

## **ENGLISH**

### **English I – 1 credit**

**Prerequisite:** None

Students will explore a variety of genres of literary and informational text and writing. The goal is to prepare students for standardized testing, upper level classes, the workforce, and college. Students will be reading and analyzing fiction, non-fiction, student-generated materials and media communications. This course is designed to give students a basic knowledge of literary concepts, grammar, writing skills, spelling and vocabulary in addition to developing critical thinking skills. Students will be tested on their knowledge of the reading materials. Writing assignments will be graded on the Six Traits rubric..

### **English I Extended – 1 elective credit and 1 English credit**

**Prerequisite:** None

Students will cover the same concepts as English I but at a slower pace. This course will provide additional practice for those students who struggled in English I. This is a year long class.

### **English II – 1 credit**

**Prerequisite:** English I with at least 70%

Students will explore a variety of genres of literary and informational text and writing. The goal is to prepare students for standardized testing, upper level classes, the workforce, and college. Students will be reading and analyzing fiction, non-fiction, student-generated materials and media communications. Students will become familiar with public speaking, study skills, and organizational skills as well as extending critical thinking skills. Students will be tested on their knowledge of the reading materials. Writing assignments will be graded on the Six Traits rubric.

### English III – 1 credit

Prerequisite: English II with at least 70%

Students will focus on American writers as early as the first known Americans, the Native Americans, to the present day American writers. Students will engage in a study of poetry, short fiction, non-fiction and novels. In order to understand the reading materials, students will produce essays, informal and formal oral presentations, reading logs and reaction journals, and exercises in grammar and critical reading and writing. Students will continue to extend their critical thinking skills. Students will be tested on their knowledge of the reading materials. Writing assignments will be graded on the Six Traits rubric.

### English IV-1 credit

Prerequisite: Pass English III with at least 70 %

Students will explore literature and writing for the purpose of sharpening critical thinking skills. Literature will consist of many genres such as short stories, novels, epic poetry, non-fiction, informational text, and drama. Research papers, literary analysis, expository, persuasive, and creative works will be accomplished and graded using the “Six-Traits of Writing” rubric. Students will practice the proper use of grammar, usage, and punctuation and will practice oral communication skills.

### English 101(3 Cochise College credits or ½ honors credit for senior English)

Prerequisite: Pass Honors English III with at least 70 %

English 101 is a Cochise College English composition class taught at THS. Students will practice the process of writing, learning various organizational methods and patterns. Students will also complete a documented research paper utilizing numerous sources. A review of grammar, usage, and punctuation will also occur. An option is that students must pass the Cochise College Accuplacer and pay in order to receive college credit in English 101. Completion of the English 101 class **will not** give the student a senior credit in English; however, completion of English 101(fall semester) and English 102(spring semester) will fulfill the requirement for honors senior English, for Gold Diploma, and give the student a total of six Cochise College credits as well.

English 102 (3 Cochise College credits or  $\frac{1}{2}$  honors credit for senior English)

**Prerequisite:** Pass English 101 with at least a 70%

English 102 is a continuation of English 101, focusing on argumentation, analysis, and persuasion. Practice of grammar, usage, and punctuation will continue as well. Completion of English 102 will give the student  $\frac{1}{2}$  honors credit in senior English and another three Cochise College credits.

**SOCIAL STUDIES**

World History– 1 credit

**Prerequisite:** None

Studying ancient civilizations is one of the most fascinating areas of all human history. As we learn more about those who have come before us, we understand more about ourselves in this modern age and how we have come to be. From empires to city-states, the historical civilizations from around the world have each made a contribution to the development of mankind.

We will be studying World History from a Western Civilization perspective. The areas to be covered include: Early Civilization, Egyptians, India & China, Greeks & Romans, the Civilizations of the Americas, Middle Ages, Renaissance and up to the French Revolution, along with current events that have happened in the past as well as in the present. In this course students will continue to develop their reading, writing, and critical thinking skills that will provide leverage and value in other academic disciplines and provide enduring skills for life beyond high school. To paraphrase the late philosopher, George Santayana, “Those who cannot remember the past are condemned to repeat it.”

**Text Book:** World History Prentice Hall by Elisabeth Gaynor Ellis & Anthony Esler (currently the book can be viewed on line).

### US/AZ History– 1 credit

**Prerequisite:** World History

Students analyze the human experience through time, recognize the relationships of events and people and interpret patterns, themes, ideas, beliefs, and turning points in Arizona and American History. This course is designed to give students a survey of the history of the United State from ancient to present day with a focus on the many wars involving Americans. Three research projects are required of each student (1) Presidential Report (2) Historical Era Project (3) Historical Book Report. These projects will involve outside research, composition of papers, and presentations of the students' materials to the class. Current Events and map work are an important part of the class.

### US/AZ Constitution – $\frac{1}{2}$ credit and lasts for 9 weeks

**Prerequisite:** World and US/AZ History

Students understand the ideals, rights, and responsibilities of citizenship and the content, sources, and history of the founding documents of the United States with particular emphasis on the Constitution and how the government functions at the local, state, national, and international levels. This course covers the philosophical and historical foundations of the American political system. Students will be prepared to participate in the voting process upon attaining voting age. Simulations and debates will be an important part of the class. Students will participate in the following: One mock trial (a simulation of a complete jury trial), a City Planning Board simulation, and a Senate Hearing simulation. Three projects are required of each student: (1) Amendment poster/paper (2) Term paper (3) Supreme Court Case paper. There will be a field trip to the Bisbee Court House. Current events will play an important part of this class. This class is a combined semester class with Economics.

### Economics – $\frac{1}{2}$ credit and lasts for 9 weeks

**Prerequisite:** World and US/AZ History

Students develop economic reasoning skills to apply basic economic concepts, assess problems, make choices, and evaluate the choices of others as consumers, workers, and citizens participating in local, national, and global economies. This class is a combined semester class with US/AZ Constitution.

## MATH

### Algebra I A – 1 credit

**Prerequisite:** None

This course covers basic algebraic concepts such as data and patterns, matrices, rational numbers, exponents and radicals, inverse operations, probability and statistics, expressions and operations. The primary objective of this course is to solve equations and solve inequalities.

### Extended Algebra I A – 1 elective credit and 1 Math credit

**Prerequisite:** None

This year long course is the same concepts as Algebra I A, only at a slower pace to reinforce the basic skills. This course will provide additional practice for those who struggle Algebra 1 A.

### Algebra I B – 1 credit

**Prerequisite:** Pass Algebra IA with a “C” or better or equivalent test.

This course is an in depth study of linear and quadratic functions, and their systems of equations and inequalities. This course also covers operations with polynomials and factoring polynomials.

### Geometry – 1 credit

**Prerequisite:** Algebra I A & B with a 70% or better or equivalent test.

This course covers the topics of reasoning, proof and logic, congruency and similarity, characteristics of lines and polygons, perimeter, area, surface area, volume, circles, and an introduction to the six trigonometric functions.

### Algebra II – 1 credit

**Prerequisite:** Geometry with a 70% or better or equivalent test.

This course is a continued study of Algebra concepts including polynomial equations, matrices, linear and quadratic systems including their

inequalities, exponential and logarithmic functions, rational functions, complex numbers, and analytical geometry.

**Advanced Math with Trigonometry (Pre Calculus) – 1 Honors Credit**

**Prerequisite:** Algebra II with a 80% or better or equivalent test.

This course covers the polar coordinates, the six trigonometric functions, their graphs, their inverses, and real world problem solving. This course also covers polynomial functions, hyperbolas, vectors, complex numbers, and systems of functions.

**Calculus I Introductory – 1 Honors credit**

**Prerequisite:** Advanced Math with Trigonometry (Pre Calculus) with a 80% or better or equivalent test.

This course covers functions, limits and continuity, tangent lines and rates of change, the derivative with the chain rule and implicit differentiation, integration, and sigma notation. Included in this coursework is real world application using maximum and minimum values of a function, finding the area between two curves, volume using application of integration, as well as, work and force.

**SCIENCES**

The five THS science courses are all correlated to the current Arizona State Standards. Common Core literacy standards are integrated throughout the semester. Algebraic concepts are used throughout all courses to quantify concepts. Students will apply the concepts that they learn in lecture with “hands-on” activities ranging from standard laboratory exercises to real-world problems. Students will develop their written and verbal communication skills by writing scientific documents, including lab reports and by preparing for and presenting their research. Safe laboratory practices and procedures are stressed and all students will be held accountable for any infraction of these. Scientific history is an essential element in development of scientific thought and practice and is integrated into the curriculum of each class.

**Active Physics – 1 credit****Prerequisite: None**

Active physics is an introductory physics class that requires only basic algebra. Physics concepts covered are principles of motion, work and energy, heat and temperature, waves, sound and light, electricity and magnetism. Students participate in hands-on activities to reinforce their understanding of basic concepts. Activities are documented using scientific/technical writing. In-class presentations prepare students to communicate scientific information verbally and in writing.

**General Science – 1 credit****Prerequisite: None**

General Science is an introductory science class that requires only basic algebra. Depending on the instructor, the course can involve any or all of the physical sciences including, chemistry, physics, and earth and space science. Necessary concepts for all physical sciences include: structure and composition of matter and the forms energy takes and how it is converted from one to another. Students participate in hands-on activities to reinforce their understanding of basic concepts. Activities are documented using scientific/technical writing. In-class presentations prepare students to communicate scientific information verbally and in writing.

**Biology – 1 credit****Prerequisite: General Science and Algebra A**

Biology is a laboratory-based course that allows students to explore living systems and their relationships to the world. Subject matter includes cell structure and function, genetics, evolution, and ecology. Students are expected to develop written and verbal communication skills by writing scientific documentation and researching and preparing presentations.

### Physics – 1 credit

**Prerequisite:** Algebra A and B

Physics is a laboratory-based on physical concepts using higher mathematics designed to prepare student for college/university level physics. Hands-on learning occurs subsequently or concurrently with these concepts. A review of pertinent mathematical concepts is also provided. Essential physics concepts include mechanics, properties of matter and interaction of matter and energy, sound and light, and magnetism and electricity. Activities develop students written and verbal communications skills. All students will write formal laboratory reports. Another requirement is that all students must do research on a physics topic and present their findings to the class in a format provided by the instructor.

### Chemistry – 1 credit

**Prerequisites:** Algebra A and B

Chemistry is a laboratory-based science course that prepares students for college/university level chemistry. Chemistry is the study of matter. Topics include physical and chemical properties and changes, atoms, isotopes, molecules, acids and bases, and chemical reactions, including oxidation-reduction reactions. Students write formal and informal laboratory reports. They will do a research paper and present information about chemistry topics.



## **ELECTIVES**

### **FINE ARTS**

#### **Band – 1 credit**

**Prerequisites:** None

This course is for students of all skill levels, including those who have not played an instrument before and would like to learn. This course is performance-based; expect several performances outside of school hours. Students will be assessed on participation in class and punctual attendance of performances. Students are given opportunities to express themselves through music and contribute to a sense of community. Students will improve their understanding of music theory and appreciation of music from all periods in music history.

#### **Chorus – 1 credit**

**Prerequisites:** None

This is a course for students who enjoy singing and would like to improve their vocal skills, both individually and in an ensemble setting. This course is performance-based; expect several performances outside of school hours. Students will be assessed on participation in class and punctual attendance of performances. Students will have an opportunity to receive individual and group instruction. Students will contribute to a sense of community with their fellow choir members. Students will improve their understanding of music theory. Students are encouraged to explore and express themselves musically in an encouraging setting.

#### **Drama – 1 credit**

**Prerequisites:** None

Drama I & II will provide an overview of the theater as an art form: its nature, elements, genres, styles, and techniques. Course content is based on the idea that knowledge of theater—whether as an active participant, reader of good plays, or audience member—is a good way of enriching the human experience.

### Art I – 1 credit

**Prerequisite:** None

Art 1 is a beginner's course focused mainly on developing studio skills. Students will be introduced to an array of different mediums ranging from graphite to modeling clay. I stress the fact that I do not grade on talent and prefer to see visual progress rather than purely grading on aesthetics. Subject matter begins with it being my choice and gradually moves to being the students pick. The reason for this is because I prefer the student to create art that they like and would want to keep and showcase at home. The class is beneficial to anyone either looking to showcase talents or simply express themselves using different means.

### Art II – 1 credit

**Prerequisite:** Art I

Art II is a further elaboration on the previous course. Students are given complete freedom to both choose their subject matter as well as alter themes and in some cases the directions of certain assignments. Medium choice is also left up to the discretion of the student as they develop more of a preference and specialty in any given area. Grading is moved more towards ambition and further away from simple participation. This class is more for the student who has a genuine interest in art and its impact on the world they live in.

### Basic Ceramics and Manipulation of materials

**Prerequisite:** None

Within basic ceramics students will learn to create both organic and geometric shapes using multiple tools. Students will work primarily in clay but will also become familiar with other related materials. Students will have portions of history as well as a term paper. The class is somewhat self passed with a flexible number of projects being due by semesters end. Students will work combined with self chosen subject matter as well as those chosen by myself.

## **FOREIGN LANGUAGE**

### **Sign Language I & II – 1 credit each**

**Prerequisite:** None

In sign language students are given an alternative to the common foreign language choices. In both classes the students are introduced to new vocabulary each week and tested on retention and performance at the conclusion of each. The class is primarily silent with games and in class assignments meant to further develop skills conducted daily. The class is beneficial to any student seeking an alternative foreign language as well as insight into the history and culture of the deaf and hard of hearing world.

### **Spanish I – 1 credit**

**Prerequisite:** 2.5 grade point average

This course provides a basic foundation for future Spanish classes. Emphasis is placed on vocabulary acquisition, present tense grammar, and reading and writing practice. Students are exposed to audio and video recordings and are required to speak in class daily, occasionally performing formal and informal skits. Most major universities require two years' of foreign language study.

### **Spanish II – 1 credit**

**Prerequisite:** Grade of 75% in Spanish I or permission from the instructor

This course builds on the foundation established in Spanish I. The course includes past and future tenses as well as more advanced grammatical concepts. There is continued emphasis on reading, writing, listening and speaking. Most major universities require two years' of foreign language study.

### Spanish III – 1 Honors credit

**Prerequisite:** Grade of 75% or better in the preceding course or permission from the instructor

This course is designed for students with a strong interest in foreign language study. Spanish III places heavy emphasis on grammar and speaking. Students will also be introduced to basic Spanish literature and cultural studies. Students should be aware that high level language study is recommended for entrance into competitive universities.

### Spanish IV – 1 Honors credit

**Prerequisite:** Grade of 75% or better in the preceding course or permission from the instructor

This course is designed for students with a strong interest in foreign language study. Spanish IV continues to develop grammar and speaking abilities and places heavy emphasis on literature. Students should be aware that high level language study is recommended for entrance into competitive universities.

## **GENERAL**

### **Geography–1 credit**

This course has three important curriculum goals. The first is to provide students with knowledge about the physical and human geography of our world. The second is to enable students to enhance their understanding and interrelatedness of the world's regions and cultures. The third goal is to provide instruction and practice to students in developing their basic map skills, writing skills and other general social skills. In addition to these three goals, the course has the broader goals of expanding students' global outlook, celebrating diversity and promoting multicultural awareness.

### Journalism I – 1 credit

**Prerequisite:** English I with at least 70%

This course will include a strong emphasis on developing media literacy in the students, along with building essential writing and vocational skills. This will be an independently-based workshop that will focus on formulating and improving student publications, including the yearbook, student newspaper, graphic design, journalistic ethics, technical writing, and interview techniques, as well as critical thinking and analysis.

### Journalism II, III, and beyond – 1 credit each

**Prerequisite:** prior journalism course with at least 70%

In addition to other course activities, advanced students will also function as mentors for beginning students, taking responsibility for some tutoring and teaching in the class. The level of responsibility will increase with each semester.

### Written Expressions I – 1 elective credit

**Prerequisite:** English I with at least 70%

Through intensive writing and editing practice in the short story genre, students will learn to use language and writing conventions with great care and precision in ways that truly convey the ideas they intend to express. The student's final project is submission of a carefully-edited short story for publication in the class anthology. Stories will be graded on the Six Traits rubric.

### Written Expressions II – 1 elective credit

**Prerequisite:** Written Expressions I with at least 70%

Advanced students will function as mentors for beginning students, taking responsibility for some tutoring and teaching in the class. Advanced students will focus on planning and writing fewer but longer works and will submit a final short story for publication that is significantly longer than that required for beginners. Stories will be graded on the Six Traits rubric.

### Sports Activity -1 credit

**Prerequisite: None**

This class introduces a wide variety of fitness concepts and games that will be interesting, fun, and can be used as lifetime sports in the future. Skills and rules are taught so the student has some knowledge and understanding of how the game is played. Emphasis is placed on good sportsmanship in order to teach the student to be a responsible, honest, and fair person. Grades are based on attendance, dressing out, participation, attitude, sportsmanship and knowledge of each sport. Team Sports include volleyball, basketball, speedball, hockey, kickball, flag football, dodge ball and whiffle ball. The Dual Sport is table tennis. Individual Sports include exercise, weight lifting / jogging and basic fitness concepts. This class is not geared for athletics, but rather towards an atmosphere which is non-threatening and enjoyable for all students in this class.

### Advanced Sports Activity-1 Credit

**Prerequisite: Sports Activity**

This course is a continuance of the activities introduced in the Sports Activity class. It is designed to develop an understanding of a wide range of diverse activities that will enable the student to remain active throughout life. A variety of team and individual sports are played.

### Weightlifting/Jogging-1 Credit

**Prerequisite: Sports Activity**

The objective of this course is to strengthen the mind and body of students and introduce basic concepts of physical fitness. During this course, the students will learn to properly perform weight lifting exercises that by routinely completing will allow him/her to increase lean body mass and overall strength. Basic weightlifting and aerobic running techniques will be introduced to help the student develop a sound physical fitness program in order to meet his or her individual needs. All students will be required to fill out a workout packet and complete physical fitness testing during the semester. Grades are based on attendance, dressing out, participation, attitude, and knowledge of the different weightlifting equipment as well as the body parts that each lifts target.

## **CAREER TECHNICAL EDUCATION**

### **JROTC**

**Prerequisite:** None

The JROTC curriculum consists of both mandatory and elective Program of Instruction topics according to the Leadership/Education/Training (LET) level in which enrolled. Topics for LET Levels 1–8 have been planned and approved by the US Army's Cadet Command (USACC) at FT Knox, KY. Cadets incur no obligation to join the military as a result of their enrollment in JROTC. The JROTC Curriculum may be viewed in its entirety at the Cadet Command Website: <http://www.usarmyjrotc.com>

### **Career Exploration – 1 credit**

**Prerequisite:** None

Career Exploration is the foundation experience within the Career and Technical Education (CTE) Delivery System supporting the successful transition to high school Career and Technical Education Career Preparation programs. The Arizona Department of Education, approved curriculum framework is aligned with the Arizona Workplace Standards, Arizona Technology Standards, and the National Career Development Guidelines. It introduces students to the *States' Career Clusters* as well as providing opportunities for instruction supported by a flexible learning environment, appropriate technology and support systems. The standards address career exploration and core skill development common to **virtually all occupations**.

### **Carpentry Core – 1 Credit**

**Prerequisite:** None

Carpentry Core Curriculum is defined as an instructional experience that provides an understanding of occupations involved in the design, production, processing, assembling, testing, maintaining, servicing, and repairing the goods. This class provides students with a wide range of educational experiences, including an introduction to construction careers, customary and metric measurements, drafting principals and basic woodworking techniques.

### **Cabinetmaking I & II – 1 credit each**

**Prerequisites:** Sophomore, Junior or Senior; Carpentry Core Curriculum

The Cabinetmaking program is designed to prepare students to apply technical skills in various sectors of the cabinetmaking industry, including millwork, decorative components, furniture and cabinetry. Instruction includes job planning, material layout, cutting, shaping, assembling and finishing of wood pieces. It also contains information related to current manufacturing materials, techniques, technologies and equipment to produce products for the home and marketplace.

In addition to technical skills, students completing this program will also develop advanced critical thinking, applied academics, career development, life management, business, economic and leadership skills required for cabinetmaking occupations. The program utilizes a delivery system made up of four integral parts: formal/technical instruction, experimental learning, supervised occupational experience and a career/technical student organization.

### **Business Computer Applications 1 credit**

**Prerequisite:** Sophomore

This course is a prerequisite to take for Small Business Management. The focus of this course is to prepare the student for Small Business Management by covering business law, business ethics, oral communications, economic systems, and careers. Students will learn how to use Microsoft Word, Excel, Power Point and Access. In addition learn how the components of a computer work.

By studying the business law the students will understand contracts, terms, and laws that effect workers. Business ethics the students will understand law vs. ethics and environmental issues. Business economic the students will learn about the cycle of economics and how economics affects the global economics. Oral communications section will help the students learn several ways of presenting a presentation and the use of equitable and sensible grammar and prepare them for the presentation for their final in the Small Business Management. The careers segment will help the students to find and keep jobs no matter what career that they want to pursue.



### Small Business – 1 credit

**Prerequisite:** Business Computer Application

This course is designed to cover many of the Level III requirements by using a simulation. Students have to form a partnership, a LLC, or a LLP and develop a business. They will have to make up a Business Plan with a Partnership Agreement or Corporation Charter. In the Business Plan they will develop a Mission Statement with a vision statement, a list of objectives, and the strategies needed to reach their goals and objectives.

The Business Plan will, also, include a Marketing Plan. In which, the students will analyze competition and customers, make a products and/or service description, and look at the life cycle of their product. Students will look at their market potential by examining their boundaries, market size and trends. The students will decide on the location and distribution of their products or services and who are their target market students will also decide on how they will package their business. What slogans, public relations, types of advertisements and amount of advertising.

Also, in the Business Plan, the partnership will estimate costs and revenue. They will make up an estimated Payroll Register, Income Statement, and Balance Sheet. From these estimates the students will decide on how much to request on their loan (all loan requests have to be between \$50,000 to \$200,000). To help them to estimate their costs they have to make a layout of the business, come up with an inventory of equipment and supplies and list of names of their suppliers.

In the Business Plan there will be a Partnership Agreement or a Corporation Charter. If they use a Partnership Agreement, the agreement will contain how the partners will divide the profits, responsibilities, capital contributions, and capital accounts. It will, also, state meeting times, term of partnership, and termination of partnership and removal of a partner. If they use a Corporate Charter they will have to state the products being sold, the names, positions, and addresses of the Corporate Officers, and area of coverage for the business and anything else the instructor deems necessary to be on the Partnership Agreement or the Corporate Charter.

They will complete a report designed to convince investors to lend money to their partnership. The written report will contain all of the information stated above. At the completion of the project they will also present a power point presentation on their business. Cochise College instructors, from the Small business Development Center, will grade the written and oral presentations for the students final.

### **IT Fundamentals and IT Computer Maintenance-1 credit each**

#### **Prerequisite: Sophomore**

The **Information Technologies** program is designed to prepare students for employment/postsecondary education related to the design, development, installation, implementation, use and management of computers and networks. As well as prepare students for employment in various positions such as Applications Specialist, Desktop Technician, Game Developer, Hardware Technician/Engineer, Help Desk Technician/Manager, Information Architect, IT Designer, Multimedia Developer, Network Administrator/Analyst/Technician, PC Technician, Programmer, Program Analyst, Software Developer/Engineer, Systems Analyst, Systems Operations Specialist, Technical Sales Representative, Technical Support Technician/Manager, Technical Writer, Training Manager, Web Designer/Developer, Webmaster and Wireless Network Specialist.

An integrated approach of teaching and learning is provided as students enhance their technical knowledge and skills that are associated with functions within Information Technologies occupations. In addition to the occupation related skills, students completing this program will also develop advanced critical thinking, applied academic, interpersonal relations, life management, business, economic, and leadership skills required for the 21st century workplace.

The program uses a delivery system made up of four integral parts: formal/technical instruction, experiential learning, supervised occupational experiences, and the Career and Technical Student Organization, FBLA and/or SkillUSA.

### Teacher Cadet I & II-1 credit each (Honors)

**Prerequisites:** Junior

This class is offered for dual credit through Cochise College. The THS Teacher Cadet Academy is designed to introduce the beginning student to the field of education. Students recognize the teacher as a facilitator rather than a fountain of knowledge. Students study numerous facets in education to include learning styles and needs, growth and development, history, structure, certification, and ethics, just to name a few. Students also experience education through observation and application. A major component of the class is the field experience in which students spend time with a mentor teacher tutoring and teaching in one of our elementary schools or in a lower level class here at THS. This course is for 11<sup>th</sup> & 12<sup>th</sup> grade students. This class also allows its students to write the Parapro test, giving the student the opportunity to work in the education field after high school.

### Teacher Cadet Internship-1 credit

**Prerequisites:** Senior AND successfully completed the Teacher Cadet I & II program.

This course allows students who have completed the Teacher Cadet program to work with a mentor teacher and receive THS credit as a result.

### Culinary Arts I & II-1 credit each

**Prerequisites:** Sophomore

**This class is offered for dual credit through Cochise College.**

The Culinary Arts program is designed to prepare students to apply technical knowledge and skills required for food production and service occupations in institutional and commercial food establishments. Students completing this program will possess the technical knowledge and skills required for planning, selecting, storing, purchasing, preparing, and serving quality food products. Nutritive values, safety and sanitation procedures, use of commercial equipment, serving techniques, special diets and management of food establishments will also be studied. In addition to technical skills, students completing this program will also develop advanced critical thinking, applied academic, career development, life and employability skills, business, economic, and leadership skills required for culinary arts occupations. The program utilizes a delivery system made up of four integral parts: formal/technical instruction, experiential learning, supervised occupational experience, and the Career and Technical Student Organization, FCCLA.

### Culinary Arts Internship

**Prerequisites:** Senior AND successfully completed the Culinary Arts I & II program.

This course allows students who have completed the Culinary Arts program to work at a job and receive THS credit.

### Introduction to Applied Biological Systems- 1 credit

**Prerequisite:** Sophomore

This course is designed to develop students potential for premier leadership, personal growth and career success. In this course you will learn what FFA is, how it works and what FFA can do for you as an individual. Students will also learn introductions to Plant Science, Animal Science, Wildlife Sciences, Greenhouse Management

### **Advanced Agriculture Biological Systems—1 credit**

**Prerequisite:** Introduction to Applied Biology

In this course students learn to identify parts of plants and their functions, learn the steps in classifying plants and describe plant reproduction, learn to use biotechnology in animal growth and reproduction. Part of this curriculum is taught in the classroom following the textbook, while the majority is taught in the field for hands on learning experience which also follows the curriculum in the textbook. Students observe laboratory procedures and safety measure and are expected to test the salinity, ph, and oxygen levels in water sources, address issues presented with plant growth and animal health and reproduction with specimens brought into the classroom and in various parts of the school campus and local farm.

### **Agriscience—1 credit**

**Prerequisites:** Introduction to Applied Biology and Applied Biology

Agriscience is a course that provides students with a general overview of the Agriculture, Food and Natural Resources cluster. Topics included in this course include career opportunities, safety, technology applications, agribusiness leadership, environmental science, soil science, plant science, forestry, animal science, aquaculture, Forestry science, small engines, electrical wiring, and plumbing

### **Animal Systems—1credit**

**Prerequisites:** Introduction to Applied Biology and Applied Biology

Small Animal Care is designed to provide instruction in the theories, principles and practices of producing, caring for small animals and livestock. Introduction to anatomy and physiology. Students are well prepared for post-secondary education in Pre-Veterinary Science curriculums.

## **HLT 100 CNA I (Health Technology Careers)**

### **Prerequisite: Juniors**

This is an ITV (Instructional Television) class taught by a Cochise College instructor. The instructor is at Tombstone High School one day each week. It is the first course in the CNA (Certified Nursing Assistant) program.

This is an introduction to health careers including basic information such as ethics, professional conduct, infection control, safety, communication and job skills. Some hands-on skills will be taught and some class time will be spent in specialty areas of a health care facility and/or public health agency.

There is NO COST to the student for the tuition or books for this course as it is provided by the J.T.E.D. and the College Compact programs.  
3 hours lecture.

## **HLT 109 CNA II (Nursing Assistant)**

### **Prerequisite(s): Seniors or approval of Instructor AND appropriate placement test scores.**

This is an ITV (Instructional Television) class taught by a Cochise College instructor. The instructor is at Tombstone High School one day each week. This is the second course in the CNA (Certified Nursing Assistant) program.

A course approved by the Arizona Board of Nursing to prepare the basic level of nursing assistant to take the state exam for certification with emphasis on basic concepts of communication, patient safety, anatomy and physiology, nursing process, patient rights, legal and professional responsibilities, and specific patient care skills. The student will learn to recognize and meet basic physical, psychosocial, and cultural needs of patients especially those needs of the geriatric patient. The students will participate in clinicals one day each week.

The students will take the Arizona Board of Nursing exam for certification as a Certified Nursing Assistant. Students will be reimbursed for the cost of the State exam upon successful test score on the State exam.

There is NO COST to the student for the tuition or books for this course as it is provided by the J.T.E.D. and the College Compact programs. Students will be required to purchase a set of scrubs for the clinical participation.

3 hours lecture, 5 hours laboratory.

