

CTE/VOCATIONAL ELECTIVES

AFNR – Introduction To Agriculture, Food, and Natural Resource	2 Trimesters
Grades	9, 10, 11, 12
Prerequisite	None
Credit Type	Vocational/Occupational Ed/ CTE or Science

This course serves as the introductory course within the CASE Program of Study. The major purpose is to introduce students to the world of agriculture, the pathways they may pursue, and the science, mathematics, reading, and writing components they will use throughout the CASE™ curriculum. Students participating in the course will experience hands-on activities and lab-science projects and problems that involve the study of the science of agriculture, plants, animals, natural resources, and agricultural mechanics. The knowledge and skills students develop will be used in future courses within the CASE program. In addition, students will understand specific connections between their lessons and Supervised Agricultural Experience and FFA components that are important for the development of an informed agricultural education student. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. This course will prepare students for portions of the state mandated science exam. Students are encouraged to join FFA.

Advanced Plant Science	2 Trimesters
Grades	10, 11, 12
Prerequisite	AFNR or IPS
Credit Type	Vocational/Occupational Ed/CTE or Science

This course serves as a second year course within the CASE™ sequence. The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in plant science so that students may continue through a sequence of courses through high school. Students will work in teams, exploring hands-on projects and activities, to learn the characteristics of plant science and work on major science lab projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers and producers, and plant research specialists face in their respective careers. This course will prepare students for portions of the state mandated science exam. Students are encouraged to join FFA. Course may be taken as dual credit through CBC to earn 5 credits of Hort 202 Cultivated Plants.

Hort 100	1 Trimester
Grades	10, 11, 12
Prerequisite	None
Credit Type	Vocational/Occupational Ed/CTE

This course deals with a variety of horticulture areas including, plant classification, cell and plant structure, growth and reproduction, beginning floral arrangement, apple judging, apple and grape production, plant propagation, greenhouse management, keeping plants healthy, pesticides, frost control, marketing technology and sales, processing technology, and computer use in horticulture. Participation in FFA is encouraged.

Advanced Animal Science	2 Trimesters
Grades	10, 11, 12
Prerequisite	AFNR or IPS
Credit Type	Vocational/Occupational Ed/CTE or Science

This course is intended to serve as second year course within the CASE™ sequence. The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in animal science so that students may continue through a sequence of courses through high school. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major science lab projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers. This course will prepare students for portions of the state mandated science exam. Students are encouraged to join FFA. Course may be taken as dual credit through CBC to earn 5 credits of Ag 102 Animal Science.

Agriculture Technology	1 Trimester
Grade	10, 11, 12
Prerequisites	AFNR & Teacher Permission
Credit Type	Vocational/Occupational Ed/CTE

Agriculture technology is a course that is intended to teach students about soil science and agronomy technology, as well as, the tools necessary for agribusiness management. Students will learn the skills necessary in order to classify land and make conservation decisions. They will learn important factors in developing land for homesite and municipal use. Topics in agronomy will include apple and grape production. Agribusiness topics to be covered will include commodity marketing, risk management, personal finance, and farm management. Students are encouraged to join FFA.

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Farm Metals I	2 Trimesters
Grade	10, 11, 12
Prerequisites	None
Credit Type	Vocational/Occupational Ed/CTE
Shop safety, tool identification, beginning shop skills (arc, MIG, oxy-acetylene, cutting torch), forge work, small sheet metal project, Plasma cam applications and metal fabrication may be covered. Students are encouraged to join FFA.	

Ag Power and Technology	2 Trimesters
Grade	10, 11, 12
Prerequisites	AFNR or IPS
Credit Type	Vocational/Occupational Ed/CTE or Science
The focus of Agricultural Power and Technology (APT) is to expose to students to mechanics, power, technology, and career options in the world of agriculture. Students participating in the APT course will have experiences in various mechanical and engineering concepts with exciting hands-on activities, projects, and problems. Student's experiences will involve the study of energy, tool operation and safety, material properties, machine operation, and structural components. Throughout the course, students will apply the engineering principles to the construction of machines and structures. Students will explore projects and problems similar to those that a mechanic, technician or engineer may face in their respective careers. In addition, students will understand specific connections between science, math, and technical skills that play an important role developing an informed agricultural education student. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. This course will prepare students for portions of the state mandated science exam.	

Ag Woods I	2 Trimesters
Grade	9, 10, 11, 12
Prerequisites	None
Credit Type	Vocational/Occupational Ed/CTE
Woodworking is a study of woods and wood processes, related operations, products, pricing of materials, and occupations coupled with training in the use of hand and power tools. Knowledge is acquired in these skills through simple projects. Nine weeks of theory in classroom are also included. A combination of classroom and shop time is used to explore this technology through projects. Students are encouraged to join FFA.	

Ag Woods II	2 Trimesters
Grade	10, 11, 12
Prerequisites	Material Processing I
Credit Type	Vocational/Occupational Ed/CTE
More detailed and difficult operations in the use of power machines, special processes, and pricing of materials will be covered in this class. Students will craft and construct detailed wood projects. Greater experimentation in research and design into the projects will be encouraged. Students are encouraged to join FFA.	

Health Occupations	3 Trimesters
Grade	11, 12
Prerequisites	Biology & Interview Process
Credit Type	Vocational/Occupational Ed/CTE
The class is designed so that students can learn medical terminology, anatomy, physiology, legality, confidentiality, professionalism, safety, communication, student leadership, and job-seeking skills. This course is for those students who have chosen career paths such as nursing, nurse's assistant, dental technician, veterinary assistant, physical therapy, sports medicine, or medical records clerk. This class combines academic preparation in the classroom supervision internships. This course will take place at Prosser Memorial Hospital under the direction of the Health Occupations Coordinator and the high school CTE Director. This course is limited to students accepted through the Prosser Memorial Hospital Application and Interview Process.	

Pre-CADD	2 Trimesters
Grade	9, 10,
Prerequisites	None
Credit Type	Vocational/Occupational Ed/CTE or Art

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CADD	2 Trimesters
Grade	9, 10, 11, 12
Prerequisites	C or better in Algebra
Credit Type	Vocational/Occupational Ed/CTE or Art
<p>This course is the study and use of basic Mechanical Drafting and Architectural Drafting & Design techniques. Students will begin the course by learning the basics of the software AutoCAD. Once students have become familiar with AutoCAD, they will start an introduction to Mechanical Drafting. Applied Geometry and Orthographic Projection will be included in this portion of the course. Proper hand sketching techniques will be explored at this time. Next, the students will be introduced to Residential Architectural Drafting and Design. Students will be using AutoCAD Architecture as the software for this portion of the course. Industry standard design criteria will be introduced to the students, including building codes, banking requirements, traffic flow and wood structure design. The final component of the course is 3D Solid Modeling. The software the students will use is Rhino 3D. Non-uniform rational b- splines will be introduced to the students. Solid Modeling design techniques will be explored at this time. Skills USA provides opportunities for Leadership Development, Community Service and competitive Skills and Leadership Contests at the Regional, State and National level.</p>	

Web Design	2 Trimesters
Grade	10, 11, 12
Prerequisites	Microsoft Office Specialist 1 with C or better
Credit Type	Vocational/Occupational Ed/CTE or Art
<p>A course designed to teach students how to build and manipulate websites, design and create graphics, incorporate multimedia into webpages, and upload websites for public viewing. Students will learn how to write and use HTML 5 Coding and CSS 3 coding and making user-friendly websites. They will also learn Graphic Design and advanced skills in Adobe Photoshop, Illustrator, and Fireworks as well as creating Adobe Flash movies.</p>	

Microsoft Office Specialists 1	1 Trimester
Grade	9, 10, 11, 12
Prerequisites	None
Credit Type	Vocational/Occupational Ed/CTE
<p>Students will learn skills that will help them in school, college, and the workplace. Core skills in Microsoft Word and PowerPoint are covered to prepare students to take the Microsoft Office Specialist Exams. Students who take this course will have the opportunity (in class) to take the Microsoft Office Specialist exams that are developed and offered by Microsoft to certify individuals in their programs. These exams are offered for FREE at Prosser High School when they normally cost \$90 or more. These certifications are recognizable all over the world and are an amazing advantage for students. Course may be taken as dual credit through CBC to earn 2 credits of Computer Science 107 Intermediate Word Processing.</p>	

Microsoft Office Specialists 2	1 Trimester
Grade	9, 10, 11, 12
Prerequisites	Microsoft Office 1 with a C or better
Credit Type	Vocational/Occupational Ed/CTE
<p>Students will learn skills that will help them in school, college, and the workplace. Core skills in Microsoft Excel, Access, and Outlook are covered to prepare students to take the Microsoft Office Specialist Exams. Students who take this course will have the opportunity (in class) to take the Microsoft Office Specialist exams that are developed and offered by Microsoft to certify individuals in their programs. These exams are offered for FREE at Prosser High School when they normally cost \$90 or more. These certifications are recognizable all over the world and are an amazing advantage for students. Course may be taken as dual credit through CBC to earn 2 credits of Computer Science 108 Intermediate Spreadsheet.</p>	

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MIC COMP AP (SWAT)	3 Trimesters
Grade	9, 10, 11, 12
Prerequisites	None
Credit Type	Vocational/Occupational Ed/CTE
<p>Mic Comp AP (SWAT), or Students with an Attitude for Technology, is a program designed to give students advanced technological training, applied on the job experience, and the opportunity to use higher level critical thinking and problem solving skills, while providing the district with assistance in managing the hundreds of computers and peripherals throughout the district. Students gain professional technology experience while assisting the school district with hardware and software related problems. The district gains enthusiastic technical assistance by students who have learned to troubleshoot basic computer problems and suggest probable solutions. Students can enroll in SWAT during any period of the day. Students must also attend the weekly seminars on Wednesdays from 4:00-5:00. There is also a before school seminar option. Students are admitted into the SWAT program based on a written application, personal references, and an interview.</p>	

Business English	2 Trimesters
Grade	11, 12
Prerequisites	English I & II
Credit Type	Vocational/Occupational Ed/CTE or *English
<p>Students enrolling in this class will learn to communicate for success. Students will be blending thinking skills, speaking, listening, and composition tasks, all interwoven in a manner that prepares them for the world of work outside the classroom. These skills are essential to success in any career. Students are encouraged to join FBLA. *This course satisfies an English requirement for graduation if student has met the ELA state testing standard. Does not meet NCAA core for English based class.</p>	

Financial Algebra	2 Trimesters
Grades	11, 12
Prerequisite	Foundations and Teacher Approval
Credit Type	Math or Vocational/Occupational Ed/CTE
<p>Financial Algebra introduces students to the application of algebraic thinking patterns and functions in a financial context. In this class we will explore topics such as the stock market, business models, banking services, consumer credit, automobile ownership, taxes, independent living, retirement, and preparing a budget. Students can take this class as a math or a vocational credit. Course may be taken as dual credit through CBC to earn 5 credits of Business 120 Personal Finance.</p>	

Consumer Economics	1 Trimester
Grade	11, 12
Prerequisites	None
Credit Type	Vocational/Occupational Ed/CTE or Social Studies
<p>Economics is the study of how individuals, families, communities, and nations make choices regarding their use of scarce resources to fill their needs and wants. Students will study their roles in market society, including the areas of taxes, insurance, financing, budgets, and the Federal Reserve. This course meets the senior social studies elective requirement. It does not meet requirement in Social Studies for college admission.</p>	

Personal Finance	1 Trimester
Grade	11, 12
Prerequisites	None
Credit Type	Vocational/Occupational Ed/CTE or Social Studies
<p>Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets, simulate use of checking and savings accounts, demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.</p>	

Interior Design	1 Trimester
Grade	10, 11, 12
Prerequisites	Family & Consumer Science
Credit Type	Vocational/Occupational Ed/CTE or Art
<p>Students learn about housing decisions and alternatives, as well as the selection and care of furnishings and appliances. Students will create a number of interior design projects including model houses of their choice. Computer simulations will also be used. Students are encouraged to join FCCLA.</p>	

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Clothing and Fashion Design	1 Trimester
Grade	9, 10, 11, 12
Prerequisites	Consumer & Family Science
Credit Type	Vocational/Occupational Ed/CTE
<p>In this course students will explore the influences on clothing choices and dig deeper into fibers and textiles to evaluate performance and appeal. Weaving and dyeing fabric will be investigated. Students will practice and demonstrate apparel design skills and construct a project using various sewing skills and equipment.</p>	

Advanced Foods	1 Trimester
Grade	10, 11, 12
Prerequisites	Family & Consumer Science
Credit Type	Vocational/Occupational Ed/CTE
<p>Students will study and practice meal planning, preparation, and serving techniques in relation to nutritional needs of all ages and other cultures with emphasis on efficient use of time, energy, and money. Consumer problems, careers, equipment, and kitchen planning are also included. Hands-on food preparation is the predominate method of instruction. Students are encouraged to join FCCLA.</p>	

Cultural Foods	1 Trimester
Grade	9, 10, 11, 12
Prerequisites	Consumer & Family Science
Credit Type	Vocational/Occupational Ed/CTE
<p>Cultural Foods introduces students to the way in which the geography, cultures and traditions of different countries influences food choices. Students will identify and prepare foods from various countries to compare cuisines, investigate ingredients used, as well as preferred cooking methods. Students will also examine the issues and conditions that affect the availability and quality of food in the global market. Through this investigation students will understand and appreciate diverse cultures.</p>	

Family and Consumer Science	1 Trimester
Grade	9, 10, 11, 12
Prerequisites	None
Credit Type	Vocational/Occupational Ed/CTE
<p>This is an exploratory course consisting of seven areas of study: 1) Consumer skills; 2) Personal and family relationships; 3) Growth and development of children as well as parenting skills; 4) Purchasing and sewing clothing; 5) Food production, safety and nutrition; 6) interior decorating; 7) applying leadership skills to family and community life. Numerous forms of new technology are integrated within the units. Students wishing further study in one of the seven areas should enroll in the preparatory courses after completing the exploratory course. Students are encouraged to join FCCLA.</p>	

Child Development	1 Trimester
Grade	9, 10, 11, 12
Prerequisites	Consumer & Family Science
Credit Type	Vocational/Occupational Ed/CTE
<p>This course will cover growth and development of children from conception to early school age. Students learn concepts in child education through the teaching of developmentally appropriate practices. The pregnancy simulator and electronic babies are used in the class.</p>	

Business Procedures	3 Trimesters
Grade	11, 12
Prerequisites	Microsoft Office User Specialist
Credit Type	Vocational/Occupational Ed/CTE
<p>As a Business TA you will be able to: learn and understand procedures related to being a teacher's assistant. Learn professionalism in performing your duties as a teacher's assistant that will follow you into the workplace. Along with weekly assignments you are also required to attend one TA seminar a month. Criteria: Students can only be a TA for 1 academic year, current accumulative GPA is 2.7 and above, attendance will be a determining factor, must have taken at least one semester of MOUS, complete application form, agree to an entrance interview with the supervising teacher if you have never been a student in any of the teacher's classes. This fulfills an elective credit or a CTE credit.</p>	

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Administrative Support Services	1 Trimester
Grade	11, 12
Prerequisites	English I & II
Credit Type	Vocational/Occupational Ed/CTE
<p>This course generally prepares students to perform the duties of administrative assistants. Includes instruction in business communication, business law, word processing and data entry, office machines operation and maintenance, office procedures and business etiquette, public relations, filing systems and records management, and report preparation.</p>	

Career Choices	1 Trimester
Grade	11, 12
Prerequisites	Junior or senior status
<p>This is a course that focuses on the linkage between individual capabilities and needs and the job market. Career Choices allows students an opportunity to explore and develop employability skills, career awareness, and occupational knowledge that prepares them for success in the workplace. Students will focus on career pathing along with creating cover letters and resumes, and learning how to conduct themselves as professionals.</p>	

Intro to Marketing	2 Trimesters
Grade	11, 12
Prerequisites	None
Credit Type	Vocational/Occupational Ed/CTE
<p>This course is designed for students who would like to go into the marketing and business fields. Students learn the fundamentals of marketing and basic business principles, including promotion, distribution, economics, human relations, finance management, and entrepreneurship. Student leadership opportunities will be available through FBLA. Course may be taken as dual credit through CBC to earn 5 credits of Business 265 Marketing Principals.</p>	

Sports and Entertainment Marketing	1 Trimester
Grade	11, 12
Prerequisites	None
Credit Type	Vocational/Occupational Ed/CTE
<p>Sports & Entertainment Marketing is designed to teach marketing concepts through the sports and entertainment industry. Students will develop a fundamental knowledge of marketing that relates sports and entertainment industries, and career possibilities available in the industries. The basic functions of marketing, product/service management, distribution, selling, marketing information management, financing, pricing, and promotion will be covered. In addition to marketing overview, this course is designed to show how advertising, sales, and event marketing and communications are important.</p>	