advanced Placement Program in high school and receive a score of 3, 4, or 5 on the AP exams will receive academic credit. Official high school transcripts of AP work and official AP score reports from the College Board must be submitted to the College/ University Admissions Office for evaluation to determine how academic credit will be awarded.

DUAL CREDIT COURSES

Dual credit, the opportunity to earn high school and college credit is an option in a partnership with UW-Oshkosh. Following their [CAPP program](#), an SHS student may earn college credit if applying and paying for credits while taking US History 201 or/and US History 202 classes. Students pay \$315 total for each class. There is a tuition savings for those in need, and the classes can also be taken without costs and not for credit. UW-O Credits are for their specific courses US History 201 & US History 202 and are transferable to any college/university campus (depending on the receiving campus) Taking these classes for dual credit also gives students full access to UW student online resources that may be helpful in all of their classes.

EARLY COLLEGE CREDIT PROGRAM

Students in grades 9 through 12 are permitted to enroll in a UW System institution, or a private, non-profit institution of higher education, to take one or more courses for which the student may earn high school credit, post-secondary credit, or both. Courses must be approved by the Sparta Area School Board and students must meet SHS requirements and admissions requirements of the college including ACT testing prior to enrollment. See your school counselor for an application, other requirements, and possible costs. An 18 credit maximum, between ECCP and SCN programs. **Applications are due on March 1st (for the fall semester) and October 1st (for the spring semester).**

START COLLEGE NOW

Students in grades 11 and 12 are permitted to enroll in a technical college to take one or more courses for which the student may earn high school credit, post-secondary credit, or both. Courses must be approved by the Sparta Area School Board and students must meet SHS requirements and admissions requirements of the college. See your school counselor for an application, other requirements, and possible costs. An 18 credit maximum, between ECCP and SCN programs. **Applications are due on March 1st (for the fall semester) and October 1st (for the spring semester).**

YOUTH APPRENTICESHIP

Mentored Hands-On Training. Youth Apprenticeship, a nationally recognized, Wisconsin state school-to-work program has returned to Sparta High School. This program is geared toward the junior or senior high school student who wants to experience hands-on learning at the worksite in conjunction with classroom instruction. This rigorous one or two year elective program combines academic and technical instruction with mentored on-the-job training that assists the student in making real world connections in the workplace. Additional benefits for the student include receiving class credit while working during and/or after school hours and receiving a Certificate of Occupational Proficiency from the Wisconsin Department of Workforce Development. Students may be released a portion of the school day to work at one of the mentoring businesses. Youth Apprenticeship training options are available in the following areas: *Architecture and Construction, Arts, Audio Visual Technology and Communication, Finance, Health Science, Hospitality and Tourism, Information Technology, Manufacturing, Marketing, Science Technology Engineering & Math (STEM), Transportation Distribution and Logistics (TDL)*

**Subject to relevant employer participation*

***A student may participate in the YA program without being released during the school day to work*

TRANSCRIPTED CREDIT

Transcripted credit courses are dual credit Western Technical College courses taught at Sparta High School by qualified high school teachers. Once students enroll and successfully complete the course with a C or better, they will receive credit from Sparta High School and Western Technical College. These courses are **free of charge** and students will complete paperwork with Western Technical College in the fall of each semester. Students can request their Western transcript at the completion of the course and many credits transfer to other college campuses. As of the publication of this course description book, the following classes will convert to college credit through the transcripted credit agreement at Western Technical College (these are subject to change without notice):

Sparta High School Course	College Credits	Western Technical Course Name
Software Applications for Business	3	Software Application for Business
Accounting II	4	Accounting Principles 1
Intro to Marketing & Sales	3	Selling Principles
Advanced Marketing & Professionalism	3	Professionalism and Success
Sports & Entertainment Marketing	3	Principles of Marketing
Entrepreneurship	3	Intro to Business
Retail Marketing & Customer Service	3	Quality Customer Service
Child Care I	3	Child Development
Woodworking III	2	Fundamentals of Woodworking
Basic Maintenance	3	Basic Maintenance
Blueprint Reading- Welding	1	Welding-Blueprint Reading 1
Oxy-fuel Metals Cutting	1	Welding-Oxy-Fuel Metals Cutting
Shielded Metal Arc	2	Welding-SMAW 1
Gas Metal Arc	2	Welding-GMAW 1
Oxygen Fuel Metals Joining	1	Welding-Oxy Fuel Metals Joining
Tungsten Inert Gas	2	Welding-TIG 1
Shielded Metal Arc 2	2	Welding-SMAW 2
Fabrication 1	2	Welding Fabrication 1
CNC Math	1	Manufacturing Math 1
Welding Math	1	Applied Math - Welding
Large Animal Science	3	Animal Science
Plants and Landscapes	3	Intro to Horticulture
Students who take Software Applications, Intro to Marketing & Sales, Advanced Marketing & Professionalism and Retail Marketing & Customer Service have an opportunity to earn a certificate in Sales Fundamentals.		

AGRICULTURE AND NATURAL RESOURCES DEPARTMENT

Course Key	Course Name	9	10	11	12	S/Y	TE	CTEERS
AGINTR	Introduction to Agriscience (Recommended first course)	X	X	X	X	S	X	1.09 A
AGFISH	Fish & Wildlife Management	X	X	X	X	S	X	1.09 A

AGPLAN	Plants and Landscape(2023-24, 2025-26, and 2027-28 school years)	X	X	X	X	S	**	1.09 A
AGANI1	Animal Health	X	X	X	X	S	X	1.09 A
AGSMAL	Small Animal Veterinarian Science (offered: 2023-24 and 2025-26)		X	X	X	S	X	1.09 A
AGWILD	Wildlife Management		X	X	X	S	X	1.09 A
AGGREE	Greenhouse Management		X	X	X	S	X	1.09 A
AGLRG	Large Animal Science (offered: 2022-23 and 2024-25)			X	X	S	**	1.09 A
AGBUS	Agribusiness Leadership Development			X	X	S		1.09 A
AGFOOD	Ag Foods Processing(offered: 2022-23 and 2024-25)			X	X	S		1.09 A
AGCOOP	Work Based Learning			X	X	Y		1.09 A

S – Semester Course

Y – Year Course

TE – Technology Emphasis Course

** -Transcripted with Western Technical College

Program Format

The Agricultural Education program consists of three integrated components/parts. These parts are the high school Ag-Ed classes, the National FFA Organization, and S.A.E (Supervised Agricultural Experience). A student wishing to be an FFA member must be enrolled in at least one Agriculture course during that year. All students are encouraged to join the National FFA Organization but are not required to. Being an FFA member poses many opportunities to showcase skills learned in class at Career Development Events where students can compete with students from other schools. Members are also privileged to attend various workshops and conventions held throughout the year as they meet new people and develop new networking skills. Students are encouraged to sign up for Introduction to Agriscience as their first course and then pick a pathway(s) following that course so that they are able to be in the Agriculture Classroom throughout their high school career.

AGINTR INTRODUCTION TO AGRISCIENCE

Grade Level: 9-12

Recommended: None (Required in order to take any other agriculture class)

Credit: 1

Ready to get down to the nitty gritty! This beginner level course explores the inner workings of the Agriculture Industry. Students develop an awareness and understanding of plants, animals, wildlife, forestry, food processing, soils, biotechnology and leadership all in this class. Students are engaged in hands-on learning labs where they work with plants, process meat and dairy products, analyze soil samples, create models, and so much more. This intro class also exposes students to agriculture careers and the opportunities of FFA. Students will develop communication, networking and leadership skills to carry on in their future. The goal of this class is to share the amazing world of agriculture in a fun and fast paced, hands-on classroom. This course is recommended for freshmen or new students to the agriculture classroom. This course is recommended to all agricultural courses.

AGFISH FISH AND WILDLIFE

Grade Level: 9-12

Recommended: Introduction to Agriscience

Credit: 1

Enjoy the outdoors? Take a walk on the wild side and learn about some of those critters that come out and prowl in the night! This class explores hunting the whitetail deer, game management, endangered wildlife, and a variety of wildlife species and their habitats. A fish taxidermy unit is a highlight of the course. Each student will be able to taxidermy a panfish as a first time taxidermist. Fish management, environmental sustainability, hunter safety, and other game animals are discussed in this course. In addition, students that take this course will be able to build LUNKERS for area trout stream improvement projects. Lab fee for this course is \$20. Additionally, students over 16 years of age will need to purchase a fishing license to acquire a panfish for the taxidermy project.

AGPLAN PLANTS AND LANDSCAPE

Grade Level: 9-12

Recommended: Introduction to Agriscience

Credit: 1

Course offered: 2023-24, 2025-26, and 2027-28 school years

This hands-on introduction to the basics of plants is not only for plant enthusiasts but for everyone. Join this class and explore the amazing and interesting possibilities of plants as we work in the greenhouse. We will study the effects on plants when we expose them

to different amounts of light, temperature, and soil media. We will grow plants from cuttings, construct floral arrangements, design landscape drawings, and have fun in the process as we also explore the vast growing careers in horticulture.

****Transcripted Credit Course:** Students who successfully complete this course with a C or above will receive college credit at Western Technical College. ******

AGANTI1 ANIMAL HEALTH

Grade Level: 9 -12

Recommended: Intro to Agriscience

Credit: 1

Animal Health will get you experience in the areas of small and large animal health care and management. Topics included will be careers, law and ethics, administrative duties, animal housing, medical terminology, animal care, handling of small animals, nutrition and animal training. Careers will continually be explored throughout the course. Lab animals will be provided as needed. This course is recommended before taking either Small Animal Veterinary Science or Large Animal Science.

AGSMAL SMALL ANIMAL VETERINARIAN SCIENCE

Grade Level: 10 -12

Recommended: Animal Health

Credit: 1

Course offered: 2023-24 , 2025-26, and 2027-28 school years

If considering a career in Veterinary Sciences, this course is for you. In Small Animal Veterinarian Science, students learn about the different breeds of dogs, cats, and other furry critters. Occasionally we discuss large animals in this course as they relate to Veterinary Practices. We take an in-depth look at the nutrition, health, and housing requirements for our companion animals. Issues like animal rights vs. animal welfare, cloning, and such will be discussed in an open forum manner. A look into possible careers and science behind animals will also be explored.

AGWILD WILDLIFE MANAGEMENT

Grade Level: 10-12

Recommended: Fish and Wildlife Management and Introduction to Ag.

Credit: 1

If you are an outdoor person and love hunting, fishing, or just being outside then you will love this class. You will recognize opportunities in wildlife management, learn about habitat assessment, forest management, socio-economic impacts of wildlife, differences in game and nongame management, wildlife population dynamics, predator –prey relationships, game and fish laws and regulations, current conservation techniques, firearm safety, and government agencies involved in wildlife management. Projects in this class include squirrel taxidermy and turkey calls. Other advanced taxidermy projects can be considered. Minimum lab fee for this course is \$10.

AGGREE GREENHOUSE MANAGEMENT

Grade Level: 10-12

Recommended: Plants and Landscape

Credit: 1

It's a jungle out there in our 70 degree plant paradise! In this one semester course offered in the spring only, students will learn the basics of growing plants in a greenhouse environment. Students should expect a majority of their time to be spent in the school's greenhouse learning plant techniques, management skills and operation of a computer controlled greenhouse. Over 40 types of annuals and vegetables are raised, which adds up to over 400 flats grown, managed and sold by the students in this class.

Additionally, students will learn the identification of the above crops, pest management and marketing of horticultural crops. Plants and Landscapes is recommended for this course or with teacher's approval. Cost of \$5.00 lab fee.

AGLRG LARGE ANIMAL SCIENCE

Grade Level: 11-12

Recommended: Animal Health

Credit: 1

Course offered: 2022-23, 2024-25 and 2026-27 school years

Planning to be a vet or work with animals on a daily basis? This class is for you! Come with us as we take an actual look into the digestive system of a cow, or the udder of a cow through classroom dissections. We will study the anatomy, digestion, reproduction, health, diseases, and management of Beef, Dairy, Swine, Sheep, and Horses. This hands-on class suits anyone with an appreciation for animals or pursuing a career with animals. This upper level course is designed to build on the topics discussed in Small Animals and Animals Health.

****Transcripted Credit Course:** Students who successfully complete this course with a C or above will receive college credit at Western Technical College. ******

AGBUS AGRIBUSINESS AND LEADERSHIP DEVELOPMENT

Grade Level: 11-12

Recommended: Completed at least 2 Agriculture courses

Credit: 1

Agribusiness provides a foundation for students to demonstrate competence in application of principles and practices of agribusiness and leadership. The course will help students build a knowledge base of the agribusiness industry as they study agribusiness types, business management, financial analysis, communications, agricultural law, leadership and teamwork, ethics, and agricultural economics. Mastery of these standards through project-based learning and leadership development activities will help prepare students for post-secondary study or entry into agribusiness.

AGFOOD AG FOODS PROCESSING

Grade Level: 11-12

Recommended: Completed or concurrently in at least 3 Agriculture courses

Credit: 1

Course offered: 2022-23, 2024-25 and 2026-27 school years

Bratwursts, Ice Cream, Candy, Salsa... Now that we have your attention, join us as we explore your favorite foods and the science that goes into making them. Learn about the unique ways foods are processed, prepared and preserved. Come along in this Jr. – Sr. level course as we take full use of our meat processing equipment by learning cuts of meat and how to make jerky or brats. We also explore the dairy industry and how the raw milk product is turned to cheese and ice cream in fun and tummy satisfying labs. This class will make a variety of edible treats including: jerky, salsa, sausage, brats, cheese, yogurt, ice cream, butter, caramel, rock candy, sauerkraut, and jam. This class will benefit students interested in a career in the food industry, agriculture, and the general sciences. There is a \$25.00 lab fee for this class.

AGCOOP WORK BASED LEARNING**Cooperative (Co-op) Education Program**

GRADE LEVEL: 12

RECOMMENDED: Required CTE courses

REQUIRED OR ELECTIVE: Elective

CREDIT: 2 (year-long)

Co-op is a school-supervised work experience offered to seniors. This program provides the student authentic experiences in the world of work combined with related classroom instruction. The student may be released for a portion of the school day to work at one of the cooperating businesses. A work-based training plan includes competencies that the student works to achieve through the work experience. The cooperating businesses and coordinating teacher will train, supervise and evaluate the student's workplace experience based on job requirements and the training plan. Cooperative educational programs are offered in the following career and technical education (CTE) content areas:

- Agriculture
- Business and Information Technology (Business & Marketing)
- Family and Consumer Science (Child Care Service, Food Service, Family & Community Service)
- Technology Education

**A student may participate in co-op without being released during the school day to work.*

ART DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	T/E
ASCULI	Sculpture I	X	X	X	X	S	
ATWO	2-D Art Foundations	X	X	X	X	S	
APOTT1	Pottery I (recommended for Pottery II)	X	X	X	X	S	
APOTT2	Pottery II (recommended for Pottery III)		X	X	X	S	
APOTT3	Pottery III		X	X	X	S	
ARDRPTI	Drawing & Painting I		X	X	X	S	
ARDRPII	Drawing & Painting II			X	X	S	
APRTGR	Printmaking & Graphic Design			X	X	S	X
ASCUII	Sculpture II		X	X	X	S	
APHOTO	Digital Photography		X	X	X	S	X
AMETJ	Jewelry/Art Metal			X	X	S	X

ARTAP	3-D Design (formerly Studio Art)			X	X	S	X
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S – Semester Course

Y – Year Course

TE – Technology Emphasis Course

ASCULL SCULPTURE I

GRADE LEVEL: 9 -12

RECOMMENDED: None

CREDIT: 1

Sculpture I is an introductory course providing students a foundation in sculpture design. Additive (gluing/assembling) and subtractive (carving) methods will be explored while students learn how to utilize the elements and principles of design. Students plan designs and implement their ideas “in the round” using a variety of sculpture media. Students may be required to purchase additional supplies.

ATWO 2-D ART FOUNDATIONS

GRADE LEVEL: 9 - 12

RECOMMENDED: None

CREDIT: 1

2-D Art Foundations provides the opportunity for students to develop a strong foundation in two-dimensional media. Students will explore what makes a good composition as they organize the elements and principles of design into artwork. Students will design compositions within different formats, and explore a variety of art media.

APOTT1 POTTERY I

GRADE LEVEL: 9 - 12

RECOMMENDED: None

CREDIT: 1

Pottery I provides the student with an introduction to the major methods of hand building: coil, slab, slump mold, subtractive carving, hollow-core extrusion, and wheel thrown pottery. Projects will center on applying the appropriate construction method and decorative technique. Students will learn the different demands of clay as it moves from one stage of dryness to another. Examples of possible projects include: coil built vessels, slab built containers, masks, platters, extruded vessels, bowls, cups, and ugly face mugs. (Out of pocket expenses - \$10)

APOTT2 POTTERY II

GRADE LEVEL: 10 -12

RECOMMENDED: A grade of “C” or better in Pottery I

CREDIT: 1

Pottery II is designed to give students experience throwing on the potter’s wheel. Students will learn how to create a variety of forms. Students will also have the option to experience a production style setting on the wheel via Spartan Mugs. By utilizing and improving their skills in hand building and glazing, students will produce high quality pieces. Students will work on a long-term hand built project when the wheels are in use. Other possible projects and techniques include: pitcher, a covered baking dish, teapot, and numerous other functional items. (Out of pocket expenses - \$10)

APOTT3 POTTERY III

GRADE LEVEL: 10 - 12

RECOMMENDED: 2D & 3D Design, a grade of “C” or better in Pottery II

CREDIT: 1

Pottery III is a course for the students who have already developed proficiency on the potter’s wheel/hand building and are looking to refine their skills. Students will concentrate on applying the elements and principles of design to the thrown form. Advanced skills on the wheel and large scale sculptural methods will be introduced. Previously unattainable shapes, sizes, and designs will now be within reach of the student who practices and masters these advanced skills. Students will help design the path their project work will go and the criteria that they should be judged on. They will then use google sites to create a webpage to display their work. Students will also have the option to experience a production style setting on the wheel via Spartan Mugs. (Out of pocket expenses - \$10)

ARDRPT1 DRAWING & PAINTING I

GRADE LEVEL: 10 - 12

RECOMMENDED: 2D Design

CREDIT: 1

Drawing and Painting I is intended for students who are interested in developing skill in drawing and painting. Technique is developed through practicing mindfulness, observational studies, portraiture, and abstract compositions. A variety of drawing and painting materials will be introduced to develop a wide range of skills.

ADRP II DRAWING & PAINTING II

GRADE LEVEL: 11 - 12

RECOMMENDED: 2D Design, Drawing I

CREDIT: 1

Drawing & Painting II challenges the serious art student to use their drawing and painting skills developed in Drawing & Painting I. Traditional subject matter such as self-portraits and figure drawing will be explored. The emphasis is on creating drawings and paintings that will illustrate a purpose and at the same time allow students to express their creativity and develop a personal style.

APRTGR PRINTMAKING & GRAPHIC DESIGN

GRADE LEVEL: 11 – 12

RECOMMENDED: 2D Design, Drawing I

CREDIT: 1

This course is meant to build a strong foundation of technique, materials, and craft essential for graphic design and printmaking. Students will work through the design thinking and making process while demonstrating skills using traditional printmaking methods as well as exploring a range of new media and technology. Design principles learned in this course provide knowledge necessary for career and technical trades such as CNC operation.

ASCL II SCULPTURE II

GRADE LEVEL: 10 -12

RECOMMENDED: 3-D Design

CREDIT: 1

Sculpture II is a course designed to challenge students to use previously learned skills using three-dimensional media. All elements of good design and quality craftsmanship are emphasized. Additive and subtractive methods of sculpture are explored, along with structural design concerns and decorative techniques. The emphasis is on creating sculptures that illustrate a purpose and at the same time allow students to express their creativity and develop a personal style. Students may be required to purchase additional supplies.

APHOTO DIGITAL PHOTOGRAPHY

GRADE LEVEL: 10-12

RECOMMENDED: None

CREDIT: 1

Students will learn how to take better photographs with their own camera through studying rules of composition, basic camera operations, lighting techniques, and photo editing methods with Photoshop. Required photo shoots will cover a variety of subject matter and include both black & white and color images taken outside of class and in the photography studio. Students will also explore past and present trends and careers in photography. Access to a digital camera is a must. Using google sites students will create a webpage to display their work. The enrollment is limited, with upperclassmen having first priority.

AMETJ JEWELRY / ART METALS

GRADE LEVEL: 11-12

RECOMMENDED: None

CREDIT: 1

So you're all about the Bling-Bling, but you can't find any that truly matches our style or personality. Have you ever wished you could design and create your own Bling? Jewelry/Art Metals is intended for students who are interested in developing the basic skills in jewelry creations. The emphasis is on jewelry design; pierce work, casting methods and finishing techniques. Possible projects include: pendants, cut coin jewelry, broaches, chainmail, earrings and rings. The enrollment is limited, with upperclassmen having first priority. (\$10.00 minimum out of pocket expense)

ARTAP 3D ART

GRADE LEVEL: 12

RECOMMENDED: Permission of the Instructor and Majority of Art Classes offered

CREDIT: 1

This independent study course will provide experiences to create a portfolio that demonstrates mastery in one artistic concern: Two Dimensional Design, Three Dimensional Design or Drawing. This course has specific rigorous requirements that demand authenticity and diversity while challenging higher level thought processes. Students are required to develop an individual education plan based on intensive evaluation of current strengths and weaknesses. The plan must include how they will explore new and apply previously learned techniques, concepts and problem solving strategies to develop inventive, creative, original works at a level of mastery comparable to foundation level college courses.

BUSINESS AND INFORMATION TECHNOLOGY
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Course Key	Course	9	10	11	12	S/Y	T E	CTEERS
BISOFT	Software Applications for Business	X	X	X	X	S	**	11.08 B
BTECH	Digital Marketing		X	X	X	S		11.08 B
BINTRO	Intro to Business	X	X	X	X	S		52.02 B
BACCT1	Accounting I		X	X	X	S		52.03 B
BACCT2	Accounting II			X	X	S	**	52.03 B
BDESK1	Graphic Design I		X	X	X	S		11.08 B
BDESK2	Graphic Design II		X	X	X	S		11.08 B
BYRBK	Yearbook			X	X	Y		11.08 B
BMARK1	Intro to Marketing & Sales	X	X	X	X	S	**	52.14 M
BADVMA	Advanced Marketing & Professionalism		X	X	X	S	**	52.14 M
BSPORT	Sports & Entertainment Marketing			X	X	S	**	52.14 M
BMARKM	Entrepreneurship			X	X	S	**	52.14 M
BMARKR	Retail Marketing & Customer Service		X	X	X	S	**	52.14 M
BWKBS	Work Based Learning			X	X	Y		52.02 B
BCARR	Career Ready		X	X	X	S		

S – Semester Course

Y – Year Course

** - Transcribed Dual Credit with Western Technical College

BISOFT SOFTWARE APPLICATIONS FOR BUSINESS

GRADES: 9 - 12

RECOMMENDED: None

CREDIT: 1

Would you like all the necessary computer skills to complete your assignments successfully during you high school career? Do you plan on attending a 4-year university or technical college after high school? Do you plan on pursuing a work career directly after high school? If you answered yes to any of the above questions, then signing up for Intro to Software Apps is a must! Regardless of your future plans, Microsoft Office software is the most widely used application utilized in universities, technical colleges, and the working world. In this course, you will learn the proper use of this powerful software to properly format all of the future assignments that your teachers will be requiring. You will also get a basic working knowledge of the programs of Microsoft Office that you will need as a student or employee after high school. Intro to Software Applications...crucial for your future success. **Transcribed Credit Course: Students who complete this course with a C or better will earn 3 credits at Western Technical College for Software Applications for Business**

BCARR CAREER READY

GRADE LEVEL: 10-12

RECOMMENDED: none

CREDIT: 1

The focus of this course is on personal and interpersonal skills that employers seek when hiring and retaining their workforce. This course will start with career exploration and concentrate on the following skills and processes to become a valued employee: job applications, resumes, cover letters, thank-you notes, digital applications, interviewing skills, customer service, ethics in the workplace, diversity and sexual harassment. Students will also participate in mock interviews with local business leaders to practice their interviewing skills and receive valuable feedback. This course is for any and everyone who plans on entering the workforce in the future.

BTECH DIGITAL MARKETING

GRADE LEVEL: 10-12

RECOMMENDED: Software Applications for Business

CREDIT: 1

This course provides an introduction to the world of digital marketing. Students will learn the fundamental concepts and strategies of modern digital marketing, including search engine optimization (SEO), social media marketing, email marketing, content marketing, and more. Through hands-on projects and case studies, students will gain practical experience in developing and executing digital marketing campaigns.

BINTRO INTRO TO BUSINESS

GRADE LEVELS: 9-12

RECOMMENDED: NONE

CREDIT: 1

This explorative course is for anyone with a possible interest in owning, managing, or working in the business field. Topics will include an overview of ethics, decision-making, entrepreneurship, management, finance, marketing, accounting, and team building. This course will conclude with students applying these concepts by working in teams to create and operate a small business. If you're thinking about a business career, this class is a must.

BACCT1 ACCOUNTING I

GRADE LEVELS: 10 -12

RECOMMENDED: None

CREDIT: 1

Would you like to investigate one of the most highly paid, in demand professions? The field of accounting offers challenging assignments, an array of travel opportunities, advancement potential, skills building, and the chance to play a vital role in evaluating business deals and growth and investment strategies. A first step in preparation is learning the accounting cycle and recording the financial progress of a business. High School accounting is either required or highly recommended for any student planning to pursue a career in the business field by most secondary education institutions.

BACCT2 ACCOUNTING II

GRADE LEVELS: 11 -12

RECOMMENDED: ACCOUNTING I

CREDIT: 1

An Accountant's life is no longer just a desk job. Accountants not only enjoy a great salary, but can work in exciting industries such as Forensics, Entertainment and the Environment. This advanced course will delve into the accounting cycle for a merchandising business utilizing GAAP principles. **Transcripted Credit Course: Students who successfully complete this course with a C or above will receive 4 college credits at Western Technical College. **

BDESK1 GRAPHIC DESIGN I

GRADE LEVELS: 9 - 12

RECOMMENDED: Intro to Software Applications

CREDIT: 1

The most fun you can have with a computer! Desktop Publishing is a project-based class that introduces you to basic layout and design principles as they relate to graphic design using desktop publishing software, a scanner, digital camera and printer. You will create professional-looking publications including newsletters, flyers, brochures, business cards, CD covers, candy bar wrappers, a digital memory book and magazine spreads. Programs utilized are Adobe Photo Shop and Adobe InDesign.

BDESK2 GRAPHIC DESIGN II

GRADE LEVELS: 10-12

RECOMMENDED: Desktop Publishing I

CREDIT: 1

Enhance your graphic design skills in Desktop Publishing II by learning advanced concepts in InDesign and incorporating Adobe Photoshop and Adobe InDesign applications. In Desktop Publishing II you will experience the on-the-job demands of a graphic designer. This will be accomplished through a business simulation by producing professional publications according to clients' requests from school personnel and community members. You will also get the opportunity to visit local graphic design businesses. Students in Desktop Publishing II will keep a portfolio of their work. Projects include creating marketing tools for the business (posters, flyers), generating client forms, and developing a portfolio of work. Other projects will be dictated by client demands.

BYRBK YEARBOOK

GRADE LEVELS: 11-12

RECOMMENDED: Desktop Publishing I, Photography (strongly suggested), and Instructor Approval (Required)

CREDIT: 2 (Yearlong course)

Do you want to be part of your Sparta High School's history by assisting in the creation of the annual Spartan Yearbook? You will utilize the principles of design, software and digital cameras to create page layouts. You will be expected to make individual contributions, work cooperatively as a team at each stage of the process and attend extra-curricular activities when assigned. You

should be highly self-motivated, organized, have a positive attitude, and the ability to meet deadlines. The final product is the Sparta High School Spartan Yearbook.

BMARKI INTRO TO MARKETING & SALES

GRADE LEVELS: 9-12

RECOMMENDED: None

CREDIT: 1

The most dynamic growth industry in the business environment is marketing. This course will instruct students in the foundations of marketing, the 4P's of marketing (product, price, place, promotion), human relations and communications (people skills), and economic principles as they apply to marketing. Small group oriented instruction and the opportunity for involvement in the associated student organization (DECA) will allow the student to achieve a true "hands on" experience. Transcribed Credit Course: Students who complete this course with a C or better will earn 3 credits at Western Technical College for Principle of Sales.**

BADVMA ADVANCED MARKETING & PROFESSIONALISM

GRADE LEVELS: 10-12

RECOMMENDED: Principles of Marketing

CREDIT: 1

Beyond the basics, this course concentrates on the role of marketing in our society, their relationship in a business environment and how to apply personal skills and abilities to further career goals. Business operation (using the school store), entry-level math skills, decision-making skills, sales, applying the marketing mix, market research, advertising, and career exploration. Projects include guest speakers, promotional campaigns, market research for the school store to help purchase merchandise for the next school year and a career portfolio. Becoming a member of DECA is recommended. Transcribed Credit Course: Students who complete this course with a C or better will earn 3 credits at Western Technical College for Professionalism and Success.**

BSPORT SPORTS AND ENTERTAINMENT MARKETING

GRADE LEVEL: 11 -12

RECOMMENDED: Principles of Marketing

Credit: 1

You know the score of the big game and all of the songs recorded by your favorite musician, but sports and entertainment marketing are more than just the score and songs. Look behind the scenes of these multi-billion dollar industries and find out about the business side of sports and entertainment. This class takes the principles of marketing and applies them to the world of sports and entertainment. Projects include: image promotion, market research, marketing plan, for fictional team or group, promotional package for Sparta athletics, ethics. Fees: possible charge for field trip to various facilities. Seniors will be given first choice. Becoming a member of DECA is recommended.

**Transcribed Credit Course: Students who successfully complete this course with a C or above will receive college credit at Western Technical College for Principles of Marketing. **

BMARKM ENTREPRENEURSHIP

GRADE LEVELS: 11-12

RECOMMENDED: Intro to Business or Principles of Marketing

CREDIT: 1

Whether you want to own your own business or supervise in one of the many exciting business fields, knowledge of management principles is necessary for success. This course will include but not be limited to: business decision-making, ethics, management styles, employment laws, conflict resolution, conducting business meetings and preparing a business plan. Field trips and guest speakers from the business field may also be included in this class. Becoming a member of DECA is recommended.

Transcribed Credit Course: Students who successfully complete this course with a C or above will receive college credit at Western Technical College for Intro to Business.

BMARKR RETAIL MARKETING & CUSTOMER SERVICE

GRADE LEVELS: 10 – 12

RECOMMENDED: Principles of Marketing

CREDIT: 1

The students enrolled will manage, staff, run and make merchandise decisions for the school-based-enterprise – The Spartan Stoppe. This course will give the skills and knowledge to be able to work in the retail field. In conjunction with this course the student may be enrolled as a Marketing Aid to work in the Spartan Stoppe during their study hall. This course also addresses sensitivity in communicating with external and internal customers and understanding behavioral styles. Emphasize teamwork, working relationships and telephone skills. You may take this class twice with teacher approval. Transcribed Credit Course: Students who complete this course with a C or better will earn 3 credits at Western Technical College for Quality Customer Service. ***

BWKBS WORK BASED LEARNING**Cooperative (Co-op) Education Program**

GRADE LEVEL: 12

RECOMMENDED: Required CTE courses

REQUIRED OR ELECTIVE: Elective

CREDIT: 2

Co-op is a school-supervised work experience offered to seniors. This program provides the student authentic experiences in the world of work combined with related classroom instruction. The student may be released for a portion of the school day to work at one of the cooperating businesses. A work-based training plan includes competencies that the student works to achieve through the work experience. The cooperating businesses and coordinating teacher will train, supervise and evaluate the student's workplace experience based on job requirements and the training plan. Cooperative educational programs are offered in the following career and technical education (CTE) content areas:

- Agriculture
- Business and Information Technology (Business & Marketing)
- Family and Consumer Science (Child Care Service, Food Service, Family & Community Service)
- Technology Education

**A student may participate in co-op without being released during the school day to work.*

Youth Apprenticeship

GRADE LEVEL: 11-12

REQUIREMENT: FOUR CLASSES PRIOR/CONCURRENTLY IN RELATED FIELD which includes ENROLLMENT IN THE EMPLOYABILITY SKILLS CLASS

CREDIT: 2

Mentored Hands-On Training. Youth Apprenticeship, a nationally recognized, Wisconsin state school-to-work program has returned to Sparta High School. This program is geared toward the junior or senior high school student who wants to experience hands-on learning at the worksite in conjunction with classroom instruction. This rigorous one or two year elective program combines academic and technical instruction with mentored on-the-job training that assists the student in making real world connections in the workplace. Additional benefits for the student include receiving class credit while working during and/or after school hours and receiving a Certificate of Occupational Proficiency from the Wisconsin Department of Workforce Development. Students may be released a portion of the school day to work at one of the mentoring businesses. Youth Apprenticeship training options are available in the following areas: *Auto Collision or Technician, Biotechnology, Financial Services, Drafting and Design, Graphic Arts/Printing, Health Services, Industrial Equipment, Computer Science, Networking, Insurance, Hospitality, Lodging and Tourism, Logistics (Freight Movement), Production Agriculture (animals and soils/crops, and Welding*

**Subject to relevant employer participation*

***A student may participate in the YA program without being released during the school day to work*

ENGLISH DEPARTMENT

Course Key	Course	9	10	11	12	TE	S/Y
EFRENG	Freshman English	X					Y
EHFRE	Honors Freshman English	X					Y
ESOENG	Sophomore English		X				Y
EHSOP	Honors Sophomore English		X				Y
EJRENG	Junior English			X			Y
EAPLIT	AP English Literature and Composition				X		Y
EACOMS	Applied Communication Skills**				X		S
EADCOM	AP English Language and Composition			X			Y
EWRT	Creative Writing				X		S
EGENCO	Media Communications				X		S
ESPCH	Speech				X		S
EMYTH	Mythology			X	X		S
EWRCOM	English 101*				X		S
ESCTLT	Senior Seminar: Contemporary Literature				X		S

S – Semester Course

Y – Year Course

** -Transcribed with Western Technical College

<u>Sample Paths</u>	9th Grade	10th Grade	11th Grade	12th Grade
<u>Western Technical College</u>	Freshman English	Sophomore English	Junior English	Applied Communication Skills Written Communication
<u>4-Year Universities</u>	Freshman English	Sophomore English	Junior English	2 English Electives
<u>Competitive 4-Year Universities</u>	Honors Freshman English	Honors Sophomore English	AP Language and Composition	AP Literature and Composition

EFRENG FRESHMEN ENGLISH

GRADE LEVEL: 9

RECOMMENDED: None

CREDIT: 2

Students will explore the basics of both literature and composition in this yearlong course. The study of literature focuses on studying various genres such as the novel, short-story, non-fiction, and the literary devices they possess. Along with expanding vocabulary, writing skills spread throughout the year will focus on sentence structure and the writing process. Students will write often including beginning research that blends aspects of literature and writing into a cohesive understanding of literacy.

EHFRE HONORS FRESHMEN ENGLISH

GRADE LEVEL: 9

RECOMMENDED: Teacher recommendation

CREDIT: 2

In this college preparatory course, students will acquire knowledge of literary terms and devices relevant to a deep investigation of various genres of literature. Students will demonstrate their understanding through comprehensive analytical essays and self-reflections. Students will expand on grammar and vocabulary while developing more mature writing skills.

ESOENG SOPHOMORE ENGLISH

GRADE LEVEL: 10

RECOMMENDED: Freshman English

CREDIT: 2

This course blends all aspects of literacy into a yearlong course. Students will explore World Literature through selected poems, drama, short stories, and novels. While reading, students will also gain skills in writing to improve their usage of parts of speech, parts of a sentence, phrases and clauses, types of sentences, punctuation, and vocabulary. Both reading and writing elements will culminate in the composition of multiple essays and will include research papers following the MLA format.

EHSOP HONORS SOPHOMORE ENGLISH

GRADE LEVEL: 10

RECOMMENDED: Teacher recommendation

CREDIT: 2

In this college preparatory course, students will explore connections between various cultures' literature. More than a survey of world literature, this course dives deeply into the values and characteristics of the societies that created the stories. Building upon the writing skills developed previously, sophomore writers will create a wider variety of more complex sentences within their compositions.

EJRENG JUNIOR ENGLISH

GRADE LEVEL: 11

RECOMMENDED: Sophomore English

CREDIT: 2

Junior Literature explores American literature through several movements beginning with Pre-Colonial discovery era stories through present day Postmodernism. Students will discover each movement's unique characteristics that reveal Americans' values and culture. With a focus on higher-order, critical, and creative thinking as well as an aggressive reading pace, this course solidly exposes students to the rigors of college preparatory exams. Composition units are designed to prepare students for the ACT exam. Writing focus will include advanced grammar, punctuation and sentence structures. Writing will include persuasive exercises and expository writing styles. Writing skills will be enhanced through an emphasis on coherent, clearly organized papers in academic genres.

EAPLIT AP ENGLISH LITERATURE AND COMPOSITION

GRADE LEVEL: 12

RECOMMENDED: Successful completion of Junior English or AP English Literature and Composition

CREDIT: 2

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students entering this course must have the initial expectation that they will read, contemplate, and write about literature extensively. We will write an essay every two weeks or so (in analytical, argumentative, and expository forms) and will read every day (novels, drama, short stories, and poems). Students must be willing to challenge and justify their understandings, attempt to see other perspectives and discuss ideas in a mature and lively manner. After completing this course, students are encouraged to take the Advanced Placement English Literature and Composition exam given by the College Board. A summer reading and writing project is required and due on the first day of school.

EACOMS APPLIED COMMUNICATION SKILLS

GRADE LEVEL: 12

CREDIT: 1

This course treats in a practical and applied manner the spectrum of communication skills necessary to function successfully in a career field with writing fundamentals, business correspondence, telephone courtesy, listening skills, and oral communication. Also job-seeking skills: resume, letter of application and interview.

*Advanced Standing Course: Students who successfully complete this course with a B or above will receive credit for Applied Communication at Western Technical College. *

EADCOM AP ENGLISH LANGUAGE AND COMPOSITION

GRADE LEVEL: 11

RECOMMENDED: Teacher recommendation

CREDIT: 2

The AP English Language and Composition course focuses on rhetorical analysis of nonfiction text and the development and revision of well-reasoned, evidence-centered analytical and argumentative writing. This course requires students to become skilled readers of prose written in a variety of rhetorical contexts (the circumstances surrounding any writing situation and includes purpose, audience, and author) and skilled writers who compose for a variety of purposes. Both the reading and writing should make students aware of interactions among a writer's purposes, readers expectations, and an author's propositional content, as well as the genre conventions and the resources of language that contribute to effectiveness in writing.

EWRT CREATIVE WRITING

GRADE LEVEL: 12

CREDIT: 1

This course will allow students to explore the culture of imaginative writing on a daily basis. Included in the students daily writing collection will be poetry, reflections, short stories, and dialogues among other creative challenges. Many of these written pieces will be shared. Conventions, fluency, and organization of various creative writing genres is expected.

EGENCO MEDIA COMMUNICATIONS

GRADE LEVEL: 12

CREDIT: 1

This media survey course will analyze all aspects of mass communication to enhance the student's understanding of how media shapes lives and influences decisions. Areas of study will include media history, including movies, radio, and television; television programming; print media; movies; current-day radio; computer technology; and the internet. Students will watch clips and full-length episodes. Tests, quizzes, discussions, and daily assignments will be utilized to monitor student progress.

ESPCH SPEECH

GRADE LEVEL: 12

CREDIT: 1

The purpose of the course is to learn effective speaking principles. Included in the course curriculum: Listening, Audience Analysis, Outlining, Communication Process, Analysis of Source Material, and Using Technology to Support a Presentation. THIS IS A PERFORMANCE CLASS. STUDENTS WILL BE REQUIRED TO GIVE PRESENTATIONS IN FRONT OF THEIR CLASSMATES.

EMYTH MYTHOLOGY

GRADE LEVEL: 11-12

ELECTIVE CREDIT: 1

This course provides an overview of world mythology and its relationship to ancient and current cultures. The course surveys world mythology by concentrating on heroic literature, the epic in its oral tradition, and its relationship to types of myths such as foundation myths, creation myths, flood myths, apocalyptic and environmental ones. By emphasizing the myth of the folk and the lore of early societies, the course will also draw from similarities among the great myths of world cultures and the history of the development of hierarchies and civilizations as seen in myths as well as epics. To better understand the purposes, types of myths, their development, characters, and the common elements of mythological structures, we will propose a historical comparative approach for the study of various myth theories. A special attention will be given to the predominant characteristics of deities, symbols, archetypes, and sacred places in myth, and to the contemporary theories of mythology. We will also study how myth shapes our contemporary culture. This course is designed to explore a variety of texts involving World Mythology from various cultures.

EWRCOM ENGLISH 101

GRADE LEVEL: 12

CREDIT: 1

Students use the writing process to complete written projects. Students will analyze audience and purpose; generate ideas for writing; employ appropriate rhetorical strategies; research, synthesize, and organize information; use an approved documentation system for research writing; use technology to format documents appropriately, and follow grammar and punctuation rules.

ESCTLT SENIOR SEMINAR: CONTEMPORARY LITERATURE

GRADE LEVEL: 12

CREDIT: 1

Through the study of a variety of impactful, culturally-relevant novels, students will become familiar with famous fictional characters, settings, and plots. Biographical information on authors, literary terms and vocabulary will enhance an understanding of the works. Class discussions will emphasize the universal themes found in major works of literature. The literature in this course spans from the twentieth century to the twenty-first century literature.

FAMILY AND CONSUMER SCIENCE DEPARTMENT

Course Key	Course	9	10	11	12	S/ Y	T E	CTEERS
FOODI	Introduction to Foods (recommended for Creative Foods)	X	X	X	X	S		19.05 F
FFOOD1	Creative Foods (recommended for Adv. Creative Foods)		X	X	X	S	**	19.05 F
FFOOD2	Advanced Creative Foods		X	X	X	S		19.05 F
FHUMRE	Human Relations (recommended for Family & Community Coop)		X	X	X	S		19.07 F
FPARNT	Parents and Children (Recommended for Child Care I)	X	X	X	X	S	**	19.07 F
FCHIL1	Child Care I Child Development (recommended for Child Care II)			X	X	S	**	19.07 F
FFABB	Beginning Fashion & Fabrics	X	X	X	X	S		19.07 F
FFABA	Advanced Fashion & Fabrics (recommended Beg. Fashion & Fabrics)	X	X	X	X	S		19.07 F
FINTD	Interior Design		X	X	X	S		19.07 F
FFAMIL	Work Based Learning			X	X	Y		19.07 F

S – Semester Course

Y – Year Course

** -Transcripted with Western Technical College

CHILD CARE SERVICES SEQUENCE

Courses in the Child Care Service sequence:

- Parents and Children—Intro to Child Development Course
- Child Care I- Child Development -Intermediate Course
- Child Care II- Assistant Child Care Teacher--Advanced Course
- Child Care Coop & Employability Skills --Work Experience & Related Classroom Instruction

Family and Consumer Education students who participate in school –supervised, work-based learning programs in childcare services have opportunities to learn employability skills and occupational skills related to their high school courses. These opportunities reinforce the connection between work and school, provide a chance for meaningful contact with adults and mentors, improve students chances for successful employment as young adults, promote post-secondary education and help solidify career interests. Students who successfully complete childcare II are eligible for the Assistant Childcare Teacher certification and students who complete the requirements for Child Care Coop are eligible for the Child Care Teacher Certificate. These programs are endorsed by the Department of Health and Family Services (DHFS), Wisconsin Department of Public Instruction (DPI), Wisconsin Child Care Administrators Association, Wisconsin Early Childhood Association, and FCCLA-Family, Career and Community Leaders of America

FOOD SERVICE SEQUENCE

Courses in the Food Service sequence:

Introduction to Foods	Introductory Course
Creative Foods	Intermediate Course
Advanced Creative Foods	Advanced Course

Today's food service industry offers career opportunities in anything from professional wait staff and executive chefs to dietitians and managerial positions in restaurant corporations. It is one of the fastest growing industries in the United States with the number of managerial positions expected to increase by 33% over the next 10 years. Other job opportunities available in food service include cooks, bakers, food decorators, food scientists, caterers, institutional food personnel and much more at a wide variety of skill and education levels as well as wage levels.

In the food service sequence, it is required that students begin with Introduction to Foods as a freshman, or sophomore and the sophomore or junior year with Food Service I & II and junior or senior year with Foods III, and lastly senior year Co-op in a food service related occupation and Employability Skills Class.

Students are strongly encouraged to have membership in the FCCLA organization. FCCLA helps students explore planning and goal setting techniques as well as providing great opportunities to put the things learned in Family and Consumer Science Classes to use by becoming involved in competitive events and community service projects.

The sequence of courses has been articulated with Western Technical College. Students successfully completing the sequence will be given college credit through Western Technical College.

FOOD1 INTRODUCTION TO FOODS

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 1

Do you like to eat and prepare food? If yes, this course is for you. This course explores food preparation and nutrition. Emphasis is strongly placed on safety and sanitation in and out of the kitchens, terminology, conversions, recipe reviewing, and food preparation. Students will be able to demonstrate safety and sanitation in the labs while preparing food by following sanitation techniques as they learn how to prepare a dish by following a recipe properly. We begin with safety and sanitation and make our way through all the food groups including learning about the nutritional value of each group, how they help our bodies and how to prepare foods using those food groups. Students have the opportunity to explore FCCLA-Family, Career and Community Leaders of America and gain a better understanding of the organization and how they can be involved. There is a lab fee of \$15.00.

FFOOD1 CREATIVE FOODS

GRADE LEVEL: 10-12

RECOMMENDED: Introduction to Foods

CREDIT: 1

This class is the intermediate food class that introduces students to the food service industry. This course covers basic background information of culinary fundamentals that is needed to function successfully in food service occupations. Students will become familiar with job responsibilities, food production, safety and sanitation procedures, and service of common menu items through simulated experiences in the classroom (Labs). Students will investigate food sciences on a deeper level such as knife fundamentals and cutting, mise en place in the kitchen, the purpose of herbs and spices, common kitchen equipment that is used in professional

kitchens, and how to change the yield of a recipe properly. Students have the opportunity to explore FCCLA-Family, Career and Community Leaders of America and gain a better understanding of the organization and how they can be involved with it.

****Transcripted Credit Course:** Students who successfully complete this course with a C or above will receive college credit at Western Technical College. ****** There is a lab fee of \$15.00.

FFOOD2 ADVANCED CREATIVE FOODS

GRADE LEVEL: 10-12

RECOMMENDED: Creative Foods

CREDIT: 1

This class is a continuation of Creative Foods. The career oriented class looks at what role you can play in the food service industry. This course is designed to expand the knowledge and techniques you would use in the foodservice industry. Students will work at mastering additional food production skills. Areas of study will include: the procedure of sugar cookery, yeast breads and quick breads, pies, pastries, cakes, frosting and sauces, and cookie production. Students have the opportunity to explore FCCLA-Family, Career and Community Leaders of America and gain a better understanding of the organization and how they can be involved with it. There is a lab fee of \$15.00

FHUMRE HUMAN RELATIONS

GRADE LEVEL: 10-12

RECOMMENDED: None

CREDIT: 1

This course is about you! Learn to understand how and why you are who you are, others and your relationships. Learn to develop communication skills, resolve conflicts, cope with life situations and improve your chances for successful friendships, a successful relationship, and family life in our ever-changing society. Explore human development and sexuality, the life-cycle, personality, emotions, the role that family and lifestyle have had in your life and the way in which they influence your future. Gain an understanding about your personal finances. Learn what marriage is about and how to plan for it. Explore independent living skills to prepare you for your future.

FPARNT PARENTS AND CHILDREN

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 1

This course is about life. At some point in your life you may become a parent or care for children in some capacity. Many responsibilities and challenges are a part of caring for children appropriately and effectively. This course is designed to explore ideas and expectations about child development, parenting and families and children in our society. Learn about what to consider before pregnancy, prenatal care, the birth experience, care of infants and children (ages 0-3), and the development and care of young children. Styles of parenting, family interaction, teen parenting, and family issues will also be covered. This course is an excellent choice for you if you plan to pursue a career in childcare, education, human services, medical field or working with children in any capacity. (This class provides an opportunity to experience the infant simulator, which is optional.) This course does work with Western Technical College and is worth 3 credits.

FECHIL1 CHILD CARE I – CHILD DEVELOPMENT

GRADE LEVEL: 11-12

RECOMMENDED: Parents and Children

CREDIT: 1

Child development is the focus with emphasis on basic information about the childcare industry and related careers. Units covered include Principles of Development, Physical, Social, Emotional, and Intellectual Development (ages 3-8). This course is recommended for students who are interested in working with children in any capacity, whether it be parenting, working in the childcare industry or in a professional or technical career involving career children. The roles of the childcare workers, types of programs, good learning environments, health and safety, child abuse, nutrition and learning activities for children are some of the topics covered. Projects include creating learning activities for young children and the mini curriculum projects. This course is recommended for the Child Care II course (Assistant Childcare Teacher). This course does work with Western Technical College and is worth 3 credits.

FEABB BEGINNING FASHION & FABRICS

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 1

Do you like being creative and following fashion? Would you like to learn how to sew and make your own items? If so, then you will enjoy this course. We will explore how to hand sew: buttons, different stitches, felt monsters, and hemming. We will then move into sewing terminology that relates to the sewing machine, patterns, and fabrics. Students will take what they have learned about sewing

and make lanyards, hats, aprons, grocery bag holders, stuffed animals, tote bags, and pajama pants. There is also the opportunity to make items as community service projects, like bibs and burp rags to donate to hospitals, or hats and mittens to those in need. A sewing kit (\$5-\$10) and all project materials will need to be purchased by the student as these items become yours once you complete it and have it graded. Total semester expenditures for this course are approximately \$75-\$100.

FFABA ADVANCED FASHION & FABRICS

GRADE LEVEL: 9-12

RECOMMENDED: Beginning Fashion & Fabrics

CREDIT: 1

This course is a continuation of Beginning Fashion and Fabrics. Students will learn more about the fashion world along with interior design. We will split this course into quarters. One quarter will focus on fashion and some of the sewing projects will include making zippered pouches, purses, and tote bags with zipper pockets. The other quarter will then focus on interior design and design layouts, elements, and a project of designing a room of choice following the interior design guidelines. Total semester expenditures for this course are \$30-75.

FINTD INTERIOR DESIGN

GRADE LEVEL: 10-12

CREDIT: 1

An in-depth study of the foundational principles and elements of design that form the conceptual basis from which to solve and evaluate design problems. We will create room layouts and design them with online resources, graphing papers, and 3D models. We will also use our exploration of color theory and color schemes to create color related projects and reflect how color theory is used in our designs and creations. We will explore textiles and furnishing designs and how to appropriately use them within a given space. Students will be expected to purchase materials for projects, \$5-20, on their own or from the teacher.

FFAMIL WORK BASED LEARNING

Cooperative (Co-op) Education Program

GRADE LEVEL: 12

RECOMMENDED: Required CTE courses

REQUIRED OR ELECTIVE: Elective

CREDIT: 2

Co-op is a school-supervised work experience offered to seniors. This program provides the student authentic experiences in the world of work combined with related classroom instruction. The student may be released for a portion of the school day to work at one of the cooperating businesses. A work-based training plan includes competencies that the student works to achieve through the work experience. The cooperating businesses and coordinating teacher will train, supervise and evaluate the student's workplace experience based on job requirements and the training plan. Cooperative educational programs are offered in the following career and technical education (CTE) content areas:

- Agriculture
- Business and Information Technology (Business & Marketing)
- Family and Consumer Science (Child Care Service, Food Service, Family & Community Service)
- Technology Education

**A student may participate in co-op without being released during the school day to work.*

Youth Apprenticeship

GRADE LEVEL: 11-12

REQUIREMENT: FOUR CLASSES PRIOR/CONCURRENTLY IN RELATED FIELD which includes ENROLLMENT IN THE EMPLOYABILITY SKILLS CLASS

CREDIT: 2

Mentored Hands-On Training. Youth Apprenticeship, a nationally recognized Wisconsin state school-to-work program, has returned to Sparta High School. This program is geared toward the junior or senior high school student who wants to experience hands-on learning at the worksite in conjunction with classroom instruction. This rigorous one or two year elective program combines academic and technical instruction with mentored on-the-job training that assists the student in making real world connections in the workplace. Additional benefits for the student include receiving class credit while working during and/or after school hours and receiving a Certificate of Occupational Proficiency from the Wisconsin Department of Workforce Development. Students may be released a portion of the school day to work at one of the mentoring businesses. Youth Apprenticeship training options are available in the following areas: *Auto Collision or Technician, Biotechnology, Financial Services, Drafting and Design, Graphic Arts/Printing, Health Services, Industrial Equipment, Computer Science, Networking, Insurance, Hospitality, Lodging and Tourism, Logistics (Freight Movement), Production Agriculture (animals and soils/crops, and Welding*

**Subject to relevant employer participation*

****A student may participate in the YA program without being released during the school day to work.****Transcribed Credit Course:
Students who successfully complete this course with a C or above will receive college credit at Western Technical College.

HEALTH DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
HHEAL	Health (Req)	X				S	
HHEAI	Health Issues		X	X	X	S	
HEACA	Health Careers		X	X	X	S	

S – Semester Course

TE – Technology Emphasis Course

HHEAL HEALTH

GRADE LEVEL: 9

RECOMMENDED: None

CREDIT: 1

How can I address the total well-being of my mind and body? Health is a course that helps us to make wise decisions regarding our mind and body positively influences our attitudes and behavior involving critical areas of human development. We will explore body systems, disease prevention, human wellness and consumer health. This class will help you to appreciate your good health and will hopefully steer you toward optimal health. This course is also available online when a student is taking the following courses freshman year: Band, Choir and a World Language.

HHEAI HEALTH ISSUES

GRADE LEVEL: 10-12

RECOMMENDED: Health

CREDIT: 1

People who keep up with current health trends tend to make wiser choices regarding their health and well-being. Medical technology will be one of many important focuses in this class. You will learn to appreciate the many choices you can make regarding your health and your future. Today, medical technology has enhanced our ability to prevent diseases and other health problems. We will not only learn how to increase our life span, but we will learn how to live our lives to the fullest. Students will also have the opportunity to become trained and certified in CPR and First Aid.

HEACA HEALTH CAREERS

GRADE LEVEL: 10-12

RECOMMENDED: 9th Grade Health

CREDIT: 1

Are you interested in assuming a health-related career someday? How would you feel about a career that is high paying, satisfying, in large demand, and offers the ability to locate anywhere? In Health Careers class, we will prepare you for the many areas of need in the health and medical field. You will also be one step ahead of others with CPR/First Aid training and certification. You will have the opportunity to meet health professionals in our classroom and learn what it takes to successfully complete a program to become a health or medical professional. Computer skills, creative problem solving, and current trends in medicine will be the focus of our Health Careers course.

MATHEMATICS DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
MALG1	Algebra 1	X	X	X	X	Y	
MGEOM	Geometry		X	X	X	Y	
MHGEOM	Honors Geometry	X	X			Y	
MALG15	Algebra 1.5			X	X	Y	
MALG2	Algebra 2		X	X	X	Y	
MCALCP	Pre-Calculus			X	X	Y	

MAPCAL	AP Calculus				X	Y	
MASTAT	Statistics			X	X	S	
MAPRO1	Computer Programming I		X	X	X	S	
MAPRO2	Computer Programming II		X	X	X	S	
MALSKI	Life Skills			X	X	Y	
TEAMW	Manufacturing Math			X	X	S	
MINVRE	Intervention Resource		X			Y	

S – Semester Course

Y – Year Course

<u>Sample Paths</u>	9th Grade	10th Grade	11th Grade	12th Grade
<u>Minimum Requirements</u>	Algebra 1	Geometry	Algebra 1.5 or Life Skills	
<u>Western Technical College</u>	Algebra 1	Geometry	Algebra 1.5 or Algebra 2	
<u>4-Year Universities</u>	Algebra 1	Geometry	Algebra 2	Pre-Calculus
<u>Competitive 4-Year Universities</u>	Honors Geometry (teacher recommendation)	Algebra 2	Pre-Calculus	AP Calculus

MALG1 ALGEBRA 1

GRADE LEVEL: 9-10

CREDITS: 2

Algebra is a symbolic extension of arithmetic and allows you to solve more complex problems that would be impossible using ordinary arithmetic. Algebra is a fundamental course in mathematics and is the foundation for all higher-level mathematics and science courses. The focus of algebra is on simplifying algebraic expressions, solving equations and inequalities and working with simple functions such as linear and quadratic functions. Students will gain experience with graphing functions and using graphing as a solution technique for problem solving. Solving problems by translating the written problem into algebraic symbolic language is emphasized. Students will learn a three-prong approach to problem solving by utilizing numerical, algebraic and graphical techniques. Graphing calculator technology may be integrated into the course. A scientific, non-graphing, calculator is REQUIRED for this course. Students need a C or better to be successful in their next math class.

MINVRE INTERVENTION RESOURCE

GRADE LEVEL: 9

RECOMMENDED: Recommended by test scores, teacher referrals

CREDIT: 2 (elective credit)

Intervention Resource is a year-long class that meets opposite days of the Algebra I class. Giving consistent math support everyday for 1 block (2 class periods) to students that need more time to master Algebra 1 topics and skills. The extra time is used to review deficient past math skills, provide more in-class practice, and/or provide math interventions. Students would be placed into this course based on several criteria including 8th grade standardized test scores, teacher recommendation, and performance in math classes.

MGEOM GEOMETRY

GRADE LEVEL: 10-12

CREDITS: 2

Geometry is a course designed for those who plan to attend college and those who plan a career in industrial occupations. Among the benefits derived from a study of geometry are development of independent thinking and problem solving skills and the appreciation of

geometric forms in our environment. Problem solving skills will also be emphasized. Most colleges require Algebra, Geometry and Algebra 2 for admission. A scientific, non-graphing, calculator is REQUIRED for this course.

MHGEOM HONORS GEOMETRY

GRADE LEVEL: 9-10

RECOMMENDED: Grade of B or better in Algebra 1 for both semesters is recommended

CREDITS: 2

Honors geometry is a course designed for students with inquisitive minds and those who enjoy a challenge. The content of this class is similar to geometry. Some topics are covered in more depth and this class covers additional material not in the geometry course. Students in this class will develop their independent thinking and problem solving skills. The rigor and logic of proofs are stressed to stimulate original and logical thought. Students will utilize the computer program Sketchpad to construct and investigate geometric shapes and relationships. Problem solving skills will also be emphasized. Most colleges require a minimum of Algebra 1, Geometry and Algebra 2 for admission. A scientific, non-graphing, calculator is REQUIRED for this course. Incoming freshmen must have earned a B- or better in 8th grade Algebra I in order to take Geometry as a freshman.

MALG15 ALGEBRA 1.5

GRADE LEVEL: 11-12 (Teacher recommendation)

CREDITS: 2

• Note: This course may not satisfy the entrance requirements of four-year colleges or universities who require three (or four) years of mathematics.

Algebra 1.5 is designed to promote success in Algebra 2 as an extension of Algebra 1. The course is designed for students who may have struggled in Algebra 1 (and perhaps Geometry) and who need some additional work on their fundamental algebra skills before moving on to Algebra 2. A scientific, non-graphing, calculator is REQUIRED for this course. Topics covered will review and expand those covered in Algebra 1 and the fundamentals of Geometry. Successful completion of this course will also help students prepare for their college entrance exams and assist students in becoming college and career-ready.

MALG2 ALGEBRA 2

GRADE LEVEL: 10-12

RECOMMENDED: Grade of C or better in Algebra 1 and Geometry for both semesters is recommended

CREDITS: 2

Topics for this course include a review of Algebra 1 topics, solving equations, solving linear systems, matrices, functions (linear, rational, polynomial, logarithmic and exponential), properties and applications of logarithms and exponentials and trigonometry. There is a strong emphasis on problem solving techniques with exposure to many types of non-typical problems. Students should follow this course with either pre-calculus or statistics for a well-rounded experience in mathematics. Most four-year colleges require Algebra 1, Geometry and Algebra 2 for admission. A graphing calculator is recommended for this course. A TI-84 Plus is recommended.

MCALCP PRE-CALCULUS

GRADE LEVEL: 11-12

RECOMMENDED: Algebra 2 (Grade of C or better in Algebra 2 for both semesters is recommended)

CREDITS: 2

Pre-Calculus is designed for those students planning to continue their study of mathematics or the sciences in college. This course is intended to prepare students for calculus. Pre-Calculus is a course that will give the student a familiarization with many topics in mathematics. These topics include sequences, series, limits, polynomial, exponential, and logarithmic functions. The application of these functions to real world situations is stressed. Students will also further their knowledge of trigonometry using a circular function approach. A graphing calculator is recommended for this course. A TI-84 Plus is recommended.

MAPCAL AP CALCULUS

GRADE LEVEL: 12

RECOMMENDED: Pre-Calculus (Grade of C or better in Pre-Calculus for both semesters is recommended)

CREDITS: 2

This course is intended for students who have a thorough knowledge of algebra, geometry, trigonometry, and elementary functions. A.P. Calculus is equivalent to the first semester of college calculus and covers the following topics: elementary functions and their properties (algebraic, rational, trigonometric, exponential and logarithmic), limits, continuity, derivatives, applications of the derivative, integrals, applications of integrals, techniques of integration, definite integrals and elementary differential equations. The ultimate goal of this course is to prepare students for the advanced placement test so they may receive college credit for first semester calculus. Students may have to spend more time studying than they have in previous math classes. A graphing calculator is recommended for this course. A TI-84 Plus is recommended.

MASTAT STATISTICS

GRADE LEVEL: 11-12

RECOMMENDED: Algebra 2

CREDITS: 1

The statistics course is an overview of the techniques used to collect and evaluate data. The students will study and learn evaluative data analysis techniques that involve both algebraic and graphic methods. Included in this course is an introduction to probability and its application to statistical analysis. Simulations of physical phenomenon using the computer and graphic calculator are often utilized. The students will also study the following topics: valid methods of sampling a population, analysis of sample statistics, making predictions about a population from sample statistics and determining a level of confidence in one's conclusions. There will be an emphasis on the use of technology for doing statistical analysis and simulations. This course will give you the necessary background to apply and use statistical procedures in the workplace and will provide a foundation for higher-level statistics courses at the college level.

MAPRO1 COMPUTER PROGRAMMING 1

GRADE LEVEL: 10-12

RECOMMENDED: Algebra 1

CREDITS: 1

Students will learn the basics of computer programming using C++ in this hands-on class. Components of the course will include program development, program structure, and program syntax. Students will follow the steps for creating a program: specification, design, coding and testing/debugging. Program code will include variables, constants, logic statements, loops and mathematical formulas. Successful completion of this course will provide the student with a better understanding of the basics of programming as well as improve their logical reasoning skills.

MAPRO2 COMPUTER PROGRAMMING 2

GRADE LEVEL: 10-12

PREREQUISITE: Computer Programming 1

CREDITS: 1

This course, using C++, is a continuation of Computer Programming 1. The course will begin with a review of Computer Programming 1 concepts. The students will then write programs using sequential access files, random access files, variable arrays and database use. This course will provide the student with a good background in programming and prepare them for a computer programming course at the college level.

MALSKI LIFE SKILLS MATH

GRADE LEVEL: 11-12

RECOMMENDED: None

CREDITS: 2

Do you know the best way to finance a car? Why are they taking so much out of your paycheck? How can you pay less in taxes? What is the difference between term and whole life insurance? This consumer-oriented course will help you learn the answers to these and many other questions that you may have. If you have not thought about these questions yet, you will be dealing with them soon and will be glad that you already know the answers. Through the use of group projects, daily lessons and guest speakers you will learn the essential math and problem-solving skills required to effectively manage your financial future. If you plan on making money in the future, then this class is for you.

TEAMW MANUFACTURING MATH

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

Development of basic and essential math skills needed to solve general problems encountered in manufacturing and industry. These include working with fractions and decimals, calculator operation, metric conversion, perimeter, area, volume, right triangle relationships, proportion and ratio, percents, graphical data, and formulas for applications involving measurement and tolerances.

MISCELLANEOUS

MIASST TEACHER'S ASSISTANT

GRADE LEVEL: 11-12

RECOMMENDED: Approval by department and counselor

CREDIT: .5

The general objective of a teacher's assistant is to give high school students interested in the education field the opportunity to work in the classroom. The students will work with the teachers, teacher assistants and students. This opportunity will provide you with practical experience and train you with the skills necessary in education.

MILIBR LIBRARY ASSISTANT

GRADE LEVEL: 11-12

RECOMMENDED: Approval by LMC Director and counselor

CREDIT: .5

The general objective of a Library Science is to assist the LMC staff with daily tasks such as checking in/out books to students and staff, shelving books, inventory of the bookroom, and completing special projects as assigned. Students must be professional and a self-directed learner. This opportunity will provide you with library experience and customer service skills.

MIOFF OFFICE WORKER

GRADE LEVEL: 11-12

RECOMMENDED: Approval by Counselor

CREDIT: .5

The general objective of an office worker is to assist the Main Office and/or Student Services with daily tasks such as running passes, filing paperwork, completing special projects as assigned, and greeting visitors. Students must be professional and a self-directed learner. This opportunity will provide you with office experience and customer service skills.

MIPRLD PRINCIPLES OF LEADERSHIP

GRADE LEVEL: 9 - 11

RECOMMENDED: NONE

CREDIT: 1

Principles of Leadership focuses on leadership attributes that can be identified, modeled and taught to students of all personality types. The class emphasizes the importance of communication, character, personal growth, and building strong relationships and teams. A variety of initiatives will be used to facilitate the learning of skills and, along with various media, reinforce those skills throughout the semester.

MIPRL2 LEADERSHIP CONNECTIONS

GRADE LEVEL: 10-12

RECOMMENDED: Principles of Leadership

CREDIT: 1

This leadership course provides students with advanced training in group processing, presentation skills, and real-world situations by planning, implementing, and evaluating projects in local elementary and middle schools as well as community organizations. Leadership Connections is designed to empower and give students the opportunity to become successful leaders and contributors in the school and community. A key aspect of this class is the application and modeling of concepts learned from Principles of Leadership, such as communication, group process, managerial skills, and organizational skills. Students will be expected to put in outside of school hours to gain credit for the course. Off campus experiences may be a required component of this course. Students will also have the opportunity to work toward the Wisconsin Department of Public Instruction Youth Leadership Certificate. The certificate allows:

- Students to document their leadership skills and service hours,
- Employers and community organizations to assess the skills necessary for success,
- Educators to customize instruction and experiences help learners to acquire valuable leadership skills.
- Wisconsin DPI Youth Leadership Certification Information: <https://dpi.wi.gov/cte/skills-standards/youth-leadership>

BYAPP YOUTH APPRENTICESHIP

GRADE LEVEL: 11-12

REQUIREMENT: FOUR CLASSES PRIOR/CONCURRENTLY IN RELATED FIELD which includes ENROLLMENT IN THE EMPLOYABILITY SKILLS CLASS

CREDIT: 2 (year-long)

Mentored Hands-On Training. Youth Apprenticeship, a nationally recognized, Wisconsin state school-to-work program has returned to Sparta High School. This program is geared toward the junior or senior high school student who wants to experience hands-on learning at the worksite in conjunction with classroom instruction. This rigorous one or two year elective program combines academic and technical instruction with mentored on-the-job training that assists the student in making real world connections in the workplace. Additional benefits for the student include receiving class credit while working during and/or after school hours and receiving a Certificate of Occupational Proficiency from the Wisconsin Department of Workforce Development.

Students may be released a portion of the school day to work at one of the mentoring businesses. Youth Apprenticeship training options are available in the following areas: *Auto Collision or Technician, Biotechnology, Financial Services, Drafting and Design, Graphic Arts/Printing, Health Services, Industrial Equipment, Computer Science, Networking, Insurance, Hospitality, Lodging and Tourism, Logistics (Freight Movement), Production Agriculture (animals and soils/crops, and Welding*

**Subject to relevant employer participation*

***A student may participate in the YA program without being released during the school day to work.*

MUSIC DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
MUCHOT	Treble Choir (open to all)	X	X	X	X	Y	
MUCHOM	Tenor/Bass Choir (open to all)	X	X	X	X	Y	
MUCHAM	Chamber Choir (audition)		X	X	X	Y	
MUVOC	Vocal Jazz (audition)		X	X	X	Y	
MU170	Foundations of Music			X	X	S	
MUCONB	Concert Band	X	X	X	X	Y	
MUBANS	Symphonic Band (by audition)		X	X	X	Y	
MUBANJ	Jazz Band (by audition)	X	X	X	X	Y	

S – Semester Course

Y – Year Course

Music Department Activities:

Show Choir
Variety Show
Musical
Colorguard
Winterguard

Pep Band
Marching Band
Solo/Ensemble Festival
Music Department Trips

Large Group Festival
Fall, Spring, and Holiday Concerts
Vocal Jazz/Jazz Band Festivals
Concert Event Trips

MUCHOM TENOR/ BASS CHOIR

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 2

Tenor/Bass Choir is a year long major performing organization and is offered to select students in grades 9-12. Tenor/Bass Choir is designed for singers with lower-register voices. This course will focus on the lower register voices to develop proper vocal technique and music reading skills. Members have the opportunity to build on their talents by being a part of District and State Solo & Ensemble festivals, concepts in ear training, music theory, and the development of the voice in the choral style are stressed with independent music skills being the goal. This ensemble is required to perform at several large group concerts throughout the year, including the SHS Winter Concert, WSMA Large Group Festival, and Spring Concert. These performances, scheduled in the evening, are required, and are a major part of the student's quarter grade. They are also required to prepare a piece from the Solo/Ensemble list and perform for class. They have the option to participate in District Solo/Ensemble. Tenor/Bass Choir and all of the related musical activities are provided so that students may enjoy a well-rounded educational experience. Students are welcome to belong to more than one choir.

MUCHOT TREBLE CHOIR

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 2

Treble Choir is a year long major performing organization and is offered to treble voice students in grades 9-12. Treble Choir is designed for singers with upper-register voices who can demonstrate proper vocal technique and music reading skills. Members have the opportunity to build on their talents by being a part of Show Choir, Vocal Jazz, Chamber Choir, and District and State Solo &

Ensemble Festivals. Concepts in ear training, music theory, and vocal pedagogy are stressed with independent music skills being the goal. This ensemble is required to perform at several large group concerts throughout the year, including the Winter Holiday Concert, Large Group Festival, and Spring Concert. These performances, scheduled in the evening, are required, and are a major part of the student's quarter grade. Treble Choir and all of the related musical activities are provided so that students may enjoy a well-rounded educational experience. Students are welcome to belong to more than one choir.

MUCHAM CHAMBER CHOIR

GRADE LEVEL: 9-12

RECOMMENDED: Past member of Mixed Chorus, Treble Choir, or consent of instructor; audition is required

CREDIT: 2

Chamber choir is a year-long major performing organization and is offered to select students in grades 9-12 by audition only. Chamber Choir is a very select ensemble of accomplished singers. Members have the opportunity to build on their talents by being a part of District and State Solo & Ensemble Festivals and possible honor choir opportunities. Concepts of ear training, music theory, and vocal pedagogy are stressed with independent music skills being the goal. This ensemble is required to perform at several large group concerts throughout the year, including the Winter Holiday Concert, Large Group Festival, and Spring Concert. These performances, scheduled in the evening, are required, and are a major part of the student's quarter grade. Chamber Choir and all of the related musical activities are provided so that students may enjoy a well-rounded educational experience. Students are welcome to belong to more than one choir.

MUVOC VOCAL JAZZ

GRADE LEVEL: 10-12

RECOMMENDED: Audition is required

CREDIT: 2

This yearlong course is limited to 10-14 specially auditioned singers who have an interest in performing difficult literature for small ensembles. Students should be very comfortable with their solo singing voice and possess above average music reading and listening skills. Students will study the basic elements of vocal jazz during the first quarter in preparation for the Fall Concert; second quarter will be devoted to the study of challenging jazz festival literature, and holiday tunes and carols for community performances; during third and fourth quarter, both ensembles will participate in several vocal jazz festivals and community performances. This ensemble is required to perform at solo/ensemble festivals, Holiday Concert, Fall Folk Fest, Spring Concert, Veteran's Day and several community functions. Students will also perform the "National Anthem" at several home-sporting events. This ensemble attends required jazz festivals out of district, and fees may be charged. Students are welcome to belong to more than one choir.

MU170 FOUNDATIONS OF MUSIC

GRADE LEVEL: 11-12

RECOMMENDED: Consent of instructor

CREDIT: 1

This semester course is recommended for students who are either planning a career in music, or have the desire to develop their technical musical knowledge. The course will consist of independent study of music theory concepts including notation, chord structure, harmonic analysis, and scales and intervals. With the consent of the instructor, course programming may include accompanying, music transcription or jazz study. This course may be repeated. Students planning on college music major or minor are encouraged to take 2 semesters of music theory. Students must be self-sufficient and highly motivated for this independent study course.

MUCONB CONCERT BAND

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 2

Concert Band is a yearlong major performing organization and is offered to all students. The Concert Band spends the first nine weeks of the year marching with Symphonic Band. This includes several in-town and out of town parades, as well as all home football games. After the marching season, Concert Band devotes the remainder of the year to the development of instrumental skills through individual lessons, sectional rehearsals, solo-ensemble festivals, honors groups, as well as concert performances. This course is designed to prepare the student for advancement into the Symphonic Band. Fees are charged for school owned instruments, reeds, oils, other music supplies, equipment, band polo shirts and marching shoes.

MUBANS SYMPHONIC BAND

GRADE LEVEL: 9-12

RECOMMENDED: Audition required

CREDIT: 2

Symphonic Band is a yearlong major performing organization and is available by audition. Symphonic Band spends the first nine weeks marching with Concert Band. This includes several in-town and out of town parades, as well as all home football games. After

the marching season, Symphonic Band devotes the remainder of the year to the development of instrumental skills through individual lessons, sectional rehearsals, solo-ensemble festival, honors groups, as well as concert performances. Fees are charged for school owned instruments, reeds, oils, other music supplies, equipment, band polo shirts and marching shoes.

MUBANJ JAZZ BAND

GRADE LEVEL: 9-12

RECOMMENDED: Audition is required

CREDIT: 2

The Jazz Band is a yearlong major performing ensemble consisting of 15-25 members. The course objectives are to experience, learn, understand, and develop, to the highest level, the many styles of jazz music. The Jazz Band performs during the school year at school, as well as in the community and surrounding areas. The Jazz Band participates in solo/ensemble festivals and attends college jazz festivals. Fees may be charged. Auditions are required to ensure balanced instrumentation. Purchase of a SHS Jazz Band performance shirt may be required.

PHYSICAL EDUCATION DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
PE 1	Physical Education I (required for all 9 th graders)	X				S	
PELIFE	Lifetime Sports		X	X	X	S	
PETTEAM	Team Sports		X	X	X	S	
PEINDV	Individual Sports		X	X	X	S	
PESTR	Strength/Speed Training		X	X	X	S	
PEFIT	Personal Fitness		X	X	X	S	
PEUNPE	Unified PE		X	X	X	S	

S – Semester Course

Y – Year Course

*Sparta High School is committed to fighting the obesity epidemic that is plaguing the youth today. All Physical Education classes at Sparta High School are very active and fitness-based and will include heart rate monitors for assessment purposes, weekly fitness testing, as well as fitness days.

PE 1 PHYSICAL EDUCATION I

GRADE LEVEL: 9

CREDIT: 1

PE 1 is the required freshman only class. Throughout the semester, students will focus on fitness, goal setting and units such as adventure education (climbing wall), flag football, inline skating, weight lifting and biking. Students will gain a sound understanding of fitness principles, nutrition and wellness concepts in order to prepare them for a lifetime of participation in physical activity. Students in the class will be very active. (\$17 out of pocket expense – heart rate strap/skating).

PELIFE LIFETIME SPORTS

GRADE LEVEL: 10-12

CREDIT: 1

Lifetime sports is designed to help students explore activities that will keep them active throughout their lifetime. This class will include a variety of lifetime sports which include the climbing wall, biking, snowshoeing, archery, in-line skating, bowling, dance and lawn games. Many of the units will utilize the outdoors throughout the fall, winter and spring seasons so students should dress accordingly. (\$17 out of pocket expense – heart rate strap/skating)

PETTEAM TEAM SPORTS

GRADE LEVEL: 10-12

CREDIT: 1

Team sports will focus on team-based units including Ultimate Frisbee, flag football, speedball, softball, soccer, volleyball, team handball, basketball, and floor hockey. Students will learn basic skills and strategies, as well as advanced game play. Teamwork and sportsmanship are a large focus throughout each unit. (\$5 out of pocket expense- heart rate strap)

PEINDV INDIVIDUAL SPORTS

GRADE LEVEL: 10-12

CREDIT: 1

Individual Sports will focus on individual-based units including golf, biking, badminton, pickleball, archery, bowling, in-line skating, field games, yoga and Pilates. Students will learn basic skills and strategies, as well as advanced game play. (\$17 out of pocket expense – heart rate strap/skating)

PESTR STRENGTH/SPEED TRAINING

GRADE LEVEL: 10-12

CREDIT: 1

Students will be involved in fitness, strength and speed building programs to enhance their physical and mental well-being. This course will examine muscle development, flexibility, speed/agility and various fitness concepts. The class will meet student goals and needs through basic weightlifting concepts and etiquette. It will also include speed development training. (\$15-20 minimum out of pocket expense – heart rate strap/field trip to Fort McCoy)

PEFIT PERSONAL FITNESS

GRADE LEVEL: 10-12

CREDIT: 1

Personal Fitness is designed to teach and challenge students how to exercise properly and get into shape! Students will learn basic nutrition and fitness principles that will help them achieve and maintain good health and wellness throughout their lifetime. This class is extremely active and students enrolled in this will take part in vigorous physical activities such as biking, inline skating, running, interval training, circuit training, snowshoeing, and so much more. If you are looking to get into great shape and find workouts to take with you outside of school-this is the class for you! (\$15-20 minimum out of pocket expense – heart rate strap/field trip to Fort McCoy/skating)

PEUNPE UNIFIED PE

GRADE LEVEL: 10-12

CREDIT: 1

This elective course combines students with and without intellectual disabilities to participate in sports, recreation, wellness and leadership activities together. Students will support one-another while increasing physical fitness and improving daily health habits. Members of this class will be in leadership roles throughout the semester so it is important that students understand the importance of taking on that role. Individuals who sign up for this class need to be adaptable, optimistic, empathetic, understanding, calm and driven to help others succeed as well as yourself. Students will need counselor approval.

SCIENCE DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
SCBIO1	Biology	X				Y	X
SCHBIO	Honors Biology	X				Y	X
SCCHEM	Chemistry		X			Y	X
SCHCHE	Honors Chemistry		X			Y	X
SCAPHY	Applied Physical Science			X		Y	X
SCPHY	Physics			X		Y	X
SCAPPH	AP Physics I			X		Y	X
SCANAT	Human Anatomy and Physiology			X	X	Y	X
SCAPBI	AP Biology			X	X	Y	X
SCAPCH	AP Chemistry			X	X	Y	X
SCBIOC	Biochemistry			X	X	Y	X
SCCRIM	Criminalistics			X	X	S	X
SCCHM1	Meteorology			X	X	S	X

S – Semester Course

Y – Year Course

TE – Technology Emphasis Course

<u>Sample Paths</u>	9th Grade	10th Grade	11th Grade	12th Grade
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<u>Minimum Requirements</u>	Biology	Chemistry	Physics	
<u>Western Technical College (Health Science Path)</u>	Biology	Chemistry	Physics	Biochemistry and Anatomy & Physiology
<u>4-Year Universities</u>	Biology	Chemistry	Physics	Science Elective
<u>Competitive 4-Year Universities</u>	Honors Biology	Honors Chemistry	AP Physics	AP Chemistry AP Biology

SCBIO1 BIOLOGY

GRADE LEVEL: 9

CREDIT: 2

This course is intended for incoming freshmen and investigates the composition, diversity, complexity, evolution, and interconnectedness of life on earth. Students will begin by examining life at the molecular, cellular, and major physiological levels. After learning the essential characteristics, functions, and processes of life, students will recognize how lifeforms have changed with time and what environmental factors on earth influenced the changes. Lastly, interactions between living things will be identified and applied to current issues in science and society. Integrated into the curriculum will be lessons on basic laboratory practice, science reasoning, communication, and potential careers in the sciences. The unit plan for this course includes scientific method, chemistry, energetics, cell structure and cycle, genetics/DNA, evolution, and ecology.

SCHBIO HONORS BIOLOGY

GRADE LEVEL: 9

CREDIT: 2

Honors Biology will be taught as a Pre-AP Biology course which will emphasize the integration of content with science practices. This ability is one of the hallmarks of scientific literacy, and it cultivates a more sustainable pathway to numerous college and career opportunities in science as well as numerous natural and social sciences. This course focuses deeply on the foundational biology knowledge and skills that matter most in preparing students for subsequent coursework in science. This course concentrates on the core areas of ecological systems, evolution, cellular systems, and genetics. Rather than understanding content topics in isolation, students will make meaningful connections between the structures, processes, and interactions that exist across biological systems-from cells to ecological communities. This course meets most college entrance requirements for three natural science courses (Biology, Chemistry, Physics).

AP BIOLOGY

GRADE LEVEL: 11 - 12

CREDIT: 2

AP Biology is a course that is based on the three overarching topics of Molecules and Cells, Heredity and Evolution, and Organisms and Populations. The recurring thread throughout the text is evolution as the foundation of modern biological models and thought. The course is taught to constantly review the themes and the related biological concepts to real world examples and explanations to the students and society. AP Biology is designed to actively engage students in the process of science through class assignments and discussions which inform their laboratory experiences. This course is equivalent of an introductory college-level biology course, and it is designed to prepare students for the second year Biology course.

SCCEM CHEMISTRY

GRADE LEVEL: 10

RECOMMENDED: None

CREDIT: 2

This course describes the nature of matter in terms of molecular behavior. Major topics are atomic structure, periodic table, chemical bonding and reactions, chemical calculations including stoichiometry, and phases of matter. The goal of Chemistry is to instill in the student a curiosity about matter and its interactions in our everyday life. The class will use an organized, evidence-based approach to solving problems as well as understanding the importance of chemistry and its applications to real-world situations. Evaluation is based on assessments, labs, projects, and homework. This course meets most college entrance requirements for three natural science courses (Biology, Chemistry, and Physics).

SCHCHE HONORS CHEMISTRY

GRADE LEVEL: 10

CREDIT: 2

Honors Chemistry is similar to the topics of Chemistry at a more challenging pace and depth.

SCAPHY APPLIED PHYSICAL SCIENCE

GRADE LEVEL: 11

RECOMMENDED: Completion of Biology and Chemistry

CREDIT: 2

Applied Physical Science investigates the basic laws of the physical universe. Students will cultivate their understanding of physics through inquiry-based investigations and modeling as they explore these topics: kinematics, dynamics, energy, momentum, simple harmonic motion, mechanical sound and waves, and electricity. An emphasis will be placed on project-based learning experiences.

SCPHY PHYSICS

GRADE LEVEL: 11

RECOMMENDED: Completion of Biology and Chemistry

CREDIT: 2

Physics investigates the basic laws of the physical universe. Students will cultivate their understanding of physics through inquiry-based investigations and modeling as they explore these topics: kinematics, dynamics, energy, momentum, simple harmonic motion, mechanical sound and waves, and electricity. This course meets most college entrance requirements for three natural science courses (Biology, Chemistry, and Physics).

SCAPPH AP PHYSICS 1

GRADE LEVEL: 11

RECOMMENDED: Chemistry & Geometry

CREDIT: 2

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion. This course requires that twenty-five percent of instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to demonstrate the foundational physics principles and apply the scientific practices.

SCANAT HUMAN ANATOMY & PHYSIOLOGY

GRADE LEVEL: 11-12

RECOMMENDED: Successful completion of Biology /Chemistry /Physics

CREDIT: 2

A basic understanding of the human body is essential for all students. In today's world, medical and technological advances are growing at an incredible rate; and students need to understand how this technology will impact themselves and their daily lives. Many students are going into medical and health fields, and this background information on the human body will aid them in their endeavor. Students need to be informed citizens, voting on issues that will affect them and the next generation. It is difficult to make informed decisions about medical and health issues if one does not understand the basic functioning of the body. All students would benefit from this course. Dissection will be used to make anatomical comparisons to the human body.

SCAPCH AP CHEMISTRY

GRADE LEVEL: 11-12

RECOMMENDED: Successful completion of sophomore Chemistry/Honors Chemistry and Algebra II.

CREDIT: 2

AP Chemistry provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. This course engages students in lab investigations during 25% of the instructional time. AP Chemistry is open to all that have completed a year of chemistry, who wish to take part in a rigorous and academically challenging course.

SCBIOC BIOCHEMISTRY

GRADE LEVEL: 11-12

RECOMMENDED: Successful completion of Biology /Chemistry

CREDIT: 2

Biochemistry is designed for students interested in exploring a career in the STEM or health sciences at the university or technical college level. The class gives an overview of the chemistry involved in life's processes. Emphasis is placed on recognizing the structure, physical properties, and chemical reactions of organic molecules in the human body (enzymes, proteins, lipids,

carbohydrates, and nucleic acids). The course will include both lecture and lab settings, but a large emphasis on labs and will include both chemistry and biology concepts.

SCCRIM CRIMINALISTICS

GRADE LEVEL: 11-12

RECOMMENDED: Completion of Biology and Chemistry.

CREDIT: 1

This course is an advanced science course based on criminal investigation and forensic science. Students will conduct lab investigations, research topics in forensic science and will work together in small groups. Topics include crime scene analysis, chemical and physical properties, DNA, fingerprints, hairs and fibers, document forgeries, and impressions. Projects are designed to enhance problem-solving skills. This course is for people interested in police and criminal science.

SCCHM1 METEOROLOGY

GRADE LEVEL: 11-12

RECOMMENDED: None

CREDIT: 1

This elective course examines the science of Earth's atmosphere, exploring the forces and processes that create weather and shape global climate patterns. Students will study atmospheric composition, weather systems, severe weather phenomena, and long-term climate change. Students will learn how to interpret weather maps, understand climate trends, and evaluate human impacts on the atmosphere by analyzing real-world data and utilizing forecasting tools. Through hands-on experiments, projects, and discussions, this course provides a comprehensive foundation for understanding the dynamic systems that influence our environment. Designed for students interested in science, geography, or environmental studies, it encourages critical thinking and real-world application of meteorological and climatological principles.

SOCIAL STUDIES DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
SOWGEO	Human Geography	X				S	
SOCIV	World Civilization		X			S	
SOAPWH	AP World History: Modern		X			S	
SOUS	US History			X		S	
SOA201	Advanced U.S. History 201			X		S	
SOA202	Advanced U.S. History 202				X	S	
SOPFINA	Personal Finance			X		S	
SOECON	Economics			X		S	
SOGOVT	American Government				X	S	
SOCURR	Current Events			X	X	S	
SOPSYC	Psychology			X	X	S	
SOAPPS	AP Psychology				X	Y	
SOSOCP	Social Problems			X	X	S	X
SOWW	World War II			X	X	S	

S – Semester Course

Y – Year Course

TE – Technology Emphasis Course

<u>Sample Paths</u>	9th Grade	10th Grade	11th Grade	12th Grade
<u>Minimum Requirements</u>	Human Geography	World Civilization	US History Personal Finance	Government Social Studies Elective

<u>Western Technical College</u>	Human Geography	World Civilization	US History Personal Finance	Government Social Studies Elective
<u>4 year Universities</u>	Human Geography	World Civilization	US History Personal Finance	Government Social Studies Elective
<u>Competitive 4 year Universities</u>	Human Geography	AP World History	Advanced U.S. History 201 Personal Finance	Advanced U.S. History 202 Government Social Studies Elective

SOWGEO HUMAN GEOGRAPHY

GRADE LEVEL: 9

RECOMMENDED: None

CREDITS: 1

This course provides hands-on activities where students learn how geography impacts society and how the interrelationships of different nations affect our world. Throughout the course, students will have the opportunity to develop a foundation for interpretation of geographical influences that affect the world today and tomorrow. These influences may include historical, cultural, environmental, political, and/or economical. The course develops basic skills used in all levels of the Social Studies Curriculum.

SOCIV WORLD CIVILIZATION

GRADE LEVEL: 10

RECOMMENDED: None

CREDITS: 2

Global concepts are covered in this course with emphasis on how historical events have impacted the modern world. Themes covered in the class include: Early Civilizations such as Egypt, Greece, and Rome, Religions, Middle Ages, Renaissance, Exploration, Absolutism, Enlightenment and Revolution, Industrial Revolution, Imperialism, the World Wars, and Post WWII to the present. Differentiated instruction and varied assessments will be the guide to student learning in this course. This course also covers a variety of other school disciplines including geography, political science, economics, and Language Arts.

SOAPWH AP WORLD HISTORY-MODERN

GRADE LEVEL: 10

RECOMMENDED: Strong Reading and Writing Skills: Teacher Recommendation

CREDITS: 2

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of World History from 1200 C.E. to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. A summer assignment is also a part of the course to prepare students for the upcoming year. The class includes an AP exam with the opportunity to earn college credit when the test is passed. **As a college level course, the reading, writing, and classroom participation demands are very high.**

SOUS US HISTORY

GRADE LEVEL: 11

RECOMMENDED: None

CREDITS: 2

This year-long course covers the history of the United States from colonization to modern history. The course consists of the following units: Unit I- Birth of a Nation. We explore the founding of our country to gain our independence from Great Britain. The unit concludes with the ratification of the Constitution. Unit II- Beginnings of a Country. This unit begins by looking at the challenges and accomplishments of our first four presidents followed by the Jacksonian Era. We finish the unit with the concept of manifest destiny. Unit III- Civil War. This unit studies the causes, the fighting, and the aftermath of the Civil War. Unit IV- Becoming a World Power. We examine the effects of the industrial revolution, the ending of the Native Americans' way of life, opening the West to settlement and ending up with American imperialism. Unit V- The Roaring Twenties to World War II. This unit examines the cultural changes in the United States, the causes and effects of the Great Depression and World War II from an American perspective.

Unit VI- Modern History. The course concludes with a study of the main events from the 1950's until the present.

SOA201 ADVANCED UNITED STATES HISTORY 201 (Pre-settlement through the Civil War)

GRADE LEVEL: 11

RECOMMENDED: Must have a 3.0 GPA & instructor recommendation.

CREDITS: 2 (Optional Dual Credit with UW-Oshkosh)

Advanced US History 101 is a college course offered in conjunction with UW Oshkosh, offering students an opportunity to earn 3 college credits in high school. As a college course, students should expect a challenging but rewarding work load. Special emphasis is placed on college-level study, research and writing skills, as well as historiography and usage of primary source materials.

SOA202 ADVANCED UNITED STATES HISTORY 202 (Reconstruction through the Present)

GRADE LEVEL: 12

RECOMMENDED: Must have 3.0 GPA & instructor recommendation

CREDITS: 2 (Optional Dual Credit with UW-Oshkosh)

Advanced US History 102 is a college course offered in conjunction with UW Oshkosh, offering students an opportunity to earn college credits in high school. As a college course, students should expect a challenging but rewarding work load. Special emphasis is placed on college-level study, research and writing skills, as well as historiography and usage of primary source materials.

Special Note: Students who take **both** US 101 and US 102 will have met the district Government requirement for graduation and do not need to register for Government class.

SOPFINA PERSONAL FINANCE

GRADE LEVELS: 11

RECOMMENDED: None

CREDIT: 1

Whether you plan on pursuing higher education or entering the workforce after high school, personal finance is for you. This course covers concepts needed in everyday life beyond high school. Topics covered will include consumer credit, investments, rent, housing and auto purchases, career planning, budgeting, insurance, identity theft and financial planning. The skills and concepts in this class will help students get a head start on a successful and prosperous future. Projects will include realistic research activities helpful for future personal financial decisions.

SOECON ECONOMICS

GRADE LEVEL: 11

RECOMMENDED: None

CREDIT: 1

Economics is the study of how individuals and societies make choices about how to use scarce resources to fulfill unlimited needs and wants. This course examines both micro, macroeconomic themes, and personal finance. Topics include supply and demand, economic systems, labor and management issues, fiscal policy and government spending, monetary policy and the banking system, and measuring the economy.

SOGOVT AMERICAN GOVERNMENT

GRADE LEVEL: 12

RECOMMENDED: None

CREDITS: 1

This introductory course in political science deals with the federal government system, stressing the relationship of the national government to state and local governments. Subject matter includes the Constitutional basis, the structure of the three branches, political processes, policy making, civil rights and liberties, and some of the problems facing the nation in our contemporary world. Emphasis will be placed on obtaining basic competency of fundamental concepts and their application to daily life. Four hours of community service is required during the course of the semester. Group work and assessment is an integral part of the course.

SOCURR CURRENT EVENTS

GRADE LEVEL: 11 - 12

RECOMMENDED: None

CREDITS: 1

Students will study newspapers and periodicals to examine political, economic and social events at local, state, national and international levels. Emphasis will be on analyzing different issues demonstrating both sides. A research project, including research, writing and presenting will be required. Articles, handouts, videos, television, and radio are essential contributors to information for the course. Group work and role-playing are also included in course work.

SOPSYC PSYCHOLOGY

GRADE LEVEL: 11-12

RECOMMENDED: None, preference will be given to seniors

CREDITS: 1

A challenging and fascinating study of human behavior. Discover what psychologists have learned about why people do what they do. At the same time, you will be making discoveries about your own life and behavior through self-evaluation. Topics include human development, personality, learning and thinking, mental health, and abnormal behavior psychology. Self-direction is emphasized and encouraged. Articles, handouts, videos, group work, and role-playing are included in course work. This course is also available online.

SOAPPS AP PSYCHOLOGY

GRADE LEVEL: 12

RECOMMENDED: AP World History & AP US History

CREDITS: 2

"The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas." Summer work will be required for this course.

SOSOCP SOCIAL PROBLEMS

GRADE LEVEL: 11-12

RECOMMENDED: None

CREDITS: 1

Social Problems consists of a series of issues based units, using sociological principles and a diverse variety of sources as a launching point for exploration of the causes and potential solutions to contemporary issues, and a variety of perspectives on them. Topics include crime and punishment, issues related to marriage and families, drug and alcohol abuse, and alternative cultural perspectives. Strong emphasis is placed upon reflective discussion, writing and exploration of personal beliefs. A research project, including research, writing and presenting will be required.

SOWW WORLD WAR II

GRADE LEVEL: 11-12

RECOMMENDED: None, preference will be given to seniors

CREDITS: 1

World War II is an elective course that will explore WWII from its roots in the resolution of WWI through the Nuremberg Trials. This is the course for WWII buffs! Units will include the origins of fascism, the rise of Hitler, early war in Asia, military strategies & weaponry, Japanese expansion in the Pacific, the blitz & fall of Europe, D-Day and the re-invasion of Europe, genocide and the Holocaust, atomic bombs, and the war crimes trials. Course will be project-driven with an emphasis on student exploration of topics.

SPECIAL EDUCATION DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
	ELECTIVES						
SPCARD	Card Shop		X	X	X	S/Y	
SPCARE	Career Exploration Skills	X	X	X	X	S	
SPCOOK	Cooking Skills	X	X	X	X	S	
SPISK	Independent Skills	X	X	X	X	S/Y	
SPLIF	Life Skills	X	X	X	X	Y	
SPRE	Resource	X	X	X	X	S/Y	
SPSUC1	Success Center (1 st semester)	X	X	X	X	S	
SPSUC2	Success Center (2 nd semester)	X	X	X	X	S	
SPWK	Work Skills	X	X	X	X	Y	
SPWORK	Work	X	X	X	X	S/Y	
SPSFAV	Self Advocacy	X	X			S	

SPTR3H	Transition	X	X	X	X	S	
	ENGLISH						
SPRDG	Reading Skills	X	X	X	X	Y	
SPREA1	Reading 1/2	X	X	X	X	Y	
SPIENG	Independent English	X	X	X	X	S	
	HEALTH						
SPIHEA	Independent Health	X	X	X	X	S	
	MATH						
SPMATH	Math Skills	X	X	X	X	Y	
SPMAT1	Functional Math 1	X	X	X	X	Y	
SPIMAT	Independent Math	X	X	X	X	Y	
	PHYSICAL EDUCATION						
PEADPH	Adaptive Physical Education	X	X	X	X	Y	
PEUNPE	Unified Physical Education	X	X	X	X	Y	
SPIPE	Independent Physical Education	X	X	X	X	S	
	SCIENCE						
SPSCI	Science Skills	X	X	X	X	Y	
SPHEA	Health-Science	X	X	X	X	Y	
SPISCI	Independent Science	X	X	X	X	Y	
	SOCIAL STUDIES						
SPSOC1	Social Studies Skills	X	X	X	X	S	
SPCUR	Current Events Skills	X	X	X	X	S	
SPISOC	Independent Social Studies	X	X	X	X	S/Y	
SPIGOV	Independent Government				X	S	

S – Semester Course

Y – Year Course

TE – Technology Emphasis Course

SPECIAL EDUCATION ELECTIVES

SPCARD SPARTAN CARD SHOP

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

Card Shop is a work simulation classroom where students learn and practice daily expectations as an employee of The Spartan Card Shop. Students learn the importance of workplace procedures and working cooperatively and communicating effectively with supervisors and co-workers. Students get the opportunity to learn and practice characteristics of a good employee and differentiate between ethical and unethical workplace behavior. Students use problem solving skills to resolve problems at work and learn basic math and marketing skills required to run a business. Students learn the importance of keeping the workplace organized and practice these skills on a daily basis.

SPCARE CAREER EXPLORATION

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

This course is designed to introduce social skills needed to be successful in the world of work. A majority of the course is role playing. Daily there will be practice sessions of social skills, with a testing out period to follow. Students are required to get up in front of the class to practice the skills! Students will also fill out mock applications, participate in mock interviews, write a cover letter and resume.

SPCOOK COOKING SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

Cooking is a class that is designed for students with low adaptive skills to learn their way around the kitchen by learning how to use kitchen appliances, different types of cooking, and cooking safety. Throughout the semester, students will be learning about appliances and utensils in the kitchen, cooking words, reading a recipe, understanding words in a recipe, safety, sanitation, having a healthy body, learning about cooking foods from around the world, learning about specific words related to the grocery store and restaurants and learning about different types of foods. Students will be expected to cook at home throughout the semester to transfer skills learned at school.

SPISK INDEPENDENT SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

This class is offered to students with very low adaptive skills, where the majority of curriculum covers independent skills that will be needed in life after high school. Topics that may be included in this class are appropriate leisure skills, safety in all walks of life, nutrition, household chores, emergency situations, cooking, manners, shopping and much more.

SPLIF LIFE SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

The skills worked on in this class will prepare students for independent living after high school. The emphasis of this class is to help students become as independent as possible. The areas of cooking, cleaning, laundry, shopping, hygiene, health topics, social skills, safety skills and important information that should be memorized will all be taught in this class. There will be community activities, in class activities and many discussions.

SPRE GUIDED RESOURCE

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

The students focus on academic tasks as well as improving behaviors such as learning coping strategies, social skills, study skills, time management and organization. Self-paced curriculum is available for students who are credit deficient or unable to be successful in the regular education environment.

SPSUC1 SUCCESS CENTER (1ST SEMESTER)

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Success Center is a structured study hall to help students become more organized and take responsibility for their academic success with the help from instructors. This class takes the place of a study hall and provides students an opportunity to study in a structured atmosphere while having one-to-one help with the students' schoolwork.

SPSUC2 SUCCESS CENTER (2ND SEMESTER)

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Success Center is a structured study hall to help students become more organized and take responsibility for their academic success with the help from instructors. This class takes the place of a study hall and provides students an opportunity to study in a structured atmosphere while having one-to-one help with the students' schoolwork.

SPSFAY SELF ADVOCACY

GRADE LEVEL: 9-10

RECOMMENDED: Per IEP

ELECTIVE CREDIT: 1

This class is designed for freshmen and sophomores as a prerequisite for the Transition class that is offered to all special education students. Some students need extra support in self-advocacy, it is a foundational life skill that supports personal empowerment,

resilience, and success in diverse aspects of daily living both in the school and community environment. Targeted students are those that have Self Advocacy goals and needs in their IEPs.

SPTR3H TRANSITION

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Transition is offered to sophomores, juniors and seniors. Students can take this class for 3 years if needed. It can be taken in combination with Transition English as a block class (2 class periods daily for the entire year) or it can be taken for one class period for one semester. It is up to the case manager. Transition is designed for students who are entering the world of work after high school graduation. The class focuses on teaching students to become good citizens in the community. The following units are taught: interviewing skills, problem solving skills, job/career search, transportation options, apartment hunting, cooking, money-management and the challenges of living independently and setting up a household.

SPWK WORK SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

The Mathews Work class is designed to teach students important work skills needed for future employment. This class is made possible by Mathews Inc. This work simulation class is made as real as possible to an actual sheltered workshop placement. Students are required to use a time clock, count their productivity with a hand counter and keep track of the job they are working on along with their productivity number. Students earn money working in the Mathews room.

SPWORK WORK

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

These courses are designed to give students hands-on work experience outside of the school building. Mentorship classes are a semester long, two hours per day in which the student receives credit towards graduation. Work experience varies as to the individual needs of the student. With work experience, the students receive pay from his/her employer, along with earning credits towards graduation. Transportation is provided during the day from the Transition Van. These classes must be approved by the case manager and parents prior to signing up.

SPECIAL EDUCATION ENGLISH

SPRDG READING SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Since everyone learns differently, reading instruction will be done on an individual basis. The Edmark reading program is the main reading program being used, along with other spelling and language based programs. Reading comprehension will be worked on during group reading time. There will be an independent reading time and the students will go to the library once a week.

SPREA1 READING 1/2

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 4**2 hour block 2 credits each semester

This class is offered to students in grade 9 - 12 (recommendation from teachers or Lexile score) and can take for two years. This class addresses the gaps, delays, and deficits in skills and knowledge from previous grades and uses age appropriate and motivating materials to accelerate instruction. Each student will take a computer based inventory that will give him/her a Lexile score. This score will be used to choose appropriate computer material and independent reading books.

SPIENG INDEPENDENT ENGLISH

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Curriculum designed to meet grade level graduation requirements in English. The students IEP team will determine placement into this course.

SPECIAL EDUCATION HEALTH

SPIHEA INDEPENDENT HEALTH

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Curriculum designed to meet grade level graduation requirements in Health. The students IEP team will determine placement into this course.

SPECIAL EDUCATION MATH

SPMATH MATH SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Since everyone learns differently, math instruction will be done on an individual basis. All students will work on time, money and basic math operations. This class will teach math skills through cooking, worksheets, manipulatives, technology and many hands-on activities.

SPMAT1 FUNCTIONAL MATH 1

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Students who are working significantly below grade level should be scheduled into Math 1. This class will be designed around the functional skills of the students enrolled. We will utilize a variety of resources including an online intervention program for students struggling with math. This program uses systematic instruction that begins with simple concepts and moves to more complex skills. Ongoing assessment and progress monitoring provide data to inform instruction and show students' progress. The program breaks complex math tasks into manageable pieces. Students learn using a structured and sequential approach, as they acquire skills one by one. These skills will help them tackle the increasingly challenging content they will encounter in school and on assessments.

SPIMAT INDEPENDENT MATH

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Curriculum designed to meet grade level graduation requirements in Math. The students IEP team will determine placement into this course.

SPECIAL EDUCATION PHYSICAL EDUCATION

PEUNPE Unified PE

GRADE LEVEL: 9-12

CREDIT: 2

This program combines students with and without intellectual disabilities to participate in sports, recreation, wellness and leadership activities together. Students will support one-another while increasing physical fitness and improving daily health habits.

SPIPE INDEPENDENT PHYSICAL EDUCATION

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Curriculum designed to meet grade level graduation requirements in Physical Education. The students IEP team will determine placement into this course.

SPECIAL EDUCATION SCIENCE

SPSCI SCIENCE SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

The students will be introduced or review basic science concepts according to objectives in the Extended Grade Band Standards. Students will learn about the human body, the planets, plants, animals, etc.

SPHEA HEALTH-SCIENCE

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

The Science curriculum rotates every year. One year, the curriculum will be covered in the areas of Physical Science and Earth and Space Science. The following school year the curriculum will be covered from Life Science and Health. Students will complete hands-on labs or projects after every unit in the course. At the end of the course students will complete a comprehensive final.

SPISCI INDEPENDENT SCIENCE

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Curriculum designed to meet grade level graduation requirements in Science. The students IEP team will determine placement into this course.

SPECIAL EDUCATION SOCIAL STUDIES

SPSOC1 SOCIAL STUDIES SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Social Studies is a class that is designed for students to introduce or review the history of the United States. Units that will be covered are: Our City/State, The Capital of the United States, Famous Inventors, Famous Presidents, Maps and Globes, Native Americans, and Early Life of the United States. Students will learn through worksheets, mini-books, and participating in class.

SPCUR CURRENT EVENTS SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Current Events is a class that will look at a variety of events all around us. We will be learning about the world around us through the news on TV, newspapers, the internet and News 2 You. We will incorporate a morning meeting into this time, to continue to work on important skills such as leadership, talking in front of a class, following lists and calendar information while learning current daily events.

SPTR3H TRANSITION HISTORY

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Transition is offered to sophomores, juniors and seniors. Students can take this class for 3 years if needed. It can be taken in combination with Transition English as a block class (2 class periods daily for the entire year) or it can be taken for one class period for one semester. It is up to the case manager. Transition is designed for students who are entering the world of work after high school graduation. The class focuses on teaching students to become good citizens in the community. The following units are taught: interviewing skills, problem solving skills, job/career search, transportation options, apartment hunting, cooking, money-management and the challenges of living independently and setting up a household.

SPISOC INDEPENDENT SOCIAL STUDIES

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

Curriculum designed to meet grade level graduation requirements in Social Studies. The students IEP team will determine placement into this course.

SPIGOV INDEPENDENT GOVERNMENT

GRADE LEVEL: 12
 RECOMMENDED: Per IEP
 CREDITS: 1

Curriculum designed to meet grade level graduation requirements in American Government. The students IEP team will determine placement into this course.

THEATER EDUCATION

Course Key	Course	9	10	11	12	S/Y	TE
MUACT1	Acting 1	X	X	X	X	S	
MUACT2	Acting 2	X	X	X	X	S	
MUIMPR	Improvisation	X	X	X	X	S	
MUMT1	Musical Theater 1	X	X	X	X	S	
MUMT2	Musical Theater 2	X	X	X	X	S	
MUTPD1	Theater Production and Design 1	X	X	X	X	S	
MTPD2	Theater Production and Design 2	X	X	X	X	S	

S – Semester Course
 Y – Year Course

MUACT1 ACTING 1

GRADE LEVEL: 9-12
 CREDITS: 1

This performance oriented, interdisciplinary course gives students the opportunity to develop basic skills in various areas of performance. In this class, students will begin their journey as a theater artist/actor. Course content will focus on developing the student as an actor through ensemble work, partner and solo work, and other curricular aspects of foundational theater skills.

MUACT2 ACTING 2

GRADE LEVEL: 9-12
 RECOMMENDED: Acting 1
 CREDIT: 1

This performance oriented, interdisciplinary course gives students the opportunity to expand their knowledge and skills as a performer. In this class, students will continue their journey as a theater artist/actor. Course content will focus on refining the student's skills as an actor through ensemble work, partner and solo work, and other curricular aspects of theater skills.

MUIMPR IMPROVISATION

GRADE LEVEL: 9-12
 CREDIT: 1

This performance oriented, interdisciplinary course offers the novice a complete introduction to improvisation. In this class, students will learn how to give an unscripted response to an idea or situation. Students will innovate, create, and hone their skills at improvising scenes based on an audience suggestion. Students in Improvisation will participate in group activities and exercises that develop public speaking, problem-solving, and collaboration skills.

MUMT1 MUSICAL THEATER 1

GRADE LEVEL: 9-12
 CREDIT: 1

This performance oriented, interdisciplinary course provides an introduction to the musical theater stage. In this class, students will begin their journey as a musical theater artist/performer. Course content will focus on the development of foundational skills in singing, acting, and dancing.

MUMT2 MUSICAL THEATER 2

GRADE LEVEL: 9-12
 RECOMMENDED: Musical Theater 1
 ELECTIVE CREDIT: 1

This performance oriented, interdisciplinary course builds on Musical Theater 1 by expanding into more group work, scene work, choreography, and song performance (duets, trios, or quartets) through the skills of singing, acting, and dancing.

MUTPD 1 THEATER PRODUCTION AND DESIGN 1

GRADE LEVEL 9-12

CREDIT: 1

Theatre Production & Design 1 provides a detailed look at the technical aspects of producing a show. In this class, students will begin their journey as a theater artist/technician. This course offers students a balance of academic work along with the important hands-on operation of technical theater equipment. This course provides a complete introduction to the field of technical theater.

MTPD2 THEATER PRODUCTION AND DESIGN 2

GRADE LEVEL: 9-12

RECOMMENDED: Theater Production and Design 1

CREDIT: 1

Theatre Production & Design 2 provides a deeper look at the technical aspects of producing a show. In this class, students will continue their journey as a theater artist/technician. This course offers students a balance of academic work along with the important hands-on operation of technical theater equipment. This course provides students a chance to learn more about the field of technical theater.

TECHNOLOGY DEPARTMENT

Course Key	Course	9	10	11	12	S/ Y	TE	CTEERS
TEINTR	Intro to Tech Ed (Recommended for All Tech Ed Courses)	X	X	X	X	S		48.07 T
TEPOWE	Power and Energy	X	X	X	X	S		47.99 T
TESMAL	Small Engine Repair		X	X	X	S		47.99 T
TEINAT	Introduction to Automotive Technology			X	X	S		47.99 T
TESIMP	Simple Fixes			X	X	S		47.99 T
TEBHAC	Basic Home and Auto Care			X	X	S		
TEMAC1	Machining I	X	X	X	X	S		
TEMAC2	Machining II	X	X	X	X	S		
TEENG1	Engineering Design I		X	X	X	S		14.01 T
TEENG2	Engineering Design II		X	X	X	S		14.01 T
TEWOOD	Woodworking I	X	X	X	X	S		48.07 T
TEWOO2	Woodworking II		X	X	X	Y		48.07 T
TEWOO3	Woodworking III - Instructor's permission required**			X	X	Y		48.07 T
TEWEL1	Welding I	X	X	X	X	S		
TECARP1	Building Construction I		X	X	X	S		48.07 T
TECARP2	Building Construction II			X	X	S		
TEWEL2	Welding II		X	X	X	S		
TEWORK	Work Based Learning			X	X	Y		48.07 T
TEAUTO	Basic Maintenance			X	X	S		
	WTC Welding Program				X	Y		
	Advanced Machining, CNC, and Engineering Program			X	X	Y		

S – Semester Course

Y – Year Course

* - Advanced Standing course with Western Technical College

** - Transcribed Course with Western Technical College

TEINTR INTRODUCTION TO TECH ED

GRADE LEVEL: 9

RECOMMENDED: None

CREDIT: 1

This is an introductory class for students wanting to explore several areas of Technology Education and strongly recommended as the first Tech Ed course for 9th graders. Students will rotate through several instructors each exploring a specific field or industry in a project based manner throughout the semester. The major units covered within these fields will be: shop and power equipment safety; hand drafting and print reading; problem solving and the design process; manufacturing; technical career awareness. Some of the projects students will design, create, manufacture are wooden model bridges, a steel screwdriver, mousetrap powered vehicles, metal fabricated phone stand, etc. (Safety Glasses Required)

TEAUTO BASIC MAINTENANCE

GRADE LEVEL: 11-12

RECOMMENDED: Small Engine Repair and Intro to Automotives

CREDIT: 1 (TRANSCRIPTION CREDIT [3] PENDING)

This course is for those looking to enter the automotive industry as an entry level technician. The course covers the diagnosis, maintenance and repair of the heating and cooling systems, steering and suspension, engine lubrication, tires and wheel balancing, transmission servicing, vehicle safety, service and shop management and parts distribution. Automotive shop safety practices are also stressed. Personal safety glasses are required.

*Students are responsible for seeking and/or providing vehicles requiring the work needed to be completed for this course

TEPOWE POWER AND ENERGY

GRADE LEVEL: 9-12

RECOMMENDED: Intro to Technology

CREDIT: 1

This course is designed for anyone with an interest in electrical power and energy. The student will learn about direct current (DC) theory and how it impacts the world of electronics. He/she will understand electronic component circuitry and develop his/her own electronic circuits. The student will also work with electric motors and electrical wiring and receive some introductory experiences in robotics through Boe-Bots and potentially participate in the FIRST Robotics Competition. Class time will be divided between classroom discussions and hands-on shop activities. Personal safety glasses are required.

TESMAL SMALL ENGINE REPAIR

GRADE LEVEL: 10-12

RECOMMENDED: Intro to Technology

CREDIT: 1

This course will give the student the opportunity to service and repair low horsepower engines as they relate to the small engine industry. Topics covered include: 4 cycle theory and engine operation, engine construction and repair, fuel systems, lubrication systems, cooling systems and more. The student will learn to correctly handle and manipulate all tools and test equipment in the shop. Anticipated project costs run from \$10 to \$25 depending on the complexity of the project. Personal safety glasses are required.

*Students are encouraged to bring in their own equipment to work on during the second quarter of the course.

TEINAT INTRODUCTION TO AUTOMOTIVE TECHNOLOGY

GRADE LEVEL: 11-12

RECOMMENDED: Small Engines

CREDIT: 1

This is the first of two courses for those students interested in working in the automotive industry. This course includes three areas: 1. Automotive shop and environmental safety practices are introduced and safety sheets are signed. 2. Parts room procedures to introduce the functions of the parts sector in relation to the automotive technology field including parts systems, parts research and online parts catalogs. 3. Automotive related instruction which includes tires, general maintenance, gas metal arc, welding and oxy fuel cutting and heating.

*Students are responsible for seeking and/or providing vehicles requiring the work needed to be completed for this course

TESIMP SIMPLE FIXES

GRADE LEVEL: 11-12

RECOMMENDED: NO TECH ED EXPERIENCE IS REQUIRED

CREDIT: 1

Sooner than you think you will own a car and a home. Wouldn't it be nice to know how to purchase and maintain these large investments? *Simple Fixes* is your opportunity to learn how to do just that. You will learn how to fix a flat tire, to change the oil, and many other facets of auto care through the AutoUpKeep program and in shop hands on activities. You will also learn basic home maintenance skills like fixing your toilet, a leaky faucet, replacing a faulty electrical outlet, wall patching, tiling, to name a few. We will enable all students to be self-sufficient when facing these costly maintenance and repair situations. Personal safety glasses are required.

NOTE: This course is only for juniors and seniors that have **not** taken a Technology Education course.

TEBHAC BASIC HOME AND AUTO CARE

GRADE LEVEL: 11-12

RECOMMENDED: FOR STUDENTS WITH PREVIOUS TECH ED EXPERIENCE

CREDIT: 1

This course is designed for students that have some basic technical skills from previous Tech Ed class experience. Guided lessons and lab activities help students build upon their basic skills and understanding of the financial, operating and maintenance aspects of both vehicle and home ownership. Students grow and gain essential skills through technical, hands-on experiences in the Technology Education labs.

TEMAC1 MACHINING I

GRADE LEVEL: 9-12

RECOMMENDED: Intro to Tech Ed

CREDIT: 1

This class introduces students to basic metal machining practices, and the use of hand and power tools, measurement, and layout practices. Applied technical and math skills will be used in the construction of take-home projects which include a mild steel tapered concealed container, aluminum dice, and captive nut project. Emphasis is placed on both the soft and technical skills a potential employer would consider important in maintaining and keeping a job. We will be covering Blueprint Reading, Material Identification, Measuring Tools, Metal Lathe Operations and Milling Operations. Students will be expected to participate in every class period, since the course is designed to be very hands-on. Personal safety glasses are required.

TEMAC2 MACHINING II

GRADE LEVEL: 10-12

RECOMMENDED: Machining I

CREDIT: 1

Machining II students enjoy an active, safe basic machining environment, reinforcing proper use of hand and power tools, measurement, and layout practices. Applied math and employability skills are emphasized while students learn blueprint reading, measuring tools, metal lathe operation and vertical knee mill machining. These skills are used to manufacture and take home a brass and nylon/ABS faced hammer, six-piece burr puzzle, clamps, small vise, tap holder, or independent project of their own capability level. Additional opportunities with an introduction to the CNC Lathe and CNC milling machines may be offered pending the skill, respectful behavior and proficiency of the students. Hands-on courses connect learning to real world work ethic expectations and are thus reflected in project evaluations, attitude, effort and grades. Personal safety glasses are required.

TEENG1 ENGINEERING DESIGN I

GRADE LEVEL: 10-12

RECOMMENDED: Intro to Technology Education

CREDIT: 1

The Engineering Design I and II courses are applied STEAM courses (Science, Technology, Engineering, Arts, Agriculture, Mathematics). Students have the opportunity to become familiar with terminology, materials and design considerations used in the mechanical design and manufacturing fields. Manual sketching and drafting techniques as well as Fusion 360 CAD/CAM software is utilized in the design facet of these semester long courses. Students develop skills in dimensioning, working with layers, paper space, 3-D solid modeling and editing techniques. You will apply these skills in producing working CAD/CAM plans/drawings for projects to prototype, create or manufacture with 3D printers.

TEENG2 ENGINEERING DESIGN II

GRADE LEVEL: 10-12

RECOMMENDED: Engineering Design I

CREDIT: 1

Engineering Design II picks up where Engineering Design I left off. Student individuals and teams will follow the Engineering Design Process to identify a problem, brainstorm possible solutions and then continue the CAD/CAM plans/drawing, design and development process for projects to prototype, create or manufacture with 3D printers. This process will take you and your team through the semester with the ultimate goal of a final, working prototype.

TEWOOD WOODWORKING I

GRADE LEVEL: 9-12

RECOMMENDED: Intro to Tech Ed

CREDIT: 1

This course involves safety, design, reading working drawings, estimating, planning and the value of wood as a building material. The species, properties, and nature of wood will also be studied. Machine safety and operation is the main emphasis of this class. The student will safely use a router, circular saw, jointer, planer, band saw, shaper and a large variety of small hand and power tools. A

student project will be constructed with proper methods relating to quality cabinet making and furniture manufacturing. Wood finishing will also be a part of the course. Anticipated project costs will depend on the nature of the student's project. Safety glasses are required. (\$5.00 minimum out of pocket expense)

TEWOO2 WOODWORKING II

GRADE LEVEL: 10-12

RECOMMENDED: Woodworking I

CREDIT: 2

This is an advanced course in woodworking. The course will provide knowledge of tools, machines, materials and production procedures in woodworking. Units of occupational information and wood finishing are included. The student will create and design their individual project. They develop a project plan sheet and a bill of materials. Anticipated project costs will depend on the nature of the student's project. PERSONAL SAFETY GLASSES ARE REQUIRED. (\$5.00 minimum out of pocket expense)

TEWOO3 WOODWORKING III - TRANSCRIPTED

GRADE LEVEL: 11 - 12

RECOMMENDED: Woodworking II & Instructor's approval

CREDIT: 2

This is an advanced course in woodworking. The course will provide knowledge of tools, machines, materials and production procedures in woodworking beyond woodworking II. This will be a student driven course. The student will create and design their individual project. They develop a project plan sheet and a bill of materials. Anticipated project costs will depend on the nature of the student's project. Personal safety glasses are required. (\$5.00 minimum out of pocket expense)

TECARP BUILDING CONSTRUCTION I

GRADE LEVEL: 10 -12

RECOMMENDED: Woodworking I

CREDIT: 1

This class introduces students to fundamentals of the building construction industry and practices, construction planning, safe and proper use of hand and power tools, measurement, layout, methods and techniques. Math, critical thinking and technical skills will be used in the construction of larger projects. This course emphasizes and values character traits, and work ethic a potential employer would consider important in maintaining and keeping a job. We will be covering Site Preparation, Leveling and Surveying Instrumentation, Measuring/Layout Tools, Building Systems, and the various trades like HVAC, Electrical, Plumbing will also accompany the Carpentry emphasis. Constructing a scale model or "mock wall" is one of the hands-on projects completed. Students are empowered to enroll in Building Construction I for one credit and then enroll for Building Construction II with the expectation of being a lead or foreman in the same course for an additional second credit.

TECAR2 BUILDING CONSTRUCTION II

GRADE LEVEL: 11 -12

RECOMMENDED: Woodworking I

CREDIT: 1

Building Construction II students will both reinforce what was introduced in Building Construction I as well as build upon additional experiences with outdoor lab exercises in leveling and building layout instrumentation, as well as basic foundation material methods. Students build on previous experience with basic power and hand tools, building plans and building components, electrical wiring labs, basic plumbing and HVAC simulations. Building Construction II students are highly encouraged to lead and act as a lead or crew foreman, especially with the culminating/capstone project of building a semi-custom, portable storage building for a Sparta community member.

TEWEL1 WELDING I

GRADE LEVEL: 9-12

RECOMMENDED: Intro to Tech

CREDIT: 1

This course is designed to introduce students to the areas of welding and cutting. The students will be exposed to; safety practices, basic cutting operations, welding practices, and introduced to different fabrication machines. The class will consist of reading blueprints, using the grinder, horizontal band saw, welding machine and other equipment necessary to produce a cut or weld. Oxyacetylene welding, shielded metal arc welding (SMAW), and Oxyacetylene cutting will be the areas of concentration in this class. Personal safety glasses are required. (\$10.00 minimum out of pocket expense)

TEWEL2 WELDING II

GRADE LEVEL: 10-12

RECOMMENDED: Welding I

CREDIT: 1

This course is designed similar to Welding I, but more advanced operations will be introduced. You will be introduced to blueprint reading, plasma cutter, vertical band saw, ESAB welder, and 110 Lincoln welders. Welding will develop skills in electrode choices, oxyacetylene set-up, and metal preparation for different joints and positions. MIG welding will also be demonstrated and students will work on tolerances in completion of a project. Students will show how to set up and take down during welding and cutting procedures. Personal safety glasses are required. (\$10.00 minimum out of pocket expenses)

TEWORK WORK BASED LEARNING

Cooperative (Co-op) Education Program

GRADE LEVEL: 12

RECOMMENDED: Required CTE courses

REQUIRED OR ELECTIVE: Elective

CREDIT: 2

Co-op is a school-supervised work experience offered to seniors. This program provides the student authentic experiences in the world of work combined with related classroom instruction. The student may be released for a portion of the school day to work at one of the cooperating businesses. A work-based training plan includes competencies that the student works to achieve through the work experience. The cooperating businesses and coordinating teacher will train, supervise and evaluate the student's workplace experience based on job requirements and the training plan. Cooperative educational programs are offered in the following career and technical education (CTE) content areas:

- Agriculture
- Business and Information Technology (Business & Marketing)
- Family and Consumer Science (Child Care Service, Food Service, Family & Community Service)
- Technology Education

**A student may participate in co-op without being released during the school day to work.*

Youth Apprenticeship

GRADE LEVEL: 11-12

REQUIREMENT: FOUR CLASSES PRIOR/CONCURRENTLY IN RELATED FIELD which includes ENROLLMENT IN THE EMPLOYABILITY SKILLS CLASS

CREDIT: 2

Mentored Hands-On Training. Youth Apprenticeship, a nationally recognized, Wisconsin state school-to-work program has returned to Sparta High School. This program is geared toward the junior or senior high school student who wants to experience hands-on learning at the worksite in conjunction with classroom instruction. This rigorous one or two year elective program combines academic and technical instruction with mentored on-the-job training that assists the student in making real world connections in the workplace. Additional benefits for the student include receiving class credit while working during and/or after school hours and receiving a Certificate of Occupational Proficiency from the Wisconsin Department of Workforce Development. Students may be released a portion of the school day to work at one of the mentoring businesses. Youth Apprenticeship training options are available in the following areas: *Auto Collision or Technician, Biotechnology, Financial Services, Drafting and Design, Graphic Arts/Printing, Health Services, Industrial Equipment, Computer Science, Networking, Insurance, Hospitality, Lodging and Tourism, Logistics (Freight Movement), Production Agriculture (animals and soils/crops, and Welding*

**Subject to relevant employer participation*

***A student may participate in the YA program without being released during the school day to work*

ADVANCED MACHINING, CNC and ENGINEERING PROGRAM

****Students enroll with student services and complete an application process which includes the Machining Program instructor approval**

**** This is a two-period year around class**

PROGRAM EXPLANATION- PLEASE READ CAREFULLY

Any student that enjoys the challenge of high-level craftsmanship, engineering, design, problem solving to create and produce some really cool pre-programmed or custom-made projects should consider this program. If you like high tech, fancy equipment like Digital ReadOut Guided Engine/Metal; Lathes and Vertical Milling Machines, CMM- Coordinate Measuring Machine, Optical Comparators, both FDM and SLA 3D printers with their own slicing software, using CAD/CAM software to design, prototype and make projects on both a Haas CNC Lathe and Haas 3 Axis CNC Milling Machine, this is course is for you. If you are considering a career in most engineering fields or many of the graphic arts or skilled trades you need to check out this Sparta High School course and facility. It is a double block, year around **course that is made up of FOUR smaller courses listed below.** (TEMFMA Manufacturing Math 1 course is suggested but not required for higher level math students.)

Course Key	Course	9	10	11	12	S/Y	TE	CTEERS
TEMINT	Fundamentals of Machining			X	X			
TEBPR	Blueprint Reading			X	X			
TEMI	Measurement & Inspection			X	X			
TEPLO	CNC Lathe and Mill Production Operator			X	X			
TEMFMA	Manufacturing Math (optional)			X	X			
TECNC	Work Based Learning CNC			X	X			

TEMINT FUNDAMENTALS OF MACHINING

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

This course presents a practical overview of machine shop practices and equipment. Safety practices also receive a strong emphasis in this beginning course. It includes an introduction to measuring devices, lathes, milling machines, shapers, grinders and the drill press in the manufacturing environment. Students will manufacture/machine several personal projects that may include machinist hammers, vee-blocks, center punches, nylon and brass hammers, burr puzzle cubes, C-clamps, tap holders, machinist vise, etc. For the entirety of the program, and in all four courses, students will learn to cultivate interpersonal and communication skills needed of Machining employees. Students will investigate the profession and develop a time management plan, utilize the online learning environments (i.e. Schoology). Ongoing personal student machining projects bring awareness for research and troubleshooting abilities to develop machining proficiencies in an applied and hands on manner. This course will provide instruction that will prepare the student for subsequent Advanced Machining, CNC, Engineering Technologies Program courses.

TEBPR BLUEPRINT READING- MACHINING

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

Introduction to reading and interpreting prints and engineering drawings. Interpretation of views, projection, lines, sections, working and assembly drawings relative to manufacturing processes and order of operations.

TEMI MEASUREMENT & INSPECTION

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

Provides instruction in the care and use of measurement tools and inspection equipment necessary to maintain quality standard in the manufacturing environment. Semi-precision through high-precision measurement tools, gages, inspection sheets and processes, indirect and comparative inspection methods will be covered. Learners will apply knowledge, analyze part quality, and troubleshoot manufacturing equipment and processes to determine cause and effect.

TECNCP CNC LATHE and MILL PRODUCTION OPERATOR

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

Operation of CNC (Computer Numerical Control) machining centers includes calling up programs, loading and unloading parts, inspection, and the recognition of tool wear. Procedural processes, inspection of parts, and the use of inspection sheets and guides will be covered.

TEMFMA MANUFACTURING MATH

GRADE LEVEL: 12

RECOMMENDED: By application only

CREDIT: 1

Development of basic math skills needed to solve general problems encountered in industry. These include working with fractions and decimals, calculator operation, measurement and conversion, perimeter, area, volume, right triangle relationships, proportion and ratio, percents, graphical data, and formulas.

TECNC WORK BASED LEARNING CNC

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

The CNC Work Based Learning is a school-supervised work experience offered to students in the CNC Program. This program provides the student authentic experiences in the world of work combined with related classroom instruction. The student may be released for a portion of the school day to work at one of the cooperating businesses. A work-based training plan includes competencies that the student works to achieve through the work experience. The cooperating businesses and coordinating teacher will train, supervise and evaluate the student's workplace experience based on job requirements and the training plan. Students will be required to obtain a work permit and will be paid for the 90 hours of work experience.

WELDING PROGRAM

**By application process only

Course Key	Course	9	10	11	12	S/Y	TE	CTEERS
TEMFMA	Manufacturing Math				X			48.05 T
TEBPR	Blueprint Reading- Welding				X			48.05 T
TEFAB1	Fabrication 1				X			48.05 T
TEGMA1	Gas Metal Arc 1 (GMAW)				X			48.05 T
TEOFMC	Oxy Fuel Metals Cutting				X			48.05 T
TEOFMJ	Oxy Fuel Metals Joining				X			48.05 T
TESMA1	Shielded Metal Arc 1 (SMAW)				X			48.05 T
TESMA2	Shielded Metal Arc 2 (SMAW)				X			48.05 T
TETIG1	Tungsten Inert Gas 1 (TIG)				X			48.05 T
TEWELD	Work Based Learning Welding				X			48.05 T

TEMFMA MANUFACTURING MATH

GRADE LEVEL: 12

RECOMMENDED: By application only

CREDIT: 1

Development of basic math skills needed to solve general problems encountered in industry. These include working with fractions and decimals, calculator operation, measurement and conversion, perimeter, area, volume, right triangle relationships, proportion and ratio, percents, graphical data, and formulas.

TEBPR BLUEPRINT READING- WELDING

GRADE LEVEL: 12

RECOMMENDED: By application only

CREDIT: 1

This course is designed to develop the student's skill in reading working drawings of weldments.

TEFAB1 FABRICATION 1

GRADE LEVEL: 12

RECOMMENDED: By application only

CREDIT: 1

A course of instruction to include the use of rulers/scales, layout and hand tools, welding joint designs, shearing and sawing materials, grinders and belt sanders and assembly projects by various welding processes. The plasma flame tracer will be introduced.

TEGMA1 GAS METAL ARC 1 (GMAW)

GRADE LEVEL: 12

RECOMMENDED: By application only

CREDIT: 1

The study of welding techniques and applications of the gas metal arc welding process using the short circuit arc process in the flat and horizontal positions on ferrous materials (steel).

TEOFMC OXY FUEL METALS CUTTING

GRADE LEVEL: 12

RECOMMENDED: By application only

CREDIT: 1

This course is designed to teach cutting and heating for the purposes of: loosening; joint preparation for welding and repair; structural shape coping using oxy-acetylene, air carbon arc and plasma arc techniques.

TEOFMJ OXY FUEL METALS JOINING

GRADE LEVEL: 12

RECOMMENDED: By application only

CREDIT: 1

Introduction of gas welding and brazing techniques used to join metal pieces together.

TESMA1 SHIELDED METAL ARC 1 (SMAW)

GRADE LEVEL: 12

RECOMMENDED: By application only

CREDIT: 1

The study of welding techniques and applications for the flat and horizontal positions, to include electrode selection, fundamental joints, welding positions, and basic electricity for arc welding.

TESMA2 SHIELDED METAL ARC 2 (SMAW)

GRADE LEVEL: 12

RECOMMENDED: By application only

CREDIT: 1

The study of welding techniques and applications for the vertical and overhead positions, to include welding metallurgy, metal properties, identification, effects of heat, pre and post weld heat treatments.

TETIG1 TUNGSTEN INERT GAS 1 (TIG)

GRADE LEVEL: 12

RECOMMENDED: By application only

CREDIT: 1

The study of welding techniques on mild steel and applications of the gas-tungsten arc welding process which will also include set up, troubleshooting and tungsten selection on ferrous materials (steel).

TEWELD WORK BASED LEARNING WELDING

GRADE LEVEL: 12

RECOMMENDED: By application only

CREDIT: 1

The Welding Work Based Learning is a school-supervised work experience offered to students in the Welding Program. This program provides the student authentic experiences in the world of work combined with related classroom instruction. The student may be released for a portion of the school day to work at one of the cooperating businesses. A work-based training plan includes competencies that the student works to achieve through the work experience. The cooperating businesses and coordinating teacher will train, supervise and evaluate the student's workplace experience based on job requirements and the training plan. Students will be required to obtain a work permit and will be paid for the 90 hours of work experience.

WORLD LANGUAGE DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
LSPAN1	Spanish 1	X	X	X	X	Y	
LSPAN2	Spanish 2		X	X	X	Y	
LSPAN3	Spanish 3		X	X	X	Y	
LSPAN4	Spanish 4			X	X	Y	
LSPAN5	Spanish 5			X	X	Y	

LSPLC1	Spanish Lit & Culture 1	X	X	X	X	S	
LSPLC2	Spanish Lit & Culture 2	X	X	X	X	S	
LSPLC3	Spanish Lit & Culture 3	X	X	X	X	S	
LSPLC4	Spanish Lit & Culture 4	X	X	X	X	S	
SHEL	EL Guided Study Hall	X	X	X	X	Y	
LGRMN1	German 1	X	X	X	X	Y	
LGRMN2	German 2		X	X	X	Y	
LGRMN3	German 3		X	X	X	Y	
LGRMN4	German 4			X	X	Y	
LGRMN5	German 5			X	X		

- Students will follow a logical sequence of language study, starting with level one and proceeding through level five.
- There will be NO independent studies offered. Students will enroll in the appropriate language level during the hour(s) available.
- Students should be aware that the study of a world language greatly enhances their status at any post-secondary institution by obtaining advanced placement or retroactive credit for competent high school language work.
- Students should obtain a C or better in language levels II and III in order to move to the next language level. Exceptions may be considered per the recommendation of the classroom teacher.

LSPAN1 SPANISH 1

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 2

In Spanish I, students will begin their exciting journey by learning essential vocabulary and the basic grammar concepts of the Spanish language. Students will be expected to blend their knowledge of the English language with Spanish as we learn how to communicate effectively in the present and reflexive tenses. In Spanish I, you will be exposed to a wide variety of Spanish speaking cultures through movies, art projects, and other exciting methods! As our communities in the United States become more diverse, knowledge of and appreciation for other cultures is not only a good idea, it is essential! Join us in Spanish I as we start building skills that will set you apart from the crowd!

LSPAN2 SPANISH 2

GRADE LEVEL: 10-12

RECOMMENDED: Spanish 1

CREDIT: 2

In Spanish II, students will increase their knowledge of the language by expanding beyond the basics learned in Spanish I. Students will continue amassing necessary vocabulary and grammar to be able to understand and communicate effectively in the target language. Students will study more complex grammar involving past tense, direct and indirect object pronouns, future tense, prepositions, etc. Students will also continue to learn about the exciting culture of Spanish speaking countries in Spain, Central and South America.

LSPAN3 SPANISH 3

GRADE LEVEL: 10-12

RECOMMENDED: C or better in Spanish 2/or teacher referral

CREDIT: 2

In Spanish III students will continue to expand on their written and oral language skills as they explore more advanced Spanish grammar skills and learn more specialized groups of vocabulary. Students will be expected to build on the grammar learned in Spanish I and II and will focus on multiple verb tenses including the perfect tenses, the conditional tense, the subjunctive tense, etc. As the year progresses, students will continue learning to communicate effectively through speaking and writing in Spanish inside the classroom, as well as through Spanish language movies, books, and magazines. If you are planning on pursuing Spanish in the future, whether it be at a traditional four-year university, or you find it useful (or essential!) as a member of the workforce, Spanish III is the course for you!

LSPAN4 SPANISH 4

GRADE LEVEL: 11-12

RECOMMENDED: C or better in Spanish 3

CREDIT: 2

In Spanish IV students will be challenged to strengthen their command of the Spanish through reading, writing and speaking. Students will be required to speak Spanish the majority of the time. In Spanish IV, students will have the opportunity to polish and refine skills learned in previous years and will now go above and beyond those skills with advanced grammar and vocabulary. In Spanish IV, students will continue to learn about the culture of Spanish speaking countries and will have the opportunity to look at the different dialects of the language used throughout those countries. This course is a must for students who wish to continue studying Spanish at the college level and for those who wish to pursue careers in Spanish whether it is teaching, business, engineering or any other.

LSPAN5 SPANISH 5

GRADE LEVEL: 11-12

CREDIT: 2

In Spanish V students will review and utilize their knowledge of the Spanish language to focus on the skills required to function in the Spanish-speaking world. Skills include writing, reading, speaking, and listening, all elements of balanced literacy. Students will continue to explore regional dialects and cultural traditions. This course is designed for students with a serious interest in developing their language skills and cultural knowledge as it pertains to Spanish. This course is perfect for students who anticipate using Spanish post-graduation at the college level or on the job. Requires completion of Spanish 3 and 4.

LSPLC1 SPANISH LITERACY AND CULTURE 1

GRADE LEVEL: 9-12

PREREQUISITES: Language proficiency test and teacher recommendation. These classes are taught completely in Spanish and are considered a Spanish Language Arts Course for fluent speakers.

CREDIT: 1 (C or better, these semester long courses are *not* sequential and can be taken in any order)

This course will focus on terms associated with Latin American cultural identity as well as biographies of migrant workers and labor activists. Learners will delve into cultural identity through the exploration of real life experiences of hispanics living in the United States. Students will work to understand the struggles and triumphs of those who have a diverse cultural background, while also studying different types of literature and media, and students will expand their knowledge on all 21 Spanish speaking countries to have a better view of the diverse, rich culture that is the hispanic heritage. This course is designed for the advanced Spanish speaking student working on the acquisition of literacy skills and cultural understanding.

LSPLC2 SPANISH LITERACY AND CULTURE 2

GRADE LEVEL: 9-12

PREREQUISITES: Language proficiency test and teacher recommendation. These classes are taught completely in Spanish and are considered a Spanish Language Arts Course for fluent speakers.

CREDIT: 1 (C or better, these semester long courses are *not* sequential and can be taken in any order)

Students will participate in a literary circle with a fictional novel of their choice relating to latino experiences in the United States. They will end the semester by studying cultural variations among each of the 21 Spanish speaking countries. Learners will delve into cultural identity through the exploration of real life experiences of hispanics living in the United States. Students will work to understand the struggles and triumphs of those who have a diverse cultural background, while also studying different types of literature and media, and students will expand their knowledge on all 21 Spanish speaking countries to have a better view of the diverse, rich culture that is the hispanic heritage. This course is designed for the advanced Spanish speaking student working on the acquisition of literacy skills and cultural understanding.

LSPLC3 SPANISH LITERACY AND CULTURE 3

GRADE LEVEL: 9-12

PREREQUISITES: Language proficiency test and teacher recommendation. These classes are taught completely in Spanish and are considered a Spanish Language Arts Course for fluent speakers.

CREDIT: 1 (C or better, these semester long courses are *not* sequential and can be taken in any order)

Students will start the year by learning about hybrid identity, such as Cuban American, or Mexican American, and the role it plays in society. Students will then research authentic Mexican and Latin American cuisine. We will discover where these foods originated and how they are a vital piece to cultural identity. Students will also delve into fictional novels based on the lives of latinos in the U.S. Learners will delve into cultural identity through the exploration of real life experiences of hispanics living in the United States. Students will work to understand the struggles and triumphs of those who have a diverse cultural background, while also studying different types of literature and media, and students will expand their knowledge on all 21 Spanish speaking countries to have a better view of the diverse, rich culture that is the hispanic heritage. This course is designed for the advanced Spanish speaking student working on the acquisition of literacy skills and cultural understanding.

LSPLC4 SPANISH LITERACY AND CULTURE 4

GRADE LEVEL: 9-12

PREREQUISITES: Language proficiency test and teacher recommendation. These classes are taught completely in Spanish and are considered a Spanish Language Arts Course for fluent speakers.

CREDIT: 1 (C or better, these semester long courses are *not* sequential and can be taken in any order)

Throughout the semester, students will learn about the benefits of bilingualism and the role it plays in their lives. This unit will be followed by a unit on translation and interpretation, exploring their differences and becoming familiar with how they can use their language knowledge beyond high school. The semester will finish with exploration of latino influence and representation in music and films. Learners will delve into cultural identity through the exploration of real life experiences of hispanics living in the United States. Students will work to understand the struggles and triumphs of those who have a diverse cultural background, while also studying different types of literature and media, and students will expand their knowledge on all 21 Spanish speaking countries to have a better view of the diverse, rich culture that is the hispanic heritage. This course is designed for the advanced Spanish speaking student working on the acquisition of literacy skills and cultural understanding.

SHEL EL GUIDED STUDY HALL

GRADE LEVEL: 9-12

RECOMMENDED: Per EL ACCESS Test

CREDITS: 1

EL Guided Study Hall is a structured study hall, students will be supported in core content classes through scaffolding designed for multilingual learners. Core content classes include social studies, science, math and English. Students will also have supported study and work time built into this time. This study hall takes the place of a regular study hall. EL students are not only learning the academic content but also the related academic language specific to each course.

LGRMN1 GERMAN 1

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 2

Are you curious about taking a world language? Do you want to expand your horizons, set yourself apart from your peers, and investigate the realm of German speaking countries like Switzerland, Germany, Austria, Liechtenstein and Luxembourg? Then this is the course for you. In German I you will be exposed to cultural, historical and geographical tidbits from these countries, as well as enormous and useful vocabulary that you would need to “get by” overseas. You will not be bored as you learn to effectively communicate in German using written and verbal language skills. Join us as we begin with the basics and begin working towards the intermediate language proficiency level!

LGRMN2 GERMAN 2

GRADE LEVEL: 10-12

RECOMMENDED: German 1

CREDIT: 2

In German II you will continue amassing necessary and useful vocabulary, which will allow you to understand and communicate effectively in the target language. We will continue to build on the foundations of German I, acquiring more complex grammar structures involving past tense, dependent clauses, modal verbs, prepositions, etc. The student will continue to strengthen their German language skills, while at the same time improving their knowledge of the English language as they move towards a level of language proficiency in German.

LGRMN3 GERMAN 3

GRADE LEVEL: 10-12

RECOMMENDED: C or better in German 2/or teacher referral

CREDIT: 2

The student will continue to expand their written and oral language skills as they continue to acquire useful and necessary grammar constructions. Heavy emphasis is placed on one’s ability to observe, analyze and draw inferences from the material presented. The class will incorporate German language audiovisual technology, as well as German language newspapers, magazines and books. You will be expected to speak and present your work in the target language much of the time. If you plan on attending a traditional four year university and see German as a means of obtaining retroactive credits or as part of your future profession, you will want to continue with this course!!!

LGRMN4 GERMAN 4

GRADE LEVEL: 11-12

RECOMMENDED: C or better in German 3

CREDIT: 2

Do you plan on attending a university? Do you want to obtain as many as 20 retroactive credits? This course will continue to challenge you and help you develop your German language skill ability. Current events, as well as newspaper and magazine articles will be infused steadily throughout this course. You will be required to speak German almost all of the time. Depth of understanding,

speaking and expressing is key here! Continue your second language acquisition, while learning about the history, politics and everyday life of the German-speaking world. This course is a must for one who wishes to pursue a career in teaching German, business, and engineering among others.

LGRMN6 GERMAN 5

GRADE LEVEL: 11-12

CREDIT: 2

Students in German V continue to develop proficiency in the German Language. Students have already acquired a basic knowledge of the language and culture of German-speaking people and have developed skills in listening comprehension, speaking, reading, and writing. This course emphasizes vocabulary, oral skills, composition and grammar, and requires students to use German in active communication. In order to promote language proficiency, this class is conducted primarily in the target language. Students work toward building a larger reading, speaking, and listening vocabulary through the use of authentic German texts and realia.

Requires completion of German III and IV.