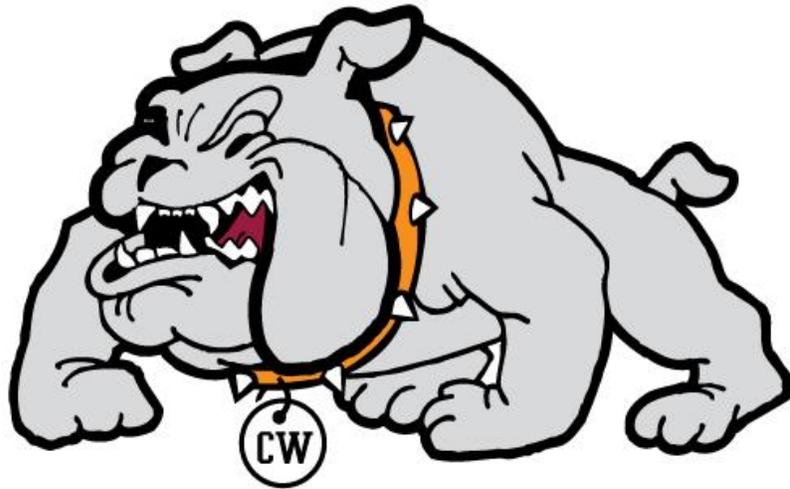


Chetek-Weyerhaeuser High School



“BULLDOGS”

2017-18 **Course Planning Guide**

“Where quality learning is the focus of the future.”

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The Chetek-Weyerhaeuser High School Course Planning Guide is available online
at www.cwasd.k12.wi.us/highschool

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CHETEK-WEYERHAEUSER HS/MS

CWHS/MS Mission Statement

At Chetek-Weyerhaeuser High School/Middle School, students will learn and perform at high levels by engaging in a wide variety of rigorous courses and high quality extra-curricular activities.

CWHS/MS Vision Statement

Chetek-Weyerhaeuser High School/Middle School will become the highest performing school in the state.

CWHS Value Statements

- Relationships - We take care of ourselves and each other.
- Respect – We respect ourselves, others, and the environment.
- Responsibility – We take ownership of our actions and learning and provide a safe environment for students and staff.

CWHS/MS Goals

- All students will meet college and career readiness benchmarks.
A new model for parent-student-teacher communication will be developed and implemented.
- Academic and Career Plans (ACP's) will be maintained for all students.
- Students will be offered acceleration opportunities based on individual student performance.
- Middle school club and extracurricular opportunities for students will be expanded.
- A robust data collection system will be acquired and utilized to examine student performance.
- All students are proficient on State assessment content prior to taking the exam.
- Identify and integrate 6-12 technology skills into learning targets.
- Pilot the development and delivery of hybrid instruction.
- Research, analyze and plan for the implementation of standards-based grading.
- All sixth grade students will receive instruction to build personal and academic skillsets.
- Implement Educator Effectiveness 6-12.
- Become a nationally recognized Professional Learning Community school.
- Continually refine learning targets 6-12, with a focus on scope and sequence.
A system of interventions exists for students that do not show academic or behavioral proficiency.
- Use formative and summative assessments to improve and measure student learning.
- Students will have the opportunity to earn vocational certifications.

PLANNING YOUR FUTURE

This booklet contains scheduling information, educational planning information as well as the 2017-2018 course descriptions available to Chetek-Weyerhaeuser High School students. The schedule is based upon a trimester structure in which students have the opportunity to sign up for five classes each trimester, not including band or choir. The total year provides for fifteen possible course sections. Some of the courses are a single trimester in length (1/2 credit) and will require only one of the fifteen sections. Other courses that are two trimesters in length (1 credit) will require two of the fifteen possible sections. The scheduling process will require students to choose courses that will utilize all fifteen sections available in three trimesters.

Students are encouraged to develop and follow a four-year plan that guides their instruction based on their interests, strengths, and post-secondary goals. It is imperative that students challenge themselves academically to prepare for the world beyond high school. We are proud of the academic opportunities students have at Chetek-Weyerhaeuser High School and encourage students to take advantage of them.

I encourage the entire family to engage in academic planning. Students need solid guidance from parents to ensure that a challenging and appropriate four-year plan is developed and followed. Students are also encouraged to make good use of other resources they have access to: guidance counselor, teachers, and administrators. Planning carefully when filling out the registration form is essential. A student's schedule may not be changed after the registration process unless a change is determined necessary by the guidance department and administration.

I wish you luck as you build your future and pursue your dreams by utilizing the high quality instruction available at Chetek-Weyerhaeuser High School. If you ever need assistance, have questions, or would like to discuss the planning process, do not hesitate to contact me.

Sincerely,

Larry Zeman
Chetek-Weyerhaeuser High School/Middle School Principal

SCHEDULING OF CLASSES

IMPORTANT THINGS TO REMEMBER

This course description book will help you plan your four-year high school career at Chetek-Weyerhaeuser High School. It is our hope that your planning will be based on career aspirations and interests. The time you spend planning your schedule will ensure you reach your goals. Courses that are listed as .5 credit will meet for one trimester. Courses that are listed as 1 credit will meet for two trimesters.

Graduation requirements are designed to give you a well-balanced program, which will help with the skills and understanding necessary to become a well-educated individual. A wide range of electives are available to help you explore and develop your interests and abilities. The responsibility for this planning rests primarily with you and your family, but you are also encouraged to seek help from your teachers and counselor. Be sure to consider the following:

1. **PLAN AHEAD**

Read the course descriptions before selecting a subject to be sure it fits your needs and interests.

Consult with teachers in specific subject areas for more detailed information.

Balance your course selections. Avoid crowding all of your academic courses into your freshman, sophomore, and junior years. Allow yourself the freedom to take elective subjects each year; they form a valuable part of your total education.

Remember to make sure you have satisfied the prerequisites for taking a particular course. A prerequisite means that one or more courses must be successfully completed before the course can be taken.

Be sure to take courses which will give you the best possible preparation for your future plans.

2. **KNOW REQUIREMENTS**

Know what the graduation requirements are before you start planning. If you have questions about credits for graduation, college, or career entrance, see your counselor.

SCHEDULING OF CLASSES

3. HOW TO COMPLETE YOUR SCHEDULE

- A. Class meetings will be held to assist students with this process. Students will fill out the "Student Course Selection" worksheet. The completed worksheet will be reviewed by high school staff for accuracy and completeness. Be certain to fill in all information. Remember that all courses worth 1 credit require two blocks on your selection worksheet. If possible, get recommendations from teachers as to what courses you should take.
- B. Have your parent or guardian review and sign your "Student Course Selection" worksheet.
- C. Turn in your completed "Student Course Selection" worksheet to the high school guidance office.

SINCE STUDENT COURSE SELECTIONS ARE A PRIMARY FACTOR IN DETERMINING THE MASTER SCHEDULE, STUDENTS ARE ENCOURAGED TO CHOOSE CAREFULLY. NO SCHEDULE CHANGES WILL BE MADE AFTER THE INITIAL SCHEDULING PROCESS IS COMPLETED UNLESS OTHERWISE DIRECTED BY THE GUIDANCE OFFICE AND PRINCIPAL.

GRADUATION REQUIREMENTS

CLASSES OF 2018 – 2019:

Computer Science ½ credit

Personal Finance ½ credit

English 4 credits

Must include: English 9 – 1 credit
English 10 – 1 credit
American Literature – ½ credit or AP English Language
English 12 – 1 credit or AP English Literature
English Elective – ½ credit

Health ½ credit

Mathematics 3 credits

Must include: Algebra I – 1 credit
Geometry – 1 credit
Math Elective – 1 credit

Physical Education 1 ½ credits

Must include: PE 9-10

Science 3 credits

Must include: Physical Science – 1 credit
Biology I – 1 credit
Science Elective – 1 credit

Social Studies 3 ½ credits

Must include: World History-Ancient – ½ credit
World History-Modern – ½ credit
American History – 1 credit
World Geography – ½ credit
Civics – ½ credit
Social Studies Elective – ½ credit

Plus enough elective credits to total at least 27 credits.

Please note that some universities and technical colleges may have additional admission requirements.

CLASSES OF 2020 – 2021:

Academic and Career Planning..... ½ credit

Personal Finance..... ½ credit

English.....4 credits

- Must include: English 9 – 1 credit
English 10 – 1 credit
American Literature – ½ credit or AP English Language
English 12 – 1 credit or AP English Literature
English Elective – ½ credit

Health..... ½ credit

Mathematics3 credits

- Must include: Algebra I – 1 credit
Geometry – 1 credit
Math Elective – 1 credit

Physical Education..... 1 ½ credits

- Must include: PE 9-10

Science.....3 credits

- Must include: Physical Science – 1 credit
Biology I – 1 credit
Science Elective – 1 credit

Social Studies.....3 ½ credits

- Must include: World History-Ancient – ½ credit
World History-Modern – ½ credit
American History – 1 credit
World Geography – ½ credit
Civics – ½ credit
Social Studies Elective – ½ credit

Plus enough elective credits to total at least 27 credits.

Please note that some universities and technical colleges may have additional admission requirements.

FOUR-YEAR COLLEGE ENTRANCE REQUIREMENTS

If your plans after graduation include a four-year college, keep in mind these major factors upon which your college admission is based:

1. The quality and rigor of your course of study while in high school
2. The grades earned in these courses and resulting grade-point average and class rank
3. Your score on the ACT and/or SAT test
4. Activities both in and out of school (an important factor when scholarships are awarded)

Colleges have their individual requirements regarding admissions, and they may change yearly. Thus, you should identify these requirements as early as possible to ensure you are meeting them by high school graduation. Below are the minimum course requirements for the UW-System. Private and out-of-state schools may have additional requirements. All University of Wisconsin System institutions require new freshmen to have completed a minimum of 17 high school credits. Thirteen of these must be Core College preparatory.

Thirteen Core College Prep Credits:

4 credits of English

3 credits of Social Studies

3 credits of Natural Science

3 credits of Math including Algebra I, Geometry, and Algebra II (The University of Minnesota requires 4 credits of math).

Four Elective Credits:

These can be chosen from the above core college prep areas, foreign language, fine arts, computer science, or other academic areas. Some University of Wisconsin System schools may also accept vocational courses for some of these four elective credits.

Foreign Language:

In the University of Wisconsin system, University of Wisconsin-Madison is the only college that requires two years of the same foreign language (typical for admission is four years). Other University of Wisconsin schools strongly recommend it. Schools in the University of Minnesota system also require two years of the same foreign language.

There are 13 four-year campuses in the University of Wisconsin system:

UW-Eau Claire

UW-Oshkosh

UW-Stout

UW-Green Bay

UW-Parkside

UW-Superior

UW-La Crosse

UW Platteville

UW-Whitewater

UW-Madison

UW-River Falls

UW-Milwaukee

UW-Stevens Point

TWO-YEAR COLLEGE ENTRANCE REQUIREMENTS

Students may start their education at a two-year college and then transfer to a four-year college to earn a bachelor's degree. After fulfilling certain credit and grade point requirements, students who participate in the Guaranteed Transfer Program are guaranteed admission into the University of Wisconsin university of their choice. The transfer program guarantees admission to the baccalaureate institution only and not to the specific program or major.

Two-year colleges are different from technical schools. In Wisconsin, the two-year colleges belong to the University of Wisconsin System. University of Wisconsin-Barron County in Rice Lake is an example of a two-year college. Entrance requirements include the following:

1. Must have graduated from a recognized high school, have a Certificate of GED, or present other evidence of ability to begin.
2. Have a minimum of 17 college prep credits. Thirteen of the seventeen credits must be distributed as follows:

- 4 credits of English
- 3 credits of Social Studies
- 3 credits of Natural Science
- 3 credits of Math (must include at least 1 credit of Algebra and 1 credit of Geometry)

The remaining four credits can be chosen from the above areas, foreign language, fine arts, computer science, or other academic areas.

3. Submit an ACT or SAT score. The scores must be received before you will be permitted to register.

If you are admitted and if your high school record, placement test scores, or other previous academic performance indicate that you may have difficulty with university work, you will be required to participate in special programs aimed at preparing you to succeed at university-level coursework. Please note that some of these courses may not count toward your college degree.

There are 13 two-year campuses in the University of Wisconsin Colleges System:

UW-Baraboo/Sauk County	UW-Marathon County	UW-Sheboygan
UW-Barron County	UW-Marinette	UW-Washington County
UW-Fond du Lac	UW-Marshfield/Wood County	UW-Waukesha
UW-Fox Valley	UW-Richland	UW-Manitowoc
UW-Rock County		

TECHNICAL COLLEGE ENTRANCE REQUIREMENTS

Technical colleges provide affordable, career-oriented programs for many high-skilled, technical jobs in the state. Small class size, flexible scheduling, and a high job placement rate are all attractive features of these schools. Students spend most of their class time in job-related settings where they receive hands-on training from experienced instructors. Degrees offered range from short-term programs and certificates to technical diplomas and associate degrees, which take one to two years to complete. WITC in Rice Lake is an example of a technical college.

Technical colleges currently have an open enrollment policy. Specific programs have specific requirements for admittance. Some programs may require that specific prerequisite courses be taken in high school or at the technical college prior to admittance. It is very important to check the specific program requirements in the college catalog or on the college website at <http://witechcolleges.org>.



CAREER PLANNING & TESTING

Individual Conferences with the High School Counselor

Parents, guardians and students are welcome to make appointments with the counselor anytime throughout the year to discuss academic and career planning.

Academic and Career Plans

Beginning in the 2017-2018 school year, the State of Wisconsin has mandated that all students in grades 6-12 have an academic and career plan (ACP). The ACP is a student-driven planning and monitoring tool that helps students create programs of study that are aligned with high school graduation requirements, personal interests, and individually defined career goals. An ACP can refer to both a process that helps students engage in career development activities and a product (document/portfolio) that is created and maintained for the student's academic, career, and personal advancement. ACP's will be developed collaboratively by students, parents, and school staff, including teachers and counselors; updated as students' personal, educational, and career goals change. An ACP for all students is something that CWHS is committed to and excited about.

College and Career Exploration Tools

All students in grades 9-12 will be provided with Career Cruising accounts. Career Cruising is an Internet-based career exploration and planning tool used to explore career and college options and develop a career plan. Career Cruising can be accessed from school, from home, or wherever there is access to the Internet. Features of the program include:

- Assessments
- Career Profiles
- Multimedia Interviews
- College, University, and Apprenticeship Information
- Employment Guide
- My Plan (online portfolio)
- Resume Builder
- Parent Portal

College Admission Tests

ACT: The ACT is the preferred admissions test of four-year colleges and universities throughout the Midwest. Two-year colleges, such as UW-Barron County, also require the ACT. Technical colleges do not require the ACT, but may accept the score in place of

their testing. Subject areas include English, Reading, Math, Science Reasoning, and an optional Writing test. All 11th grade students are required by the state of Wisconsin to take the ACT Plus Writing and the ACT Work Keys assessment. The testing will occur during regularly scheduled school days at no cost to the students. Students may find more information about the ACT at www.actstudent.org.

SAT (Optional): The SAT test is a college entrance exam that is accepted at most colleges and universities. Some students are curious about their performance on the SAT or are interested in a college that encourages taking the SAT. Interested students may find information about the SAT or and where the test is offered at www.collegeboard.org. Families may find it helpful to know that typically 1-2 CWHS students per year take the SAT. Students are responsible for registering for and paying for the exam on their own.

ACT Aspire: The State of Wisconsin requires 9th and 10th grade students to take the ACT Aspire in the areas of reading, math, science, writing, and English. Students will take the summative assessment in the spring.

ACT Plus Writing: Required by the State of Wisconsin for all 11th grade students. The test will be given on a regularly scheduled school day. Students may use their results for college admission requirements and may send the results to up to four colleges at no cost to the student. The ACT Plus Writing includes five sections: English, math, science, reading, and writing.

ACT Work Keys: Required by the State of Wisconsin for all 11th grade students and will be given on a regularly scheduled school day. The Work Keys has 3 components, applied math, locating information, and reading for information.

PSAT (Optional): The PSAT (Preliminary Scholastic Aptitude Test) is offered to 11th grade students in October. Some students may want to take the PSAT to practice taking a standardized college entrance exam. Students with very high PSAT scores may qualify for the National Merit Scholarship Program. There is a fee to take this test.

ASVAB (Optional): The ASVAB (Armed Services Vocational Aptitude Battery) is free and is offered during the school day in the fall to interested 11th and 12th grade students. The test includes a vocational component which many students use in the career development process. The ASVAB is administered at CWHS/MS by military personnel. Students considering military options after high school may want to take the ASVAB.

Wisconsin Forward: The Wisconsin Forward Exam will be administered to 10th grade students in the area of social studies.

CHETEK-WEYERHAEUSER HIGH SCHOOL FOUR-YEAR COURSE PLAN

NAME: _____ DATE: _____

Fill in all 15 slots, in each grade level, in order to have a full class schedule. Do not list Band, Choir or Resource as part of the 15 slots. Use pencil so you can make changes if necessary.

9th Grade					
Required classes: English 9 American History Physical Science Pre-Algebra, Algebra I, or Geometry Computer Science Elective Phy. Ed. 9-10 Teen Health	English 9 A	American History A	Physical Science A	Math A	Teen Health
	English 9 B	American History B	Physical Science B	Math B	
	Phy. Ed. 9-10				
10th Grade					
Required classes: English 10 World Geography World History – Ancient Biology Math Phy. Ed.	Biology A	English 10 A	Math A	World Geography	World History - Ancient
	Biology B	English 10 B	Math B	Academic & Career Planning	
11th Grade					
Required classes: American Literature World History - Modern Social Studies Elective English Elective Math Science Elective Phy. Ed.	American Literature <u>or</u> AP English Language & Composition	Eng. Elective	Math A	World History - Modern	Science Elective
			Math B	SS Elective	Science Elective
12th Grade					
Required classes: Civics English 12 or AP English Personal Finance	English 12 A <u>or</u> AP English Lit & Composition	English 12 B <u>or</u> AP English Lit and Composition	Civics <u>or</u> AP US Government	Personal Finance	

ART

AP STUDIO ART: 2-D

Grades 11-12..... 1 credit

PREREQUISITE: Drawing and Painting II

AP Studio Art has been developed to accommodate serious art students who have expressed an interest in completing the AP Drawing Portfolio or the AP 2-D Design Portfolio. Through studio practice, application of design concepts and informed decision making, these students will assemble a body of artwork that demonstrates a high level of quality and growth over time of content, technique, and process. Students will investigate all three parts of their portfolios as required by the AP College Board: Quality, Concentration, and Breadth. All work will be documented through-out the year by digital photos and by PowerPoint.

AP STUDIO ART: 3-D

Grades 11-12..... 1 credit

PREREQUISITE: Ceramics II

Students are expected to become independent thinkers and to apply their knowledge of the elements and principles to their work in a variety of media (clay, wire, paper mache, found objects...) in order to demonstrate mastery of three-dimensional design skills and concepts. All AP students submit portfolios (20 or more pieces) to the College Board for evaluation at the end of the school year (first week of May).

AP STUDIO ART: DRAWING

Grades 11-12..... 1 credit

PREREQUISITE: Drawing and Painting II

Students are expected to become independent thinkers and to apply their knowledge of the Elements and Principles to their drawings in order to demonstrate mastery of two-dimensional design skills and concepts. All AP students submit portfolios (20 or more pieces) to the College Board for evaluation at the end of the school year (first week of May).

ART

CERAMICS I

Grades 9-10-11-12 ½ credit

This is a basic course in ceramics with an emphasis in hand-built forms. The methods of pinch, slab, coil, and hump will be used to familiarize the student with clay and clay building. Students will learn the language and terminology used in ceramics. Through various projects, students will gain confidence with observational analysis; technical, interpretive, and inventive skills; self-expression; and personal interests. Students will learn the stages of clay from its origin in the ground through the firing and glazing stages. Group and individual critiques will be included in the course to increase awareness, questioning and self-evaluation. Through research, the student will demonstrate an awareness of and appreciation for the works of ceramic artists from our culture and other cultures. The student will develop knowledge about the early history of ceramics.

CERAMICS II

Grades 9-10-11-12 ½ credit

PREREQUISITE: Ceramics I

This course builds upon prior knowledge from Ceramics I, while developing creativity, craftsmanship, and design skills. Specific projects will be assigned with an emphasis given to design and craftsmanship. Form and design will be emphasized. Glazing and decorating techniques, as well as combining thrown and hand-built forms, will be considered to further emphasize form and design. Students will increase awareness, questioning and self-evaluation through demos, group and individual critiques, and research of ceramic artists.

DRAWING I

Grades 9-10-11-12 ½ credit

This introductory course will focus on the fundamentals of drawing. Emphasis will be placed on the drawing process (seeing vs. looking). Students will work with a variety of different drawing media and learn and experiment with many techniques. A range of subject matter will be explored including: still life, landscape, figures, portraiture, nonobjective and imaginative images.

ART

DRAWING AND PAINTING II

Grades 9-10-11-12 ½ credit

PREREQUISITE: Painting I or Drawing and Painting I

In this course, students will gain an understanding of Art History and how it influences and informs the development of the artwork they make, as well as artwork around the world. Students will build upon the basic drawing and painting skills they learned in Drawing or Painting 1, and start to focus on the development of strong compositions, as well as their own artistic style and voice. Students will work in a variety of mediums, and will be exploring more complex artistic styles, techniques, and concepts. This class involves a high level of critical thinking and creative problem solving.

GRAPHIC DESIGN

Grades 9-10-11-12 ½ credit

This course introduces the interaction of text and image and the fundamental components of graphic communication. Students will develop and hone skills in working with text and image as they create solutions to a series of design problems. Visual literacy will be increased through exposure to contemporary design issues and graphic design history. Students will be expected to expand their proficiency in all aspects of the design process, including the use of formal design principles, type as image, creative brainstorming, conceptualizing, critical thinking, collaboration, and presentation.

PAINTING I

Grades 9-10-11-12 ½ credit

PREREQUISITE: Drawing I or Drawing and Painting I

This class introduces the basics of painting, color theory, medium, and composition. Work will be done in acrylic, watercolor, and acrylics. Students will explore realistic, expressive and abstract approaches to traditional and experimental color theory through a variety of media, which may include watercolor and acrylic. Students will demonstrate an increasing art vocabulary through reflective and critical analysis of their own work and the work of others, and will participate in a gallery and/or public display of work.

ART

PHOTOGRAPHY

Grades 9-10-11-12 ½ credit

This course is an introduction to photographic techniques and digital imagery including the basic techniques of digital camera operation, image scanning devices and computer software editing. Throughout the course, technical skills and conceptual understanding will be major goals in the weekly hands-on assignments. Through lectures, presentations, reading, projects, discussions and portfolios students gain insight into contemporary theory and historical heritage of digital photography. Students will be provided with a digital camera they can check out or they can bring their own.

PRINTMAKING

Grades 9-10-11-12 ½ credit

PREREQUISITE: Drawing I or Drawing and Painting I

Students will learn techniques of fine art printmaking, e.g. relief printing, monotype, letterpress, intaglio, screen printing and collage. This course covers the distinctive nature of printmaking including: tools, inks, paper, plate preparation, registration, printing processes and qualities of prints e.g overlays, transparency, offset, and multiple images. The goal is for students to gain the skills and confidence to produce multiple images by hand printing and on a press while exploring personal visual expression. Hand printmaking techniques will engage the student with problem solving in drawing, design and color. Topics may include editions, suites and designation systems. Class sessions will comprise independent and collaborative printing and, lecture, demonstrations, discussion, and critique. Students will be introduced to the work of artists and the history/tradition of fine art prints.

BUSINESS & INFORMATION TECHNOLOGY/MARKETING

Business and Information Technology / Marketing Course Map	
Level 1	Level 2
Academic & Career Planning	
Advanced Computer Applications	
Desktop Publishing	
Computer Programming I	
Introduction to Business	Accounting I <i>*Introduction to Business</i>
Marketing I	Marketing II <i>*Marketing I</i>

**REQUIRED PREREQUISITES*

ACADEMIC AND CAREER PLANNING

Grade 10..... ½ credit

This course will provide students with the opportunity to learn strategies to create success in school and in life. Academic and career planning activities will be a part of the course. Students will have the opportunity to learn about lifelong success skills like responsibility, self-motivation, self-management, interdependence, self-awareness, life-long learning, and emotional intelligence.

ACCOUNTING I

Grades 10-11-12..... 1 credit

PREREQUISITE: Introduction to Business

Did you know accounting is one of the majors most in demand in the country? Accounting is a course in which the student learns how to keep financial records, an important part of operating any business. Any student pursuing a degree in business (major or minor) should take this course. A study of accounting assists in preparing students for post-secondary business programs, for employment in entry-level positions,

BUSINESS & INFORMATION TECHNOLOGY/MARKETING

or for using accounting for personal transactions. Students will be introduced to accounting software and will complete a simulation during this course.

INTRODUCTION TO BUSINESS

Grades 9-10-11-12 ½ credit

This class will provide an overview of the world of business from an entrepreneurial (business owner) viewpoint. Types of businesses, their organizational format and activities performed in all businesses will be defined. Included will be topics such as organizational structure, business operations, the role of human resources in management, fundamentals of management, and other areas of business such as accounting, production/manufacturing, management and sales/marketing.

MARKETING I

Grades 9-10-11-12 ½ credit

This course will explore the activities necessary to plan, distribute, price, and promote goods and services. Successful completion of this course will allow the student to understand the basic theory of marketing, the marketing concept and its impact on individuals and organizations; realize the methods of research used before marketers make decisions; understand the actions that marketers can take in selecting products, prices, distribution channels, and promotion; analyze the successes and failures of marketing activities in the United States and in foreign markets; and apply marketing knowledge directly to everyday life. In addition, we will be exploring the Internet as a resource for marketers. **This is a transcribed course through Wisconsin Indianhead Technical College. Students wishing to gain college credit will need to fill out a registration form. Upon successful completion of the course, the student will gain three (3) college credits.**

MARKETING II (Advanced Marketing)

Grades 10-11-12..... ½ credit

PREREQUISITE: Marketing I

This course is a unique and innovative class designed for students who have an interest in the sports and entertainment industry. Course components include the following: an overview of the sports and entertainment industry, event marketing, promotion, sponsorship, event development, and event management. Students will produce an entertainment or sporting related project incorporating the knowledge and skills gained in the course content.

COMPUTER SCIENCE

ADVANCED COMPUTER APPLICATIONS

Grades 9-10-11-12 ½ credit

Students will have the opportunity to study advanced computer applications. This will be an in depth course focusing on advance knowledge in a Microsoft and Web 2.0 exploration.

COMPUTER PROGRAMMING I

Grades 9-10-11-12 ½ credit

In this course, students will learn a contemporary computer programming language that is used in industry. Programming concepts include syntax, variables, data types, operators, functions, data structures. Students will write, edit, compile, debug, and run programs to solve real world challenges.

DESKTOP PUBLISHING

Grades 9-10-11-12 ½ credit

In this course, you will learn the most important topics of Adobe InDesign CS3 and Dreamweaver MX. Within InDesign, you will learn how to work with text and set up a document. You will learn how to work with frames, colors, place and link graphics and work with tools and tables. You will also create web pages for business use and personal use. Instruction will be given on how to create various publications used in business such as brochures, newsletters, flyers, business cards, letterheads, and websites.

FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences Course Map			
Level 1 Basic	Level 2 Intermediate	Level 3 Advanced	Level 4 Advanced Custom
Family, Foods and Society I	Family, Foods and Society II <i>*Family, Foods & Society I</i>	Food Science <i>*Family, Foods & Society I</i> <i>*Family, Foods & Society II</i>	Work Based Learning-Food Sciences <i>*Family, Foods & Society II</i>
Parents and Children		Assistant Child Care Teacher <i>*Parents and Children</i>	Work Based Learning-Child Services <i>*Parents and Children</i> <i>*Assistant Child Care Teacher</i>
Individual Relationships			Work Based Learning-Family and Community Services <i>*Parents and Children</i> <i>*Individual Relationships</i>

**REQUIRED PREREQUISITES*

ASSISTANT CHILD CARE TEACHER CERTIFICATION

Grades 11-12..... ½ credit

PREREQUISITE: Parents and Children

In this course, students will gain practical experience working with children while earning two state certifications: Assistant Child Care Teacher and Infant and Toddler Teacher. Units of study include the childcare environment, guiding children, food and nutrition, health and safety, early childhood brain development and occupational relationships. Students will be constructing classroom activities and curriculum by developing projects to be used in a child care setting. In order to achieve certification, students must earn a C or better, be present for 85% of the course content, and complete 10 hours of job shadow experience. Certification allows students to work as an Assistant Child Care Teacher at any licensed day care at the age of 17. **This course is a Wisconsin Technical College course. Students wishing to gain college credit will need to WITC registration form for this course. Upon successful completion of the course, WITC will award three (3) college credits. This course is a prerequisite for the Family and Consumer Sciences Work-Based Learning Program in Child Services.**

FAMILY AND CONSUMER SCIENCES

FAMILY AND CONSUMER SCIENCES WORK-BASED LEARNING PROGRAM – CHILD SERVICES

Grade 12..... State Certification

PREREQUISITES: Parents and Children **and**
Assistant Child Care Teacher (ACCT) Certification

This is a hybrid course that focuses on specific careers in the areas of Family and Consumer Sciences. Employability skills, job searching and portfolio development will be studied as well as career specific curriculum. Students will be responsible for finding employment at a licensed day care/child care center, with the assistance of the instructor if needed. Students will be assigned a work-place mentor and must complete a minimum of 480 work hours (average of 15 hours per week). Work release time will be granted to qualifying individuals. Students are required to complete online coursework to obtain state certification and must become an occupational member of Family, Career, and Community Leaders of America (FCCLA). Application for program must be submitted and all prerequisites must be met. All assignments, class discussion, projects, etc., are designed to meet the year-end goal of completing the Child Services Certification. This course is articulated with WITC and can be counted toward continuing education coursework. Work and classroom experience will be evaluated by industry standards based on quality as well as timeline demands. This course is not taken for credit, and certification comes at the end of the work-based experience (end of term 3).

FAMILY AND CONSUMER SCIENCES WORK-BASED LEARNING PROGRAM – FAMILY AND COMMUNITY SERVICES

Grade 12..... State Certification

PREREQUISITES: Parents and Children **and** Individual Relationships **and**
G.P.A. of 2.0 or above

This is a hybrid course that focuses on specific careers in the areas of Family and Consumer Sciences. Employability skills, job searching and portfolio development will be studied as well as career specific curriculum. Students will be responsible for finding employment at a family or community resource center, with the assistance of the instructor if needed. Students will be assigned a work-place mentor and must complete a minimum of 480 work hours (average of 15 hours per week). Work release time will be granted to qualifying individuals. Job placements will be in business serving families and the community. Application for program must be submitted and all prerequisites must be met. All assignments, class discussion, projects, etc., are designed to meet the year-end goal of completing the Family and Community Services Certification. Work and classroom experience will be evaluated by industry standards based on quality as well as timeline demands. This course is not taken for credit and certification comes at the end of the work-based experience (end of term 3).

FAMILY AND CONSUMER SCIENCES

FAMILY AND CONSUMER SCIENCES WORK-BASED LEARNING PROGRAM – FOOD SERVICES

Grade 12..... State Certification

PREREQUISITES: Family, Foods and Society II **and** G.P.A. of 2.0 or above

This is a hybrid course that focuses on specific careers in the areas of Family and Consumer Sciences. Employability skills, job searching and portfolio development will be studied as well as career specific curriculum. Students will be responsible for finding employment within the food service industry, with the assistance of the instructor if needed. Students will be assigned a work-place mentor and must complete a minimum of 480 work hours (average of 15 hours per week). Work release time will be granted to qualifying individuals. Application for program must be submitted and all prerequisites must be met. All assignments, class discussion, projects, etc., are designed to meet the year-end goal of completing your Food Services Certification. Work and classroom experience will be evaluated by industry standards based on quality as well as timeline demands. This course is not taken for credit, and certification comes at the end of the work-based experience (end of term 3).

FAMILY, FOODS AND SOCIETY I (FOODS I)

Grades 9-10-11-12 ½ credit

Food plays an important role in the lives of individuals, families, and societies. This is an introductory course designed to teach students the basics of nutrition and the need for a healthy diet throughout the life cycle. Students will analyze food in history, the meanings of food, and food as a continuing concern. Equipment and utensil usage, proper measurement techniques, and beginning food preparation methods will be learned. Cooperative lab work will be utilized. This course is a prerequisite for Family, Foods and Society II (Foods II).

FAMILY, FOODS AND SOCIETY II (FOODS II)

Grades 10-11-12..... ½ credit

PREREQUISITE: Family, Foods & Society I (Foods I)

This course focuses on the various meanings individuals hold for food and how they influence family and societal food habits. We will examine the roles and responsibilities which individuals, families and societies have regarding local and global hunger. In addition, students will have the opportunity to prepare foods from various countries and cultures. Advanced food preparation skills will be utilized through the participation in various labs. Students will work cooperatively to practice resource management skills. This course is a prerequisite for the Family and Consumer Sciences Work-Based Learning Program in Food Services.

FAMILY AND CONSUMER SCIENCES

FOOD SCIENCE

Grades 11-12..... ½ credit

PREREQUISITE: Family, Foods and Society II (Foods II)

Science principles can be seen in the food industry everywhere: in farm fields, in food processing plants, in home and restaurant kitchens, and in research laboratories. Students will have the opportunity to create, analyze, and evaluate new and existing food products while learning about the biological, chemical, and physical science concepts that are found in the food industry. Students will be provided with hands-on lab activities to more easily understand nutrition, technology and science. From simple applications in the kitchen to the benefits experienced by a community, food science connects the world of the food industry to “everyday” science applications.

INDIVIDUAL RELATIONSHIPS

Grades 10-11-12..... ½ credit

In this course, students will learn to develop skills for managing all areas of life—as an individual, a family member and a part of society. Students will explore the theory and development of relationships and the importance of becoming interdependent. Students will examine the correlation between self-esteem, positive relationships and success in life. Building character, communication, responsibility, sexuality, diversity and self-esteem will be examined and studied.

PARENTS AND CHILDREN

Grades 10-11-12..... ½ credit

This course emphasizes the development of children and parenting responsibilities. Students will explore pregnancy and birth, physical growth and development, emotional, social and intellectual development, parenting styles and career options. Theories of development, positive guidance, and utilization of community resources make this an excellent course for students interested in pursuing a career in the field of education, childcare, and for students interested in preparing for their own future parenting role. This course is a prerequisite for the Assistant Child Care Teacher (ACCT) class.

FOREIGN LANGUAGE

All Spanish classes are communicative courses. Students will speak, read and write Spanish with each class adding to the development of their Spanish proficiency through extensive interaction with the target language.

SPANISH I

Grades 9-10-11-12 1 credit

The students will be introduced to the fundamental elements of the Spanish language. Emphasis will be on basic speaking, listening, reading and writing. Students will learn target vocabulary, grammar, and culture through the use of various supplementary learning media and materials. Upon completion, students will have the ability to communicate in the target language with simple conversation. Students will be strongly encouraged to use only target language as they progress through the semester.

SPANISH II

Grades 9-10-11-12 1 credit

PREREQUISITE: Spanish I

This course is a continuation of Spanish I and will focus on further development of speaking, listening, reading and writing skills. More emphasis is placed on informal conversations and moving toward formal conversation. Students will need to communicate in target language and will be encouraged to use only the target language at various times. Some instruction may still be in English; however, as students progress, more target language will be used. The students will be able to comprehend and respond with increasing proficiency to spoken and written Spanish and will be able to demonstrate further cultural awareness. Vocabulary, grammar, communication and culture will all be covered in this course in written and oral forms.

SPANISH III

Grades 10-11-12..... 1 credit

PREREQUISITE: Spanish II

This course will cover topics pertaining to the culture and history of the target language with strong emphasis on speaking, informal and formal conversations. Topics may include historical, social-political, economic and artistic topics. Student will be able to show knowledge of issues important to understanding cultural differences. Vocabulary, grammar, communication and culture will all be covered in this course in written and oral forms. Class is mostly conducted in Spanish.

FOREIGN LANGUAGE

SPANISH IV

Grade 11-12 1 credit

PREREQUISITE: Spanish III

This course is a continuation of Spanish III with stronger emphasis on conversations. Students will be required to present materials in target language. Students will be able to communicate completely in Spanish. Topics may include historical, social-political, economic and artistic topics. Students will be able to choose modes of presentation. Upon completion of this course, students will be able to discuss topics, express ideas and opinions clearly, and engage in formal and informal conversation.

HEALTH

HEALTH ISSUES

Grades 11-12..... ½ credit

This class provides opportunities for students to take an in-depth look at current societal health issues and means to advocate for themselves and others. Topics include global health concerns, disabilities within our community and schools, medical insurance, medical careers, and several other social health topics. Methods used to explore topics include but are not limited to expert research, power point, movie maker, and guest speakers.

TEEN HEALTH

Grade 9..... ½ credit

Students will identify and examine risky behavior and its health consequences for teens. Issues may include teen chemical use, fitness and nutrition, use of tobacco products, eating disorders, violence/conflict resolution, stress, depression, suicide, early sexual activity and its health and legal consequences, interpersonal communication, and other topics identified by the class. Students will explore these topics through technology, media, guest speakers, classroom activities, and a variety of other teaching methods.

LANGUAGE ARTS

Language Arts Course Map			
Grade 9	Grade 10	Grade 11	Grade 12
English 9	English 10	American Literature or AP English Language & Composition	English 12 or AP English Lit & Composition
		Contemporary Perspectives*	Contemporary Perspectives*
		Creative Writing*	Creative Writing*
		Journalism*	Journalism*

**Electives*

AMERICAN LITERATURE

Grade 11 ½ credit

This course introduces students to fiction and nonfiction authors, selections, and themes in literature that are a part of our American heritage. Students will read, analyze, and discuss the unique and universal qualities of American literature. Assignments will provide opportunities to use the writing process and to demonstrate the six traits of good writing.

AP LANGUAGE AND COMPOSITION

Grade 11 1 credit

This two-trimester course encourages and engages students in becoming skilled readers and writers who compose for a variety of purposes, with a concentration on persuasive composition. This course is organized according to the requirements and guidelines of the current AP English Course Description. Students are expected to read critically, think analytically, and communicate clearly in writing. College credit may be earned by passing the AP Exam. **This course may be taken as an alternative to American Literature.**

LANGUAGE ARTS

AP LITERATURE AND COMPOSITION

Grade 12..... 1 ½ credits

This three-trimester alternative to English 12 exposes college-bound students to the rigorous course of study required in a college introductory literature class. Students will develop their powers of analytical thinking through the critical analysis of literary masterpieces and critical essays and hone their skills in expository writing through rhetorical exercises based on class readings. Students registering for this class must be willing to devote time and energy, both within and outside the class, to meet the intellectual demands of the course. College credit may be earned by passing the AP Exam. **This course may be taken as an alternative to English 12.**

CONTEMPORARY PERSPECTIVES

Grades 11-12..... ½ credit

Contemporary Perspectives offers a global approach to literature. This class focuses on literature of the twentieth century to present. Emphasis is placed on literary skills and analysis of varied literature genres and cultural voices.

CREATIVE WRITING

Grades 11-12..... ½ credit

This junior-senior elective English course focuses on creative writing as both process and product. This course will provide opportunities for the student to create several forms of writing while discovering his/her unique voice. Students write every day in a relaxed, open environment.

ENGLISH 9

Grade 9..... 1 credit

This required two-trimester freshman English course provides students with a strong foundation of a language arts curriculum, which will prepare them for success in all areas of reading, writing, speaking, and listening.

LANGUAGE ARTS

ENGLISH 10

Grade 10..... 1 credit

This two-trimester course will focus on a variety of literature, oral communication, and rhetorical writing. One trimester will emphasize researching and research skills based on literary topics. MLA format, plagiarism and reliable sources will be topics of instruction.

ENGLISH 12

Grade 12..... 1 credit

This two-trimester class will review and polish fundamental writing skills in order to achieve proficiency in oral and written communication. The class will study selected literature and do writing that is connected to that literature, as well as some technical writing. Students will work independently on assignments, which include a research project.

JOURNALISM

Grades 11-12..... ½ credit

This junior-senior elective English course will cover all aspects of journalistic writing and conventions. Students will be able to research and interview effectively, as well as write various types of news stories. Students will also examine the role of media in contemporary society by analyzing media narratives through the use of rhetorical strategies and close reading.

MATHEMATICS

Mathematics Department Statement on Calculators:

Calculators are an important part of mathematical study, and the appropriate use of them is dealt with in every math class in the high school. **Students must have a scientific calculator with them every day in all math classes.** A recommended model is the Texas Instruments TI-30XIIS or TI-30XIIB. The Chetek-Weyerhaeuser High School IMC has a limited number of scientific and graphing calculators for students to check out for a trimester. Students planning on advancing to Statistics, Advanced Math A, Advanced Math B, and/or Calculus are strongly encouraged to purchase a TI-83 or TI-84 graphing calculator.

ADVANCED MATH A

Grades 10-11-12..... ½ credit

PREREQUISITE: Algebra II (or concurrent enrollment)

This is a course that sets students up for the study of higher level mathematics and advanced sciences such as physics. Topics of study include a review of functions, mapping angles in rotation, the unit circle and the values of the six trigonometric functions, graphs of trig functions, creating a function to model periodic functions, trigonometric proofs and identities, and the composition of waves and wave models.

ADVANCED MATH B

Grades 10-11-12..... ½ credit

PREREQUISITE: Advanced Math A

A complete understanding of the uses of logarithms and solving exponential equations will be developed through a unit in mathematical models as students will explore functions and how to figure out equations to model mathematical situations. A study of conic sections and matrices will follow as well as the integration of spreadsheets and the use of graphing calculator technology.

MATHEMATICS

ALGEBRA I

Grades 9-10..... 1 credit

This course provides an understanding of algebra in six basic areas. These areas are problem solving, graphing, writing equations, ratios, solving equations, and symbol manipulation. Each unit takes a spiral approach in which concepts are reviewed and expanded to help student understanding. Upon completion of this course, the student should be able to 1) understand the basic building blocks of algebra, 2) apply problem solving techniques to real world problems, and 3) learn to work effectively with others to find answers.

ALGEBRA II

Grades 9-10-11-12 1 credit

PREREQUISITES: Algebra I **and** Geometry

Students will continue to use strategies and knowledge of algebra, geometry, and functions to make connections to further mathematics. Visualizing, interpreting, and graphing functions will be stressed in a broad range of topics from linear to trigonometric. Group work will be stressed with the primary goal being to understand the mathematics. Students will learn to construct convincing arguments to support or prove theories and to communicate their ideas using appropriate vocabulary. Topics include linear, quadratic, exponential, logarithmic, and trigonometric relationships.

AP CALCULUS

Grades 11-12..... 1/2 credit

PREREQUISITE: Calculus/AP Calculus

The course is designed to take all of the course work in Calculus and use it to prepare students for the AP Calculus exam in May. This course will be offered in the third trimester after the completion of Calculus. Students will prepare by taking practice AP exams and review much of the calculus curriculum. After the AP exam students will engage in an authentic research project. **College credit may be earned by taking and passing the AP Exam.**

MATHEMATICS

CALCULUS/AP CALCULUS

Grades 11-12..... 1 credit

PREREQUISITES: Advanced Math A and B (or concurrent enrollment)

This course is designed to give students the necessary background to succeed in college level calculus course, test out of them, or prepare for the AP Test. Topics covered will include a pre-calculus review, functions and limits, differentiation, applications, and techniques of integration. This course is highly recommended for anyone entering technical fields or medical fields, business, engineering, or architecture. It is offered during the first and second trimesters.

GEOMETRY

Grades 9-10-11-12 1 credit

PREREQUISITE: Algebra 1

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations, right triangle trigonometry, and angle relationships. Inductive and deductive thinking skills are used in problem solving situations. It also emphasizes writing proofs to solve (prove) properties of geometric figures.

STATISTICS

Grades 11-12..... ½ credit

PREREQUISITE: Algebra II

This course will study the concepts of probability and statistical inference. Topics covered will include data summary, centers and variation, and statistical decision making. Statistics is recommended for students entering business or medical fields.

MUSIC

AMERICAN MUSIC

Grades 9-10-11-12 ½ credit

This course will cover the history of American music, composers, music styles (folk, jazz, rock, Broadway, hip hop, rap, heavy metal, classical, etc.), and musicians. Students will also study music in American cinema and television. This course is open to all students and should provide something interesting and fun for everyone.

BAND

Grades 9-10-11-12 ¾ credit

Band is open to grades 9-12. The band will have a planned instructional program for developing music skills and will include public performance and contest participation. There are many opportunities within this organization including color guard, drum line, pep band, jazz band and marching band along with honors ensembles and small ensemble opportunities. The band has traditionally traveled to perform pep band for the Minnesota Timberwolves and to concerts such as the UW-Madison Varsity Band Concert and continues to look for new opportunities. Each student will have individual lessons scheduled during school hours.

CHOIR

Grades 9-10-11-12 ¾ credit

Choir is an elective course open to grades 9-12. A variety of choral literature is rehearsed, studied and performed throughout the school year. Several concerts at school, in addition to choir festivals and contests, make up the year's performances. There are opportunities for small groups of select singers to participate in vocal jazz and various vocal ensembles. Group and individual voice lessons are given on a time available basis.

MUSIC THEORY I

Grades 9-10-11-12 ½ credit

This is an introductory course to music theory (the reading and writing of music). Students will explore basic concepts including clefs, note and rest values, time signatures, articulations and tempo, and dynamic markings through written work and hands on piano technique. Students will learn, through practice and performance, a basic repertoire of beginning to intermediate piano music. The course is especially geared for choir and band students who want to become better music readers but is open to all students.

MUSIC

MUSIC THEORY II

Grades 10-11-12..... ½ credit

PREREQUISITE: Music Theory I

Music Theory II is a follow up course to Music Theory I. This course will delve further into the aspects of chords, scales, intervals, and complex rhythms along with creating a musical composition using computer software. Music Theory II is limited to students who have successfully completed Music Theory I.

MUSIC THEORY III

Grades 10-11-12..... ½ credit

PREREQUISITE: Music Theory II

This course is a follow up to Music Theory II. Music Theory II will be studying more advanced music theory concepts including chords, minor scales, harmonizing, musical forms and composing and/or arranging music on computer. This course is limited to students who have already successfully completed Music Theory I and II.

SHOW CHOIR

Grades 9-10-11-12 ½ credit

PREREQUISITE: Concurrent Enrollment in Senior Choir

Show Choir is a class that incorporates singing, staging, movement and dance set to popular songs from American music from many eras. Students should have a high interest in music performance and also need to have concurrent enrollment in senior choir. Music performances, by the end of the trimester, are a major goal and one of the requirements of this class.

PERSONAL FINANCE

PERSONAL FINANCE

Grade 12..... ½ credit

Our complex marketplace demands educated consumers. This course encourages students to gain the information that will help them succeed in life—in the real world. Course concepts include personal money management strategies including how to plan, develop, use and maintain a personal budget, building and using personal wealth, credit and debt management, financial goals, saving and investing; consumer rights and responsibilities including advertising, marketing, laws and consumer protection organizations; and risk management including the role of insurance as a critical part of personal financial planning.

PHYSICAL EDUCATION

The high school physical education program is designed for students to gain an appreciation for the value of physical fitness and how fitness can positively impact daily living. This objective is met by developing concepts of organic efficiency, skill in performance, knowledge and understanding, and social interaction.

In addition, it is the intent of the Chetek-Weyerhaeuser High School physical education curriculum to offer a variety of fitness programs that provide knowledge and understanding of the long term wellness of our students in today's fast-paced, changing society. With these options, we hope to increase knowledge and interest by serving a varied population and provide an opportunity for growth, learning, and interaction among students with common interests and motivation.

FITNESS FOR LIFE

Grades 10-11-12..... ½ credit

This course is designed for those students who are interested in achieving overall fitness. Aerobic activity will be used as a method of achieving personal health and fitness. Different types of aerobic fitness will be taught such as step aerobics, medicine ball training, floor aerobics, Pilates, yoga, toning and strength training, weighted bar training, kettle ball training, stability ball exercises, and jump rope training. Students will learn basic principles of how to organize a personal fitness program and their own personal fitness goals. The classroom component of this class will allow students to understand the value of a nutritious diet, the different components of fitness, BMR, BMI, maintaining a healthy body fat percentage, injury prevention, and stress management. This will be done through class discussions and weekly journaling in a fitness journal.

PHY. ED. 9-10

Grades 9-10..... ½ credit

Physical Education 9-10 is a fitness-based course and is required for graduation. This course is designed to give our freshman and sophomore students an opportunity to develop in the areas of strength, flexibility, coordination, cardiovascular endurance, and team building. While developing these skills, students will be introduced to new, enjoyable activities that will enhance lifelong physical fitness. Students will explore these areas in the gym and in the classroom.

The main focus of this course is aerobic conditioning. We will spend a significant amount of class time achieving target heart rate. This will be accomplished through daily cardio workouts and game play. Depending on the season, some game play might include badminton, basketball, flag football, lacrosse, floor hockey, cooperative games, team handball, soccer, golf, and volleyball.

PHYSICAL EDUCATION

PHY. ED. 11-12

Grades 11-12..... ½ credit

Physical Education 11-12 explores activities that encourage all elements of fitness. This course is designed for upperclassmen in grades 11 and 12. Along with regular cardio development and traditional team sports, this class will introduce lifelong activities such as archery, bowling, cross-country skiing, swimming, and racquetball. Through each unit, information will be provided on game strategy, knowledge of proper exercise technique, and the importance of maintaining overall wellness.

WEIGHT TRAINING

Grades 9-10-11-12 ½ credit

Students who are interested in preparing themselves for specific sports may want to consider this elective. Specific weight programs will be followed with an emphasis on strengthening the total body. Tests and measurements will be used to note monthly improvements throughout the trimester.

SCIENCE

AGRI-SCIENCE – PLANTS, ANIMALS, AND YOU

Grades 9-10-11-12 ½ credit

This course will explore the career opportunities in the many fields of agriculture. The areas explored will be natural resource management, integrated pest management, biotechnology, water and soil management, forestry and wildlife management, aquaculture, crop and livestock management, and food science.

ANATOMY AND PHYSIOLOGY

Grades 11-12..... 1 credit

PREREQUISITE: Biology I

Anatomy and Physiology is a laboratory course designed to explore the major organ systems of the human body. It is an elective course recommended for those students who are considering a career in the health sciences, life sciences, or those just interested in the study of the human body. The course is structured for a student who is self-motivated and comfortable with a challenge. The content carefully balances structure and function to provide an integrated view of how the human body works. The following topics will be investigated throughout the two-trimester course: (1) An Introduction to the Structure and Function of the Body, (2) Chemical Constituents of the Cell (3) Tissues, (4) The Integumentary System, (5) The Skeletal System, (6) The Muscular System, (7) Digestive System, (8) The Respiratory System, (9) The Cardiovascular System. We will conclude the course with a dissection of a fetal pig.

Student evaluation will be based upon the topic readings, question responses, laboratory investigation, case study responses, eportfolio reflection and an examination after completion of each unit.

AP CHEMISTRY

Grades 11-12..... ½ credit

PREREQUISITE: Chemistry II/AP Chemistry

The course is designed to take all of the course work in Chemistry I and Chemistry II and use it to prepare students for the AP Chemistry exam in May. This course will be offered in the third trimester after the completion of Chemistry II/AP Chem. Students will prepare by taking practice AP exams and reviewing and expanding on much of the chemistry curriculum. If a student passes the AP chemistry exam, he/she will receive college credits for chemistry. **College credit may be earned by taking and passing the AP Exam.**

SCIENCE

AP BIOLOGY

Grade 11-12 1 ½ credits

PREREQUISITES: Biology I **and** Chemistry I

This course guides students to a deeper understanding of biological concepts including the diversity and unity of life, energy and the processes of life, homeostasis, and genetics. Students learn about regulation, communication, and signaling in living organisms, as well as interactions of biological systems. Students carry out a number of learning activities, including readings, interactive exercises, extension activities, hands-on and virtual laboratory experiments, and practice assessments. These activities are designed to help students gain an understanding of the science process and critical-thinking skills necessary to answer questions on the AP Biology Exam. The content aligns to the sequence of topics recommended by the College Board.

BIOLOGY I

Grade 10..... 1 credit

PREREQUISITE: Physical Science

Biology is the study of living things. Students will study the interactions of life and the interactions of living things with their environment. This is a laboratory course “studying living things” that encourages students to observe, question, and seek answers to the natural world around them both macroscopic and microscopic. The major themes of the course are 1) Unity Within Diversity, 2) Evolution, 3) Energy, 4) Homeostasis, 5) Systems and Interactions, and 6) Genetics and Heredity.

BIOLOGY II

Grades 11-12..... 1 credit

PREREQUISITE: Biology I

This laboratory course is designed for motivated science students who desire to gain more depth in topics of Biology. Students best suited for this class should have excelled in previous science classes. Biology II is a course designed to expand the students’ knowledge of the living organisms in this world. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning. Assessment of students will be done through class participation, group projects, individual projects, labs, homework, quizzes, and tests. Biology students will learn about many themes of biology including invertebrate animals, vertebrate animals, bioethics, theories of change, and how microorganisms cause disease.

SCIENCE

CHEMISTRY I

Grades 10-11-12..... 1 credit

PREREQUISITES: Biology I (or concurrent enrollment) **and** Algebra I

Chemistry is the study of the composition, structure, and properties of matter, the processes that matter undergoes, and the energy changes that accompany these processes. The course topics include scientific measurement, structure of the atom, quantum model of the atom, periodic properties and electron configurations, chemical bonding, chemical equations and reactions, stoichiometry, kinetic theory, gas laws, and properties of solutions. The course is designed to prepare students for future chemistry coursework and give students a better understanding of the natural world.

CHEMISTRY II/AP CHEMISTRY

Grades 11-12..... 1 credit

PREREQUISITE: Chemistry I

Chemistry is a gigantic area of study. This lab course starts with a review of some essential concepts and skills learned in Chemistry I, then branches out into topics such as Acid and Bases, Nuclear Chemistry, Organic Chemistry, Kinetics, Thermal Chemistry, Redox Reactions, Equilibrium and Electrochemistry.

This course is definitely recommended for students planning to take Chemistry or related courses in college, especially those majoring in the sciences. The course is also designed to prepare students to continue in the AP Chemistry course.

ENVIRONMENTAL SCIENCE

Grades 9-10-11-12 1 credit

Environmental science is a multi-disciplinary field that draws from all the sciences, as well as other fields, to study the relationships between humans and the world. The course will apply principles of pure science, such as chemistry, geology, mathematics, and biology to achieve an understanding of the natural world and resource use. The course will focus on three main areas: 1) conservation and natural resource protection, 2) environmental education, 3) communication and environmental research.

The school forest will be utilized as a study site and outdoor classroom. The course will provide an opportunity to practice techniques and instruments utilized in the study of ecology and environmental science.

SCIENCE

FORENSIC SCIENCE

Grade 12..... ½ credit

PREREQUISITES: Biology **and** Chemistry I

Forensic Science is a crime lab science. Even though crime seems to have increased, so has the ability to catch the criminals. This is due largely to the much-improved investigative methods of the investigators--the forensic scientists.

This course presents numerous opportunities to integrate knowledge accumulated from other courses, such as biological and physical sciences, mathematics, social sciences, and others. Students may expect activities such as these: studying state-of-the-art methods of analysis, examination of classic and unique criminal cases, and lab analysis of physical evidence (such as soil, hair, glass, fibers, "drugs," poisons, fingerprints, and ink).

NOTE: This does not count as a full lab science credit.

PHYSICAL SCIENCE

Grade 9..... 1 credit

This course, designed for the freshman level, involves the study of the physical world. It gives students a practical understanding of the scientific world to help meet graduation requirements and assessments.

The course will be divided into two major units: the study of fundamental physics and chemistry. Chemistry will involve the study of matter, including atomic structure, the periodic table, and chemical reactions. Physics will involve the study of forces, motion, and energy.

PHYSICS

Grades 10-11-12..... 1 credit

PREREQUISITE: Algebra II

Physics is the study of matter and energy. It is a required course for many professions ranging from architecture and engineering to many health related careers. Topics of study include motion, rocket flight, collisions, planetary motion, gravity, sound, light, magnetism, and electricity. Physics is a lab science and is required for admission to many programs of further study. Many of the labs completed are very in-depth studies of the above topics and integrate mathematics, science, technical writing, and the use of computer technology. **Physics is very dependent on the use of mathematics. Students must have a minimum of a scientific calculator.**

SCIENCE

SURVEY OF EARTH AND SPACE SYSTEMS

Grades 9-10-11-12 ½ credit

This course is an introductory earth science course. We will investigate the concepts of earth and space systems and their connections to the life and physical sciences. Students can expect an advanced study of the systems of earth and space and similarities throughout the universe. Student led research and projects will be major factors in course grades.

SOCIAL STUDIES

AMERICAN HISTORY

Grade 9..... 1 credit

This class will cover the second half of the 19th century through the present. The major events of emphasis will be Westward Expansion, Industrialization, Progressive Era, Imperialism, WWI, the Roaring Twenties, the Great Depression, the New Deal, WWII, the Cold War, Civil Rights Movement, Fall of Communism, and War on Terrorism.

AP U.S. GOVERNMENT

Grades 11-12..... 1 credit

PREREQUISITE: American History

This course presents an analytic perspective on American politics, covering the ideals, institutions, and processes that direct the daily operations of government and shape public policy. Students will examine the constitutional structure of government, participatory politics, the formal institutions of power, and the extra-constitutional influences on government institutions. Student will interpret and analyze the political landscape to develop an understanding of the strength and weaknesses of the U.S. system of government. This course addresses the following topics among others: American political culture, the Constitution, federalism, civil liberties, civil rights, public opinion, media, political parties, campaigns and elections, interest groups, Congress, the presidency, the federal bureaucracy, and the federal courts. Students selecting this course should have strong skills in reading and written composition. **This course may be taken as an alternative to Civics.**

CIVICS

Grade 12..... ½ credit

This is a one trimester course which explores the historical, cultural, and social importance of government in America. Local, county, state, and federal government will be thoroughly explored while emphasizing our rights, duties, privileges, and obligations as citizens in a free democratic society.

SOCIAL STUDIES

CURRENT ISSUES

Grades 10-11-12..... ½ credit

Not offered in 2017-18 – This course will be offered every other year, alternating with World Wars.

This course will examine international, national, state, and local issues that cover the wide spectrum of life in our constantly changing world. Each class day will explore current issues and the conflicts they create in our lives. Using magazines, IMC resources, television, and newspapers, students will study such topics as politics, conflict, the economy, lifestyles, social problems, and environmental concerns.

LAW AND THE STOCK MARKET

Grades 11-12..... ½ credit

This course will introduce the principles of law, the courts, and how the U.S. economy works through individual case studies and simulations. Students will learn to use law through a series of mock trials that emphasize constitutional rights and precedents. Strong speech and debate elements are required. Students not preparing for the weekly trial will alternately be independently working on economic principles using a study guide. A nine-week stock market simulation will run within the course. This social studies elective is recommended for students preparing for careers in law, banking, business, and public communication.

PSYCHOLOGY

Grades 11-12..... ½ credit

This course is designed for students who plan on attending a post-secondary institution. Students are expected to do outside readings, research, critical thinking, role playing, and hands-on activities to enrich the classroom instruction. Students will explore different theories which try to explain why humans behave the way they do. Specific units covered in this course are history of psychology and research methods, parts of the brain and how they affect behavior, how sensations influence human perceptions, comparing theories of learning, differing views of intelligence, elements of memory and forgetting, and abnormal behavior. This course will be offered every other year, alternating with Sociology.

SOCIAL STUDIES

SOCIOLOGY

Grades 11-12..... ½ credit

Not offered in 2017-18 – This course will be offered every other year, alternating with Psychology.

This course is designed to help students gain a better understanding of the forces that influence their daily behavior. It is meant for students who plan on attending a post-secondary institution.

Students will examine patterns of interactions based on social structures. Specific units that are covered in this course are theoretical approaches to society, elements of culture, socialization of individuals, deviant behavior of individuals, social stratification, racial/gender inequalities of America, and social institutions.

Students are expected to do outside readings and blogs, analysis of data, role playing, and hands-on activities to enrich the classroom instruction.

WORLD GEOGRAPHY

Grade 10..... ½ credit

In this required sophomore class, students continue to develop the social studies skills of comparing and contrasting, cause and effect relationships, researching, and interpreting charts, graphs, and maps. This class is more than locating places on a map. Students study the five themes of geography as they explore the following regions: Latin America, Northern Eurasia, Southwest Asia, Southeast Asia, and Africa. In addition to the five themes of geography, students will explore the five world religions, research 20th and 21st century world leaders, and be introduced to international organizations.

WORLD HISTORY-ANCIENT

Grade 10..... ½ credit

This required course provides a cultural, geographical, and historical overview of ancient world civilizations and an understanding of the western medieval period. Civilizations studied include but are not limited to ancient Egypt, Mesopotamia, Hebrews, India, Greece, and Rome. Philosophy and literature are components of this course.

SOCIAL STUDIES

WORLD HISTORY-MODERN

Grade 11 ½ credit

This required junior level course begins with a study of the European Renaissance and Reformation and leads the student on a thematic journey through modern history. Units of study in this course include Islam and the Middle East, Czarist Russia and the Soviet Union, China and Modern East Asia, and World Revolutions. The goal of this course is to provide an appreciation for humanity, as well as to understand the world as it applies to the student's future.

WORLD WARS

Grades 10-11-12..... ½ credit

This course is for any student interested in modern warfare. The wars that will be covered will include WWI and WWII, Korea, Vietnam, and the Gulf War. As presented, the course will concern itself with the causes of war, actual combat methods, main battles, and the effect war had on reshaping the face of the earth. This course will be offered every other year, alternating with Current Issues.

ON-LINE SOCIAL STUDIES COURSES

AP PSYCHOLOGY (ONLINE)

Grades 11-12..... 1 credit

PREREQUISITES: American History **and** Psychology

AP Psychology surveys the major topics in the field of psychology as well as terminology, methodology, and the historical and current understanding of human behavior and thought processes. Concepts, terminology, and research findings are presented at the level of an introductory college psychology course. Students learn how psychologists analyze human experiences and apply what they have learned. Organized in seven units, the course presents the following topics: introduction to psychology, the biological basis of behavior, human development and awareness, human cognition, human motivation and emotion, human interaction, and course review. The course prepares students to take the Advanced Placement Psychology exam.

SOCIAL STUDIES

AP WORLD HISTORY (ONLINE)

Grades 11-12..... 1 ½ credits

PREREQUISITES: World History-Ancient **and** World History-Modern

This course spans the Neolithic age to the present in a rigorous academic format organized by chronological periods and viewed through fundamental concepts and course themes. Students analyze the causes and processes of continuity and change across historical periods. Themes include human environment interaction, cultures, expansion and conflict, political and social structures, and economic systems. In addition to mastering historical content, students cultivate historical thinking skills that involve crafting arguments based on evidence, identifying causation, comparing and supplying context for events and phenomenon, and developing historical interpretation.

TECHNOLOGY AND ENGINEERING

Tech. Ed. Pathway Matrix				
Automotive/Small Engine Maintenance	Construction and Woodworking	Design and Engineering	Machining	Welding
Small Engines & Basic Auto	Intro to Woodworking	Computer Aided Design (CAD)	Metal Fabrication I	Metal Fabrication I
Metal Fabrication I	Computer Aided Design (CAD)	Advanced CAD & Prototyping <i>*Computer Aided Design (CAD)</i>	Computer Aided Design (CAD)	Intro to Welding <i>*Metal Fabrication I</i>
Intro to Welding <i>*Metal Fabrication I</i>	Advanced Woodworking <i>*Intro to Woodworking</i> <i>*Computer Aided Design (CAD)</i>	Metal Fabrication I	Turning Fundamentals A & B <i>*Computer Aided Design (CAD)</i> <i>*Metal Fabrication I</i> <i>*Geometry</i>	Computer Aided Design (CAD)
	Construction <i>*Introduction to Woodworking</i>	Pre-Engineering <i>*Computer Aided Design (CAD)</i>	Milling Fundamentals A & B <i>*Turning Fundamentals A & B</i>	Occupational Welding I <i>*Metal Fabrication I</i> <i>*Intro to Welding</i> <i>*Computer Aided Design (CAD)</i>
	Architectural Design		CNC Machining <i>*Milling Fundamentals</i>	Occupational Welding II <i>*Occupational Welding I</i>
				Occupational Welding III <i>*Occupational Welding II</i>
				Metal Fabrication II <i>*Occupational Welding II</i>

**REQUIRED PREREQUISITES*

TECHNOLOGY AND ENGINEERING

ADVANCED CAD AND PROTOTYPING

Grades 9-10-11-12 ½ credit

PREREQUISITE: Computer Aided Design (CAD)

Building upon skills acquired in the “Computer Design and Manufacturing” (CAD/Inventor) course, this course presents advanced topics in CAD software and combines them with rapid prototyping methods utilizing laser cutting and 3-D printing. After completing a final detailed design, students will carefully plan and build a professional quality appearance model of the project utilizing laser cutting and 3-D printing technology.

ADVANCED WOODWORKING

Grades 9-10-11-12 ½ credit

PREREQUISITE: Introduction to Woodworking **and**
Computer Aided Design (CAD)

This project-oriented advanced woodworking course is designed to increase students’ knowledge and experiences in the woodworking field. The students will learn advanced woodworking techniques. They will put their skills to the test by selecting an approved project, choosing the appropriate materials, and finally creating their projects. *Each student is responsible for the cost of his/her project/projects.* **Student taking this class will receive one (1) college level credit of advanced standing toward the following WITC course: 32410300 - Cabinet & Furniture Making 1.**

ARCHITECTURAL DESIGN

Grades 9-10-11-12 ½ credit

This course covers residential design with the use of CAD (Computer Aided Drafting) and 3D modeling software. Areas explored: home design, site design, construction methods, building materials, working drawings and presentation models. This is an excellent course for someone interested in a career in architecture, construction, engineering, or anyone who will own their home.

TECHNOLOGY AND ENGINEERING

CNC MACHINING

Grades 11-12..... ½ credit

PREREQUISITE: Milling Fundamentals

Students taking this course will learn programming and basic operations for a CNC (Computer Numerical Control) machining center. The students will interpret technical drawings and convert part features into a CNC program using common G and M codes and some canned cycles. Students will also learn how to call up programs, load and unload parts, set work and tool offsets, utilize conversational programming to machine products, and generate tool paths through CAM software.

COMPUTER AIDED DESIGN (CAD)

Grades 9-10-11-12 ½ credit

This is a fun and interactive class that teaches students to design and create objects using 3D design software. Everything that is manufactured starts with a design and this class will teach students how to create amazingly realistic parts. This course is an excellent choice for students interested in the drafting, engineering, or manufacturing fields.

CONSTRUCTION

Grades 9-10-11-12 ½ credit

PREREQUISITE: Introduction to Woodworking

This course provides students with an introduction to residential construction and remodeling projects. Student activities include management, estimating, carpentry, blueprint reading, safe tool operation, and general construction skills. Students will work together to create a variety of construction projects. This is a great class for someone interested in carpentry, general construction, architecture, or anyone who might want to build or design their own house someday.

INTRODUCTION TO WELDING

Grades 9-10-11-12 ½ credit

PREREQUISITE: Metal Fabrication I

This course is designed to familiarize students with the principles of welding and fabrication. Students will learn basic welding and metal fabrication concepts. Students will have the opportunity to complete welds using GMAW (wire feed welding) and SMAW (stick welding). Students will also learn to cut metal using an oxy-acetylene

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torch and a plasma cutter. **Students taking this class will receive one (1) college level credit of advanced standing toward the following WITC course: 32442307 - Welding for Mechanics.**

INTRODUCTION TO WOODWORKING

Grades 9-10-11-12 ½ credit

This project-oriented introductory woodworking course is designed to increase students' knowledge and experience in the woodworking field. Students will start with rough lumber and craft it into a project using basic woodworking joinery and techniques.

METAL FABRICATION I

Grades 9-10-11-12 ½ credit

This course guides the students through an exploratory process of metal fabrication. Students will be introduced to metals shop safety as well as equipment identification and use. Equipment emphasis will be placed on the metal lathe, milling machine, and an introduction to welding. Thermal cutting processes including CNC (Computer Numerical Control) plasma metal cutting will also be introduced and practiced. Students will learn about the variety of careers in the welding and metal fabrication industry. Technology related mathematics, reading, writing, vocabulary, and science are integrated throughout the trimester.

METAL FABRICATION II

Grades 11-12..... ½ credit

PREREQUISITES: Occupational Welding II

The main objective of this class is to complete a capstone welding project. The course is designed to use all of the skills learned in the students' previous welding classes. The students will plan, design, and build an approved project using proper fabrication and welding techniques. The students will need to demonstrate their ability to solve problems, organize materials, and complete a professionally fabricated product. Students will also be able to use class time to complete AWS certification tests.

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MILLING FUNDAMENTALS (2 Period Block)

Grades 10-11-12..... 1 credit

PREREQUISITE: Turning Fundamentals

This course covers the introduction to the milling machines. Emphasis is on knowing the machine parts, their function, and performing simple milling operations. Introductory subjects such as related safety, maintenance, metal cutting theory, cutting tools, and work holding for the mill will be taught. Students will learn the basics of metal cutting on these machines, so when they get to CNC machines, they can focus on the unique aspects of the computerized machine. **This is a Wisconsin Indianhead Technical College course. Students wishing to gain college credit will need to register with WITC. Upon successful completion of the course, WITC will award two (2) college credits.**

OCCUPATIONAL WELDING I (SMAW)

Grades 9-10-11-12 ½ credit

PREREQUISITES: Metal Fabrication I **and** Intro to Welding **and** Computer Aided Design (CAD)

This class is designed to build students' skills and knowledge of Shielded Metal Arc Welding (SMAW) or stick welding. The students will become proficient at stick welding in all positions. They will be able to read prints and fabricate parts to specifications. Students will practice and successfully pass weld bend tests while following standards set by the American Welding Society. Students will learn and implement different inspection techniques. Upon successful completion of the AWS standards within this course, students can earn a SMAW Level I AWS welding certification. The standards set by AWS are very high. It will take more than just passing the class to earn the AWS credentials. Students that earn this will have an industry recognized certificate. **Students taking this class will receive three (3) college level advanced standing credits, one credit for each of the following WITC courses: 31442373 – Shielded Metal Arc Welding 1, 31442376 – Oxy-fuel and Arc Cutting Processes, and 31442321 – Print Reading-Welding Trades.**

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OCCUPATIONAL WELDING II (GMAW)

Grades 10-11-12..... ½ credit

PREREQUISITES: Occupational Welding I

This class is designed to teach students the concepts and skills needed to perform different wire feed welding processes. The students will demonstrate their ability to fabricate accurate parts from a set of prints. Students will weld in multiple positions using several different forms of wire feed welding. Upon successful completion of the AWS standards within this course, students can earn a GMAW Level I AWS welding certificate. The standards set by AWS are very high. It will take more than just passing the class to earn the AWS credentials. Students that earn this will have an industry recognized certificate. **Students taking this class will receive one (1) college level credit of advanced standing toward the following WITC course: 31442370 – Gas Metal Arc Welding I.**

OCCUPATIONAL WELDING III (GTAW)

Grades 10-11-12..... ½ credit

PREREQUISITES: Occupational Welding II

This class is designed to build students' skills and knowledge of Gas Tungsten Arc Welding (GTAW). The students will weld using GTAW on carbon steel, stainless steel, and aluminum. The students will learn the information and concepts that are needed to perform GTAW at high levels. Upon successful completion of the AWS standards within this course, students can earn a GTAW Level I AWS welding certificate. The standards set by AWS are very high. It will take more than just passing the class to earn the AWS credentials. Students that earn this will have an industry recognized certificate. **Students taking this class will receive one (1) college level credit of advanced standing toward the following WITC course: 31442379 – Gas Tungsten Arc Welding I.**

PRE-ENGINEERING

Grades 10-11-12..... ½ credit

PREREQUISITES: Computer Aided Design (CAD)

This is a class offered for students who are interested in engineering or any career that might involve advanced problem solving. In this class, students will use engineering concepts, mathematics, and scientific principles to design solutions to complex real life problems. Students will gain knowledge of the design process and learn to research, document, and analyze technical problems.

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SMALL ENGINES AND BASIC AUTO (TRANSPORTATION)

Grades 10-11-12..... ½ credit

This course is designed to increase skills in engine diagnostics and repair. Students will gain understanding of complex concepts by disassembling, inspecting, and rebuilding a small engine. The course will then focus on automobile maintenance, diagnostics, trouble shooting, and repair of basic problems.

TURNING FUNDAMENTALS (2 Period Block)

Grades 10-11-12..... 1 credit

PREREQUISITES: Computer Aided Design (CAD) **and** Metal Fabrication I **and** Geometry

This course is designed to teach the beginner how to use the manual engine lathe. Students will learn about lathes, associated processes, lathe tools, and related safety/maintenance issues. The course will be taught as a two period block for one trimester. **This is a Wisconsin Indianhead Technical College course. Students wishing to gain college credit will need to register with WITC. Upon successful completion of the course, WITC will award three (3) college credits.**

COURSES OFFERED BY GRADE LEVEL

REQUIRED:			
Grade 9	Grade 10	Grade 11	Grade 12
English 9 American History Physical Science Algebra I or Geometry or Algebra II Teen Health Phy. Ed. 9-10 <u>Electives:</u> enough so that all periods are filled each trimester	English 10 World History-Ancient World Geography Biology I Geometry or Algebra II or Adv. Math Academic & Career Planning Phy. Ed. <u>Electives:</u> enough so that all periods are filled each trimester	American Literature or AP Language & Composition World History-Modern Social Studies Elective English Elective Algebra II or Adv. Math or ACT Math Science Elective Phy. Ed. <u>Electives:</u> enough so that all periods are filled each trimester	Civics or AP U.S. Government English 12 or AP Literature & Composition Personal Finance <u>Electives:</u> enough so that all periods are filled each trimester

Each student (9-12) must carry enough classes so each period is filled each trimester. These may include any of the electives listed below for your grade level. Any course may be taken in any year after it is first offered, if prerequisites are met. Students who drop a course at other than the teacher's request or permission after the first week will receive a failing grade.

ELECTIVES:

Grade 9	Grade 10	Grade 11	Grade 12
Advanced CAD & Prototyping* Adv.Computer Applications* Advanced Woodworking* Architectural Design Agri-Science American Music Band Ceramics I Ceramics II* Choir Drawing I Drawing & Painting II* Computer Aided Design (CAD) Construction* Computer Programming I Desktop Publishing Environmental Science Family, Foods & Society I Graphic Design Introduction to Business Introduction to Welding* Introduction to Woodworking Marketing I Metal Fabrication I Occupational Welding I* Music Theory I Painting I* Photography Phy. Ed. 9-10 Printmaking* Show Choir* Spanish I Spanish II* Survey of Earth & Space Systems Weight Training	Accounting* Advanced Math A* Advanced Math B* Chemistry I* Family, Foods & Society II* Fitness for Life Individual Relationships Marketing I* Milling Fundamentals* Music Theory II* Music Theory III* Occupational Welding II* Occupational Welding III* Parents & Children Pre-Engineering* Physics* Small Engines & Basic Auto Spanish III* Turning Fundamentals* World Wars	AP Biology* AP Chemistry* AP Language & Composition AP Psychology (Online) AP Studio Art AP U.S. Government * AP World History (Online) Anatomy & Physiology* Asst. Child Care Teacher Certification* Biology II* AP Calculus* Calculus/AP Calculus* Chemistry II/AP Chemistry* CNC Milling* Contemporary Perspectives Creative Writing Food Science* Health Issues Journalism Law & the Stock Market Metal Fabrication II* Phy. Ed. 11-12 Psychology Spanish IV* Statistics* Tech. Ed. Independent Study*	AP Literature & Composition Family & Consumer Science Work-based Learning* Forensic Science*

*Check the course description for prerequisites prior to registering for these courses.