

Oakdale Joint Unified School District Agriculture and Natural Resources Sector

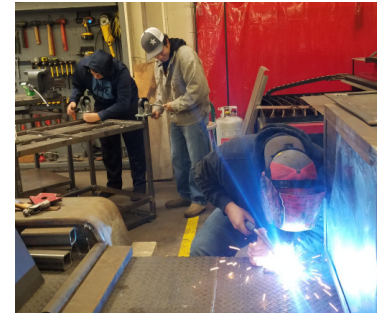
Agriculture is an important and integral part of the OHS experience. Many of our students come from agriculture backgrounds. OHS has over 300 students taking Ag classes with many students having more than one Ag class. The Ag curriculum parallels the regular science curriculum. Freshmen may take Agriscience Earth (Earth Science), and sophomores may take Agriscience Biology (Life Science). These courses parallel the state curriculum and align with state standards. These courses also meet UC/CSU A-G entrance requirements in their respective areas. This will help Ag students do well on state tests.

Once students have the basics, they move on to other Ag electives. These elective include Floral Design, Leadership, Horticulture, and Advanced Ag Mechanics --where students learn to weld and to work on individual projects related to agriculture.

Due to funding requirements, students who sign-up for Ag classes are encouraged to participate in FFA. FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. The agricultural education program provides a well-rounded, practical approach to learning through three components: Classroom education, hands-on supervised agricultural experiences and FFA, which provides leadership opportunities and tests students' agricultural skills.

Course Offerings

- Ag Biology and the Living Earth
- Ag Chemistry in the Living Earth
- Intro to Ag Mech 14507
- Advanced Ag. Mech & Weld 14521
- Ag Welding and Fabrication 14557
- Floral Design I 14540
- Floral Design II 14541
- Horticulture 14570
- Ag Government/Economics 14595
- Animal Science (pending approval)



Student FFA Activities

- Leadership
- Livestock Judging
- Ag Sales and Service
- Ag Mechanics
- Marketing
- Stanislaus County Fair
- Best Informed Greenhand
- Opening/Closing Ceremonies
- Proficiency Awards
- Creed Speaking
- Parliamentary Procedure
- Food Science
- Equine Science
- Ornamental Horticulture
- Vet Science
- Floriculture

Staff Members

Ed Hartzell
Matt Marshall
Isaac Robles
Grace Tobias

Sample Pathways

Ag Bio and Liv Earth	Ag Chem in Earth Systems	
Floral I	Floral II	Horticulture
Intro Ag Mech	Adv Ag Mech	Ag Weld and Fab

AG BIOLOGY AND THE LIVING EARTH



Credits: 10
CSF III

Grade: 9-12
UC/CSU: D

Sustainable Agriculture is a one year course designed to integrate biological science practices and knowledge into the practice of sustainable agriculture. The course is organized into four major sections, or units, each with a guiding question. Unit one addresses the question, What is sustainable agriculture? Unit two, How does sustainable agriculture fit into our environment? Unit three, What molecular biology principles guide sustainable agriculture? Unit four, How do we make decisions to maximize sustainable agricultural practices within a functioning ecosystem? Within each unit specific life science principles will be identified with agricultural principles and practices guiding the acquisition of this knowledge, culminating in the development of a sustainable farm model and portfolio of supporting student research.

Prerequisite:

AG CHEMISTRY IN THE LIVING EARTH



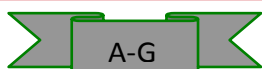
Credits: 10
CSF III

Grade: 10-12
UC/CSU: D

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Prerequisite:

ANIMAL SCIENCE (pending approval)



Credits: 10

Grade: 11-12
UC/CSU:

This course will provide the student with principles in Animal Science focusing on the area of mammalian production, anatomy, physiology, reproduction, nutrition, respiration and genetics. This course is intended to successfully prepare those students who plan on majoring in Agricultural Sciences at a college or university. Frequent opportunities are given to develop and apply rational and creative thinking processes of observing, comparing, organizing, relating, inferring, applying and communicating. Also, there is an emphasis on developing values aspirations and attitudes that promote the student's understanding personal involvement with the scientific discoveries of the future. There are ample opportunities for hands on class participation with animals in this class to enable students to demonstrate their knowledge of restraint, handling, behavior, etc.

Prerequisite: Students must be previously enrolled in other agriculture classes to take this class.

FLORAL DESIGN (Introduction)



Credits: 10
CSF III

Grade: 10 – 12
UC/CSU: F

Students in this course will apply an artistic approach to floral design. Students will explore elements and principles of design; two and three dimensional designs; history of floral art; arrangement styles and techniques; and seasonal, holiday, and occasional designs. Students will achieve this through creating, designing, identifying, explaining and evaluating all topics of study. This course meets graduation requirements as a visual/performing art.

Prerequisite: none

FLORAL DESIGN II (Capstone)

Credits: 10
CSF III

Grade: 11 – 12
UC/CSU:

In this course, Floral Design I students will progress their individual skills in dimensional designs, arrangement styles, and floral techniques and increase their capabilities through creating, designing, identifying, explaining and evaluating all topics of study. Students will learn merchandising of floral arrangements and the importance of cost analysis and marketing. This course meets graduation requirements as a visual/performing art.

Prerequisite: Successful completion of Floral Design I

INTRODUCTION TO AG MECHANICS (Introduction)

Credits: 10
CSF III

Grade: 9-12
UC/CSU:

This course is designed for students interested in understanding basic agriculture mechanical skills. Units of instruction include shop safety, tool identification, use of power tool equipment, wood working, metal working, and electricity and plumbing. Instruction is also given in FFA leadership, citizenship, and career education. This course fulfills one year of elective credit.

Prerequisite:

ADVANCED AG MECHANICS AND WELDING (Concentrator)

Credits: 10
CSF III

Grade: 10 – 12
UC/CSU:

Students will develop skills in advanced woodworking, arc, mig, tig and oxy-acetylene welding, project design/construction, and basic hydraulics. Individual student projects can be built when basic welding skills are mastered. FFA leadership, project activities, and record keeping are integral parts of the course. This course earns one year of elective credit.

Prerequisite: Completion of Ag Mechanic Skills or signature of the teacher.

AG WELDING & FABRICATION (Capstone)

Credits: 20
CSF III

Grade: 11 – 12
UC/CSU:

This class is designed to give the students maximum shop time for building and repairing agriculture equipment and constructing other projects. Units of instruction are given in advanced aspects of welding instruction. Students must have plans for their own building projects or be prepared to work on projects assigned by the instructor. Instruction units on project design and ordering materials will be included. This is a two-hour class and may be taken for two years for elective credit. FFA leadership projects and record keeping activities are an integral part of this course.

Prerequisite: Successful completion of Advanced Ag Mechanics

AGRICULTURE GOVERNMENT/ECONOMICS



Credits: 10
CSF I

Grade: 12
UC/CSU: A (Gov)/
G (Econ)

This course is designed for students interested in understanding the operations and institutions of economic systems as applied to our nation's largest industry, agriculture. Units of instruction include basic economic behavior and international trade policy. This course will also review how our government was developed and how it functions. Agriculture policy in our government structure will be reviewed. Instruction is also given in leadership, citizenship, and career education. This class meets the government/economics requirements for graduation.

Prerequisite: Signature of teacher required. Students must be previously enrolled in other agriculture classes to take this class.

HORTICULTURE



Credits: 10
CSF III

Grade: 9-12
UC/CSU: G

This course will provide the student with theories and principals related to environmental and ornamental horticulture. This course is designed to successfully expose students to both the environmental and botanical nature of horticulture. This course is intended to develop an appreciation of horticulture, incorporate scientific methods and biological principals within the environment, understand plant functions and uses, and recognize the diversity of life and the interrelationships among organisms in nature.

Prerequisite:

Career and Technical Education

The California Career Technical Education (CCTE) model curriculum standards are organized in 15 industry sectors, or groupings, of interrelated occupations and broad industries. Each sector has two or more career pathways. A career pathway is a coherent sequence of rigorous academic and technical courses that allows students to apply academics and develop technical skills in a curricular area. Career pathways prepare students for successful completion of state academic and technical standards and more advanced postsecondary course work related to the career in which they are interested.

- Agriculture & Natural Resources
- Arts, Media & Entertainment
- Building Trades and Construction
- Education, Child Development, and Family Services
- Energy & Utilities
- Engineering & Design
- Fashion and Interior Design
- Finance & Business
- Health Science and Medical Technology
- Hospitality, Tourism & Recreation
- Information Technology
- Manufacturing & Product Development
- Marketing, Sales, and Service
- Public Services
- Transportation

Course Offerings

- Auto Technology I Basic Theory 15511
- Auto Technology II Diagnosis and Service 15141
- CTE Auto Technology III Service Technician 15161
- Fine Wood Working I 15312
- Advanced Fine Wood Working 15322
- Mechanical/Drafting I 15415
- Mechanical Drafting II 15413
- Architectural Design II 15423
- CTE Computer Aided Drafting 15425
- CTE Hospital Health Occupations 15511
- CTE Culinary Arts I
- CTE CS Web Design
- AP Computer Science Principles 14090
- AP Computer Science A
- Computer Science Discoveries
- Work Experience 16000
- CCAP Fire Science 1 and EMS Pathway
- CCAP Guidance 1 and 11

Sample Pathways

Auto I	Auto II	Auto III	
Fine Wood I	Adv Fine Wood		
CS Discoveries	CS Web Design	AP Comp Sci Principles	AP Comp Sci A
		Hospital/Health Occ.	Hospital/Health Occ
Mech/Arch I	Mech Draft II Arch Design II	Computer Aided Drafting	
		Culinary Arts	Culinary Arts

Staff Members

Dave Bacigalupi
 Josh Bennett
 Ryan Berg
 Steve Jericoff
 Joe Gilbert
 Bryon Karamchandani
 Brent Rodriguez
 Allen Whittier



Career Opportunities

Graphics	Programmer	Designer	Construction
Mechanic	Fabricator	Chef	Nurse
Gaming	Analyst	Product Mgr.	Furniture Design
	Engineer	Architect	Web Design

CAREER AND TECHNICAL EDUCATION

Unless otherwise noted, all courses in this section fulfill one year of elective credit or high school Visual and Performing art requirement for each class period taken.

Transportation Sector

The OHS Auto Technology program is particularly strong because it is based on experience from the real life world of auto dealerships and is designed into a comprehensive three-part program: Auto I, Auto II, and Auto III. Auto I focuses mostly on the theory of internal combustion engines, their operation and adjacent components. Although this course relies on the use of a Chrome Books with internet based textbook, later in the year students go into the shop to become acquainted with hand tools and safety procedures. Auto II moves students into repair and diagnosis of components. Students do more shop work than book work. Students taking Auto for only one or two years will come away with an understanding of automobiles, their maintenance and can do simple work themselves. Taking a car to a repair shop, students will be knowledgeable about what is involved. When asking for something, students will know what they are asking for and will be sure to get it. Auto III is a two-period class organized like a regular shop with students writing work orders, learning timetables for each job and learning about cost. Students do actual repairs for their own cars and others. Students taking the whole program (Auto I through III) will be prepared to get an entry level position in an auto repair facility or will be ready for a junior college or technical school program.

The National Institute for Automotive Service Excellence (ASE)

The National Institute for Automotive Service Excellence (ASE) Entry-Level certification tests are designed to indicate a satisfactory level of practical knowledge-based readiness for the workforce in candidates seeking a career in the automotive service industry. ASE Entry-Level certification tests are available for the Automobile, Collision Repair/Refinish and M/H Truck segments (series). ASE Entry-level certification is the first step in building career credentials as an automotive service professional.

All seniors and Auto Technology III students have the opportunity to take and pass the ASE Entry-level Certification. ASE is a nationally recognized Credential



AUTO TECHNOLOGY I BASIC THEORY (Introduction)

Credits: 10
CSF III

Grade: 9 - 12
UC/CSU:

This is a basic course to teach the workings of the automotive four-cycle American engine, automotive history, safety, hand tools, and information about careers. Shop experience includes driver information, task work, as well as some entry-level job skills. Safety tests and work clothes (coveralls preferred) are required. This is an excellent course for all drivers of automobiles. Students should have an interest in operation of automobile engines.

Prerequisite: Interest in operation of automobile engines.

AUTO TECHNOLOGY II DIAGNOSIS & SERVICE (Concentrator)

Credits: 10
CSF III

Grade: 10 - 12
UC/CSU:

The emphasis of this course is on diagnosis and factory recommended repair and service of the American engine and drive trains. There will be class work as well as shop work. The majority of class time will be spent in shop. Safety tests and work clothes are required.

Prerequisite: "C" in Auto Tech I, teacher signature required.

AUTO TECHNOLOGY III (Capstone)

MJC articulated course with AUTECH 311 – Basic Automotive Systems with Oakdale High School and Modesto Junior College. The articulation will be valid through summer 2023.

Credits: 20
CSF III

Grade: 11 - 12
UC/CSU:

This is a two-period class and functions as a live shop experience and is recommended for the career-minded student as well as the home enthusiast. Opportunities are provided for students to practice skills learned in Auto I and II, but the emphasis in this class is on perfection of entry-level job skills and knowledge of more complex procedures. Job orders and time clocks are used, and competency testing is a part of this course. Coveralls are required as well as participation in the Occupational Olympics. This class may be repeated for credit. All seniors and Auto Technology III students have the opportunity to take and pass the ASE Entry-level Certification. ASE is a nationally recognized Credential

Prerequisite: "C" in Auto Tech II, teacher signature required.

FINE WOOD WORKING I (Introduction)



Credits: 10
CSF III

Grade: 9 - 11
UC/CSU: F

This is a basic introductory course to woodworking using all power tools. Seven specific projects are required (such as building a shelf, cutting board, & decorative box). The course covers safe use of power tools and gluing and finishing of projects. During the second semester, students will be allowed to create their own projects upon completion of required projects. They can also personalize projects with a high-tech wood engraver.

Prerequisite: Interest in woodworking.

ADVANCED FINE WOOD WORKING (Capstone)

Credits: 10
CSF III

Grade: 10 - 12
UC/CSU:

Second year class students will have two advanced required projects (such as building an end table and building something larger within a group project). Upon completion of the required projects, students will be allowed to work on their own independent projects. Students will be working more independently with all power tools. They will also learn how to use the wood engraver.

Prerequisite: "C" in Fine Wood I, teacher signature required.

ENGINEERING AND ARCHITECTURE SECTOR

Drafting classes help to prepare students for careers as engineers, drafts persons, architects, interior and landscape designers, etc. Students wishing to explore these careers and many others would benefit from taking drafting. Drafting students complete individual projects as they develop skills. Some of the practical skills taught in drafting find their way into other classes. With more teachers asking students to make presentations that include graphics, skills learned in drafting can be readily applied.

The drafting curriculum is both philosophical and practical. Philosophically, drafting teaches students to think and learn in different ways. Drafting students learn to visualize and work in a graphic language. Drafting also aims at the practical. Skills learned in drafting may be valuable when students own and remodel their own homes or enter careers that use drafting or graphics.

The first-year curriculum emphasizes technical drawing, exploring the shapes of objects, and learning to make two-dimensional drawings. Shapes progress to the third dimension, and in later classes students explore architecture. Advanced students move on to more complicated problems and develop full sets of plans that are good enough to be submitted for building permits. Advanced students use AutoCAD and Auto Desk after becoming proficient with the traditional drafting tools.

MECHANICAL DRAFTING TECHNOLOGY /ARCHITECTURE I (Introduction)

Credits: 10
CSF III

Grade: 9 – 12
UC/CSU:

The first semester students learn to describe the shape and size of objects by drawing to scale. Basic drafting practices and the use and care of instruments are stressed. Students get to learn and read blueprints as well as the pictorial representation of drawings.

Prerequisite: Students should have an interest in Mechanical Drafting.

MECHANICAL DRAFTING TECHNOLOGY II (Capstone)

Credits: 10
CSF III

Grade: 10 – 12
UC/CSU:

Students review the basic areas of mechanical drawing. Auxiliary views, mechanical constructions, fasteners, use of tables, handbooks, etc. are used to further develop mastery of detailed drawings. Students are challenged to use a variety of skills, and learn to be resourceful and take the initiative in proceeding with their work. Students are allowed to take advanced mechanical drafting for up to three years.

Prerequisite: “C” in Mechanical Drafting I, teacher signature required.

ARCHITECTURAL DESIGN II (Capstone)



Credits: 10
CSF III

Grade: 10 – 12
UC/CSU: F

This is a specialized course designed to improve students’ ability in pictorial representation of architectural and artistic drawings and sketches. An emphasis is placed on the history of art, architecture, and design. Students are shown how art and architecture have been tied together throughout history and still are in today’s world. This course meets the OHS graduation and the CSU/UC eligibility requirement for visual/performing art.

Prerequisite: Architectural Design I and teacher signature required.

CTE - COMPUTER AIDED DRAFTING

Credits: 10
CSF III

Grade: 11 – 12
UC/CSU:

This is an instructional program designed to prepare students to use computer technology to plan, prepare, and interpret mechanical, architectural, structural, and other sketches. Students will use reproduction materials, equipment and processes and will develop, plan, and process charts and drawings. Students also have the opportunity to experience and create video game design programs with Unity and Games Factory 2, along with 3-D printing with MakerBox and CubePro Duo technology Meets graduation requirement for visual/performing art.
Prerequisite: “C” in Mechanical Drafting I, teacher signature required.

CTE - CULINARY ARTS I

Credits: 10
CSF III

Grade: 11-12
UC/CSU:

This course prepares students for entry-level occupations as assistant cooks, bakers, salad makers, cafeteria workers, food servers, cashiers, and/or institutional dish-up persons. A major emphasis is on service and care and maintenance of equipment. commercial kitchen safety and sanitation, as well as knife skills. Plus, all students receive their ServSafe Food Handlers certification which is required by law to work in the food industry. Meets graduation requirement for visual/performing art.
Prerequisite:

STUDENT SERVICES

TEACHER'S AIDE

Credits: 10
UC/CSU:

Grade: 11-12

BUSINESS OFFICE AIDE

ATTENDANCE OFFICE AIDE

COUNSELING OFFICE AIDE

LIBRARY AIDE

VICE PRINCIPAL'S OFFICE AIDE

MAIN OFFICE AIDE

Teachers can use help setting up equipment, organizing, filing, photocopying, etc. Office aides assist school personnel in the daily functioning of the offices. Aides must be exceptionally responsible and punctual. Students dismissed from an aide position for misconduct, poor performance, or bad attendance may receive a WF grade.

Prerequisite: Junior or senior status, good attendance and discipline record, and teacher or office supervisor signature required. **Students must be academically eligible (2.0 or higher GPA and no more than one “F” or Unsatisfactory citizenship mark on second semester grades) unless otherwise noted in I.E.P. Students are able to aide for one period during the school day.**

ELEMENTARY SCHOOL HELPERS

Credits: 20

Grade: 11 - 12
UC/CSU:

For students who enjoy working with younger kids and considering becoming a teacher, this course allows the student to work at one of the Oakdale elementary schools. Students will be assigned to a teacher and help with hundreds of things elementary teachers do every day. Students must provide their own transportation. This class may be retaken for credit and is taken for a two-period block.

Prerequisite: Minimum GPA of 3.0 and no more than 10 absences during the previous academic year. Administrator or Counselor signature required.

COMPUTER LAB TUTOR I & II

Credits: 10

Grade: 11 – 12
UC/CSU:

Enjoy helping other students? Like computers and computer software then being a computer tutor is for you! Tutors support and encourage students in learning word processing, business knowledge, spreadsheets, programming, graphics, and presentation software. Additionally, tutors provide help organizing, filing, and correcting student work.

Prerequisite: Signature of instructor.

MATH TUTOR

Credits: 10

Grade: 11 – 12
UC/CSU:

For students who excel in math and enjoy working with their peers, this course requires daily interaction between the tutor and 9th grade students enrolled in an Algebra support class. The role of peer tutors is to circulate throughout the room, help monitor individual understanding, and offer assistance where needed—their purpose is not secretarial in nature. This course counts for elective credit.

Prerequisite: Junior or senior status, good attendance and discipline record. Math teacher signature required. “B” or better in Math II both semesters.

CTE - HOSPITAL HEALTH SERVICES OCCUPATIONS (CONCENTRATOR/CAPSTONE)

Credits: 20
CSF III

Grade: 11 - 12
UC/CSU:

1. Must have interest in a career in the medical field.
2. Must be physically and emotionally able to carry out the duties of the area(s) in which assigned.
3. Must have or develop good attendance, have a physical exam and TB skin test before entering hospital areas, and be willing to comply with rules governing hospital employees.
4. Provide own transportation.
5. Must have a district-provided car permit or walking permit.
6. Counselor recommendation.
7. Must purchase a uniform.
8. Flu Shot is required.
9. Hepatitis B immunizations are necessary for safety in areas where exposure to blood or body fluids is possible.

Approximately the first 9 weeks of this two-period program held at Oakdale High School are spent with core curriculum such as anatomy and physiology, medical terminology, HIPAA legal and ethical concerns, infection control, vital signs, CPR and computer skills required to work as a health care assistant. The remainder of the course is spent learning aide/assistant skills in one or more of the following areas: Radiology, physical therapy, nutrition, communication skills, emergency services, pharmacy, optometry, laboratory, equine/veterinary dietary medicine, dental, etc.

Prerequisite: Must have written permission of the instructor.

MEDICAL TERMINOLOGY

Credits: 10

Grade: 9 - 12
UC/CSU:

The introduction of the Medical Terminology course is designed to introduce students to a new language of medical terminology. Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the body as a whole. Utilizing a systems-approach, the student will define, interpret, and pronounce medical terms relating to the structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Upon successful completion of the course, students will be able to comprehend a medical record report, communicate with medical professionals and have a high-level overview of medical terms.

Major Units of Study: Basic Word Structure, Suffixes and Prefixes, Medical Specialists and Case Reports, Body Systems and Diagnostic Tests and Procedures

CTE - AP COMPUTER SCIENCE PRINCIPLES



Credits: 10

Grade: 10– 12

UC/CSU: D

NCAA

Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. Participation in student leadership activities will be a required element of this course including participation in Occupational Olympics.

Prerequisite: Successful completion of Computer Science Discoveries.

CTE - AP COMPUTER SCIENCE A



Credits: 10

Grade: 11-12

CSF III

UC/CSU: C

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

Recommended for Success: completion of AP Comp Sci Principles and/or concurrent enrollment in Math III.

CTE - CS WEB DESIGN



2 + 2

Credits: 10

Grade: 10-12

CSF III

UC/CSU: G

CS Web Design is an introductory project-based course that builds career and key digital communication skills in the context of the professional web design and development process. Students will learn web page design and beginning programming with the coding languages HTML, CSS, and JavaScript. Students will develop a basic understanding of web and graphic design principles and the user/software/hardware interface, as well as understanding the logical process of computer problem solving. Understanding, critical thinking, and problem solving skills related to programming will be developed as students get an introduction to the fields of web development, graphic design and computer science.

Students will learn web page design (Adobe Dreamweaver), photo editing (Adobe Photoshop), and illustration design (Adobe Illustrator), to create projects that will be published in printed and digital formats. These various projects include web pages, posters, tickets, programs, trailblazer cover, and t-shirt designs. Students enter artwork into contests throughout the school year. Participation in student leadership activities will be a required element of this course, including participation in Occupational Olympics. By the end of this course, students will have an opportunity to earn the following industry-recognized Adobe Certified Professional certifications: Web Authoring using Adobe Dreamweaver, Visual Communication using Adobe Photoshop, Graphic Design and Illustration using Adobe Illustrator.

Prerequisite: Successful completion of Computer Science Discoveries, or other introductory computer course.

STUDENT GOVERNMENT LEADERSHIP



Credits: 10
CSF III

Grade: 10 – 12
UC/CSU: G

This class is only for elected student body and class officers, and students will be assigned to this class after student body elections. Students must be leaders, want to develop leadership skills and be willing to work hard to improve the school. Students will help plan and carry out student activities at OHS.

Prerequisite: Teacher signature required. Must be a student body officer. Minimum 2.5 GPA required.

WORK EXPERIENCE

Credits: 10
CSF III

Grade: 11 – 12
UC/CSU:

Welcome to the world of work. For students under age 18, a Work Permit is required and can be obtained from the Work Experience teacher. Signing up for Work Experience class allows a student to work up to 40 paid hours per week and receive 5 or 10 elective credits per semester. Students must attend a 35-minute class once every week and complete work-related assignments outside of class. The class and related assignments help students to understand rules and regulations dealing with work, paychecks, taxes and how to obtain and hold a job. It is the student's responsibility to find a job. This job must be a legal, supervised job that provides a pay stub and Workman's Compensation Insurance. This course does not fulfill the high school graduation requirement for Visual and Performing Arts.

Prerequisite: Junior or Senior status and must be academically eligible. Signature required from Work Exp Teacher.

COMPUTER SCIENCE DISCOVERIES

Credits: 5
CSF III

Grade: 9-12
UC/CSU:

Computer Science Discoveries (CS Discoveries) is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun.

Prerequisite:

COLLEGE AND CAREER ACCESS PATHWAY (AB 288)



Credits: 5 credits/ **College Units:** varies .5-3
Grade: 11 – 12
UC/CSU: CSU transferrable

CCAP college courses held on the high school campus open only to Oakdale High School students. These courses are designed for students who wish to pursue higher education while completing their high school graduation requirements. They are designed to assist students in securing a job or advance in a demand industry or occupation. Juniors and seniors can be admitted into the program through an application process.

FIRE 1 - Fire Protection Organization

Introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection; fire loss analysis; fire department as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. Not repeatable. Transfer: (CSU)

EMS 157 - Emergency Medical Responder & CPR

An entry-level course designed for firefighters and other emergency workers who will respond to medical emergencies ahead of ambulance transportation. Focuses on stabilization of ill or injured patients prior to arrival of more advanced life support. This course meets the basic requirements for most volunteer fire agencies as well as some paid fire departments. Not repeatable. MJC equivalent: (EMS 350)

GUIDE 8 - Introduction to College

Explore the resources and tools needed to take charge of your educational experience and maximize your academic success. Identify successful college behaviors, Columbia College support resources, general expectations of college culture, and college pathway options. Students will gain an understanding of educational planning and transfer processes and, according to their needs and goals, each student may complete an educational plan with a counselor individually, in a group, or online. Not repeatable. MJC equivalent: (GUIDE 110) Transfer: (CSU)

GUIDE 11 - Occupational Exploration

An introduction to occupational exploration and career choice. Emphasis will be on linking personal information (interests, values and abilities) obtained through career assessment with information about occupations, researched by using Career Center and online resources. Career choices will be clarified and corresponding and appropriate educational goals will be selected. Students will receive instruction in goal setting, decision making, and problem solving as they relate to the development and fulfillment of educational and career plans.

Not repeatable. MJC equivalent: (GUIDE 111) Transfer: (CSU)