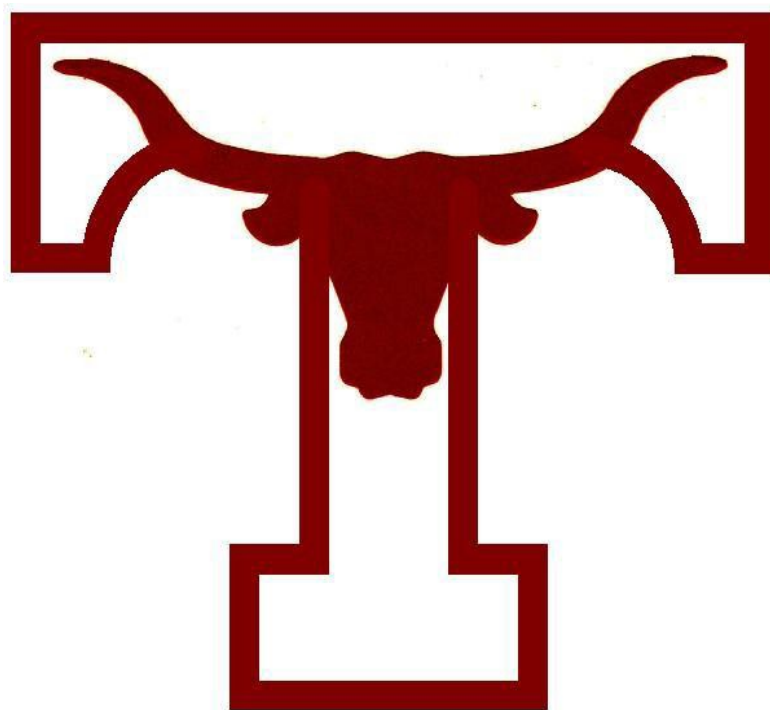


# **TARKINGTON HIGH SCHOOL**



## **ACADEMIC COURSE PLANNING GUIDE**

**2018-2019**

**The Tarkington High School Course Planning Guide has been designed to provide our students and parents with helpful information regarding the courses offered at THS. Becoming familiar with the course guide will be extremely important in order to make appropriate course selections for your student as you plan for the next school year. It is essential to remember that this is only a portion of your long-range high school plan.**

**Although teachers can be valuable resources concerning courses and their recommendations, it is extremely important that your learner make individual choices for his/her schedule. These are very important decisions in which learners must have input, as schedule changes will be minimal.**

**Review the courses on the following pages with your son or daughter. THS desires to offer every course described in the course guide; however, staffing, class load, and funding will determine course availability.**

**Future coursework, postsecondary education, and career goals are impacted by the choices that you make in course selection. If after reading this document you still have questions about the process, please contact the Guidance Office at 281-592-7739. We will be happy to offer suggestions and advice based on your student's abilities.**

**The Texas Legislature has changed high school graduation requirement for students who will be freshmen during the 2014-2015 school year. The change in graduation requirements allows more flexibility for high school students to pursue either a career pathway or higher education. The new graduation plan was named the "Foundation High School Program" or FHSP and it requires students to earn 28 credits. The image below describes how many credits a student needs to meet the FHSP requirements per subject area.**

# 28 CREDITS

English - 4  
Math - 4  
Science - 4  
Social Studies -  
4

Languages  
Other Than  
English - 2  
PE - 1

Fine Arts - 1  
Technology - 1  
Electives - 7

Each student is encouraged to choose an endorsement area as they begin high school.



**For students who will graduate in the Class of 2016 or 2017 the following table displays your graduation plan options.**

	<b>RECOMMENDED PLAN CLASS OF 2017</b>	<b>DISTINGUISHED PLAN CLASS OF 2017</b>	<b>ENDORSEMENT PLAN CLASS OF 2017 AND BEYOND</b>
<b>ENGLISH</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>MATH</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>SCIENCE</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>SOCIAL STUDIES</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>LOT ENGLISH</b>	<b>2</b>	<b>3</b>	<b>2</b>
<b>FINE ARTS</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>SPEECH</b>	<b>.5</b>	<b>.5</b>	<b>0</b>
<b>PE</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>HEALTH</b>	<b>.5</b>	<b>.5</b>	<b>0</b>
<b>TECHNOLOGY</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>OTHER ELECTIVES</b>	<b>6</b>	<b>5</b>	<b>3</b>
<b>CTE COHERENT</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>TOTAL</b>	<b>28</b>	<b>28</b>	<b>28</b>

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# ENGLISH

## ENGLISH I

CREDIT 1.0

While the expository essay is the main focus, students in English I generate compositions for a variety of purposes and in a variety of modes as well as read and analyze selected master works from all genres of literature. Based on a curriculum that integrates both writing and reading concepts and skills, this course empowers students to use the Jane Schaffer's method of writing (prewriting, drafting, revising, editing, and presenting) as they write to learn about themselves, their world, and their print-rich environment. Students in English I read extensively, write responsively, listen critically, speak articulately, work cooperatively, and think independently. #03220100

**Prerequisite: No**

## ENGLISH I PREAP

CREDIT 1.0

Freshman Pre-AP English is the first step into the high school AP program. This course is designed to challenge the student who has a strong interest and ability in the study of English and to prepare students to meet the demands and expectations of future AP English courses. Students will read extensively outside the classroom and complete projects/activities that require a level of deeper thinking and assist them in analyzing literature. Literature involves various genres with emphasis on analysis for deeper meaning and analysis of diction and universal themes. Literary emphasis and study will include the short story, novel, drama, poetry, and be supported by composition. There will be an introduction of research skills and style analysis. To help prepare for later Advanced Placement weighted English classes the instructor will use SAT vocabulary lists, as well as develop the student's understanding of an assortment of literary terms. Completion of summer reading assignments is required. Some of the literature Pre AP Freshman may encounter in class is *The Odyssey, Romeo and Juliet, The Most Dangerous Game, The Cask of Amontillado, and The Scarlet Ibis*. While the outside of class novels vary year to year, students will read novels such as *The Glass Castle, A Long Way Gone, A Lesson Before Dying, The House of the Scorpion, The Jungle, The Alchemist, The Bean Trees, Huck Finn, and A Separate Peace*. #03220100

**Prerequisite: Teacher recommendation and evidence of advanced skills in Reading/Writing**

## ENGLISH II

CREDIT 1.0

While the persuasive essay is the main focus, students in English II generate compositions for a variety of purposes and in a variety of modes as well as read and analyze selected works from all genres. Based on a curriculum that integrates both writing and reading concepts and skills, this course empowers students to use the Jan Schaffer's method of writing (prewriting, drafting, revising, editing, and presenting) as they write to learn about themselves, their world, and their print-rich environment. Students in English II are expected to read extensively, write responsively, listen critically, speak articulately, work cooperatively, and think independently. While the choice of literature covered will be varied year to year, students will be exposed to literary novels and plays such as *Julius Caesar, To Kill a Mockingbird, and Fahrenheit 451*. #03220200

**Prerequisite: English I**

## ENGLISH II PREAP

CREDIT 1.0

This course is designed to improve students reading, writing, and communicating skills and to prepare them to meet the demands and expectations of the AP English III and AP English IV course. Students will read extensively outside the classroom and complete projects/activities that require a level of deeper thinking and assist them in analyzing literature. Literature involves various genres with emphasis on analysis for deeper meaning and analysis of diction and universal themes. Required readings include short stories, poetry, drama, and/or novels. While the outside of class novels vary year to year, students will read novels such as *To Kill a Mockingbird, Alive, 1984, The Poisonwood Bible, Fahrenheit 451, and Of Mice and Men*. Writing assignments will include persuasive and literary analysis and research papers. Students will write in a clear,

coherent style, attending to matters of precision and correctness. There is a strong focus on higher level vocabulary and literary terms, which are valuable in comprehension and improving communication skills. Pre-Advanced students are expected to be able to work independently and in groups. Homework and summer reading will be assigned. Students are expected to follow directions and turn in work on time. All assignments covered will prepare students for advanced placement at the eleventh grade level.

#03220200

**Prerequisite: English I, teacher recommendation, and evidence of advanced skills in Reading/Writing.**

### **ENGLISH III**

**CREDIT 1.0**

For college readiness, this course will explore the development of American literature and the culture it reflects, including a study of major works such as *Alive, Of Mice and Men*, and *The Great Gatsby*. Students will read and analyze the play, *The Crucible*. In addition, students will continue their study of contextual vocabulary, grammar, and composition, utilizing these skills in a variety of writing modes, including research, personal narratives, and literary analysis. Writing assignments will include a persuasive research paper and literary analysis papers. Students will write in a clear, coherent style, attending to matters of precision and correctness. Revising and editing skills, as well as, Greek and Latin roots are studied because they are fundamental for college test preparation, aiding in comprehension and improving communication skills. #03220300

**Prerequisite: English II**

### **ENGLISH III AP**

**CREDIT 1.0**

AP English Language and Composition is a version of an introductory college course, one appropriately shaped for precollege-age students. Students will read and analyze a broad and challenging range of prose selections and will develop awareness of how the language works. Reading material will focus on nonfiction prose from a variety of authors and historical contexts, but the main focus will be on American literature. Students will learn to observe and analyze the words, patterns, and structures that create subtle effects of language. Writing tasks give the practice necessary to make students aware, flexible writers who can compose in different modes and for different purposes. Possible major works covered are: *The Scarlet Letter*, *Ethan Frome*, *Their Eyes Were Watching God*, *The Things They Carried*, *East of Eden*, *How to Read Literature Like a College Professor*. To learn more about this course visit <https://apstudent.collegeboard.org/apcourse/ap-english-language-and-composition> #03220300

**Prerequisite: English II and teacher recommendation**

### **PSAT-SAT ENGLISH**

**CREDIT 0.5**

Students will learn all about the concepts & strategies that will show up on the current test and even what the redesigned test in 2016 will look like. This class will teach students about all the sentence completion and reading passage strategies necessary to do well on the critical reading section. The teacher will review the most important grammar rules to ace the multiple choice section of the writing section. Students can expect that rules such as subject-verb agreement, subject-pronoun agreement, and parallel sentence structure will be practiced. #85000SAT

**Prerequisite: Counselor approval/placement**

### **READING I and READING II**

**CREDIT 1.0**

Reading I and II offers students instruction in word recognition and comprehension strategies and vocabulary. Students are given opportunities to locate information in varied sources, to read critically, to evaluate sources, and to draw supportable conclusions. Students learn how various texts are organized and how authors choose language for effect. #03270700 and #03270800

**Prerequisite: Counselor approval/placement**

## **ADVANCED LEVEL ENGLISH COURSES**

### **ENGLISH IV**

**CREDIT 1.0**

For college readiness, students in English IV generate compositions for a variety of purposes and in a variety of modes as well as read and analyze selected works from British literature. Based on a curriculum that integrates writing and reading concepts and skills with literature and history, this course teaches students to use the recursive writing process to communicate varied ideas about the world revealed through the literature. Senior English is a study of British literature, from the Anglo-Saxon era to the 20th Century. Students will research and write a persuasive essay in preparation for college and the workplace. Major works covered are: *Beowulf*, *Canterbury Tales*, *Macbeth*, and *Frankenstein*. Students are expected to use all skills taught in English 1-English 3. #03220400

**Prerequisite: English III**

### **AP ENGLISH IV**

**CREDIT 1.0**

To learn more about the details of this course visit <https://apstudent.collegeboard.org/apcourse/ap-english-literature-and-composition> #03220400

**Prerequisite: English III and teacher recommendation**

### **BUSINESS ENGLISH**

**CREDIT 1.0**

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. #13011600

**Prerequisite: English III and recommended for students pursuing a Business and Industry Endorsement, which will be verified by a counselor.**



# MATH

## ALGEBRA I

**CREDIT 1.0**

Algebra I includes the knowledge and skills relating to the concept of variable, algebraic manipulations necessary in problem solving, the graphs of linear and quadratic functions, real world applications of linear and quadratic functions, the solution of equations and inequalities, and data analysis. The use of manipulatives and technology, which includes the graphing calculator, is an integral part of this course. Students can expect to spend time on independent practice outside of the classroom every day the class meets. Students will use both a scientific and graphing calculator in this class. STARR End of Course exam is mandatory for this class. #03100500

**Prerequisite: No**

## ***STRATEGIC LEARNING FOR HIGH SCHOOL MATH***

**CREDIT 1.0**

This course is intended to create strategic mathematical learners from underprepared mathematics students. The basic understandings will stimulate students to think about their approach to mathematical learning. These basic understandings will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts. Use of personal data and statistical analysis will establish relevance and aid in creation of individualized learning plans. #N1110030

***Prerequisite: Only the counselor can place a student in this class if it is needed after the EOC scores are received***

## MATHEMATIC MODELS WITH APPLICATIONS

**CREDIT 1.0**

Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines and mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations. A student who has completed Algebra 2 is not eligible to be in this class. #03102400

**Prerequisite: Algebra I**

## GEOMETRY

**CREDIT 1.0**

Geometry involves logic, proportional thinking and visualization in the study of two & three dimensional objects. Connections are made to algebra throughout the course and to the world outside of school through a variety of applications. The essential knowledge and skills of this course include geometric structure, geometric patterns, Dimensionality and the geometry of location, congruence and the geometry of size, and similarity and the geometry of shape. Manipulatives and technology, including graphing calculators, are used extensively in this course. Students will use both a scientific and graphing calculator in this class. #03100700

**Prerequisite: Algebra I. Can take concurrently with Algebra II**

## ALGEBRA II

**CREDIT 1.0**

Building on the skills learned in Algebra I, the focus of Algebra II is the study of functions and problem solving in real situations. The study of functions includes the domain and range, function notation, inverses of functions, and graphs of parent functions. There is an extended study of quadratic, square root, rational, exponential, and logarithmic functions and their applications. Included in Algebra II are knowledge and skills relating to data analysis, the complex number system, matrix algebra, and conic sections and their graphs. Students will use a TI84 graphing calculator on a regular basis. Students use graphing calculators that allows table building, coordinate graphing, algebraic analysis, and complicated computation. #03100600

**Prerequisite: Algebra I. Can take concurrently with Geometry**

## **PSAT-SAT MATH**

**CREDIT 0.5**

This introductory class will help students learn some of the most important math strategies on the PSAT and SAT math test. The teacher will cover how to solve a wide range of questions as well as how to decipher some of the hardest problems. Knowing what to expect on the day of the PSAT-SAT is half the battle, so increase your confidence and your score with this class. #85000SAT

**Prerequisite: Counselor approval/placement**

## **ADVANCED LEVEL MATHEMATICS COURSES**

### **ADVANCED QUANTITATIVE REASONING**

**CREDIT 1.0**

This course is an engaging and rigorous course that prepares students for a range of future options in non-mathematics intensive college majors or for entering workforce training programs; it may also be an appealing elective for students pursuing pre-calculus and calculus. The course emphasizes statistics and financial applications, and it prepares students to use Algebra, Geometry, Trigonometry, and Discrete Mathematics to model a range of situations and solve problems. AQR builds on, reinforces, and extends what students have learned and covers a range of mathematics topics that are not part of most high school mathematics programs. The course offers student activities in a range of applied contexts and helps students develop college and career readiness skills. #03102510

**Prerequisite: Algebra II**

### **PRECALCULUS**

**CREDIT 1.0**

PreCalculus includes the knowledge and skills relating to sequences and series, probability and statistics, conic sections, and vector analysis. Students use graphing calculators to develop advanced graphing techniques, explore patterns, analyze data, perform complicated computations, and evaluate trig functions. Business and scientific applications of PreCalculus are an integral part of this course. #03101100

**Prerequisite: Algebra II**

### **AP CALCULUS AB**

**CREDIT 1.0**

This course is designed for advanced math students. Limits, derivatives, and the definite integral are studied in detail. This course emphasizes the various types and applications of differentiation and integration. To learn more about the details of this course visit <https://apstudent.collegeboard.org/apcourse/ap-calculus-ab/course-details> #A03100101

**Prerequisite: PreCalculus**

### **MATH APPLICATIONS IN AG, FOOD, AND NATURAL RESOURCES**

**CREDIT 1.0**

In this course students will apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. To prepare for success, students are afforded opportunities to analyze mathematical problem statements that are essential to agribusiness, animal, environmental service, food products and processing, natural resources, plant, and power, structural, and technical systems. #13001000

**Prerequisite: Principles of Agriculture Food, & Natural Resources. This course is recommended for 11<sup>th</sup>/12<sup>th</sup> grade students.**

### **STATISTICS AND RISK MANAGEMENT**

**CREDIT 1.0**

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will determine the

appropriateness of methods used to collect data to ensure conclusions are valid. #13016900

**Prerequisite: Algebra II strongly recommended, as well as pursuing a Business & Industry Endorsement**

### **MATH FOR MEDICAL PROFESSIONALS**

The course integrates medical-physiological concepts and mathematics. Students will compute mathematical equations related to healthcare. #N1302097

**Prerequisite: Algebra II strongly recommended; for student pursuing a Public Services Endorsement**

**CREDIT 1.0**

# SCIENCE

## **INTEGRATED PHYSICS AND CHEMISTRY (IPC)**

**CREDIT 1.0**

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific methods during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with math in the following topics: force, motion, energy, and matter. Other topics studied include electricity, sound waves, light waves, contemporary structure of the atom, chemical nomenclature, the periodic table, chemical formulas, bonds, chemical reactions, and acids and bases.. #03060201

**Prerequisite: No.**

## **BIOLOGY**

**CREDIT 1.0**

In Biology, students conduct laboratory and field investigations, practice safety, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. This class is recommended for 10<sup>th</sup> grade students. STARR End of Course exam is mandatory for this class. #03010200

**Prerequisite: IPC highly recommended**

## ***BIOLOGY REMEDIATION***

***CREDIT 1.0***

*Biology skills and concepts will be revisited and reinforced in a variety of ways in this class. This class is considered a local credit. #85000SL4*

**Prerequisite: Only the counselor can place a student in this class if it is needed after the EOC scores are received**

## **PRE-AP BIOLOGY**

**CREDIT 1.0**

This course reinforces the basic concepts of Biology, such as cell parts and functions, genetics, biological evolution, classification and Ecology. However, the level of learning is higher as these students will be expected to maintain an 85 average and score at the Level 3 standard on the End-of-course exam. This course needs teacher recommendation. #03010200

**Prerequisite: Incoming science EOC scores at advanced levels and counselor recommendation. Available if you've taken Algebra I in 8<sup>th</sup> grade all year.**

## **AP BIOLOGY**

**CREDIT 1.0**

The advanced placement biology program provides an opportunity for high school students to pursue college level course work and prepare for an exam that allows for college course credit. AP Biology students will be introduced to advanced topics and current aspects of biology, including these areas: biochemistry, cell structure and function, energy transformations, molecular genetics, heredity, natural selection, an overview of organisms and populations, plant and animal physiology, and ecology. Laboratory work is emphasized and summer assignments will be required. To learn more about AP Biology visit <https://apstudent.collegeboard.org/apcourse/ap-biology/course-details> #A3010200

**Prerequisite: Biology, Chemistry, and 2 units of math; recommended for 12<sup>th</sup> grade students; 11<sup>th</sup> grade students must have teacher approval**

## **CHEMISTRY**

**CREDIT 1.0**

In Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. #03040000

**Prerequisite: 1 Unit of High School Science and Algebra I**

## **AP CHEMISTRY**

**CREDIT 1.0**

In Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. For a detailed description and to learn more about this class visit: <https://apstudent.collegeboard.org/apcourse/ap-chemistry/course-details> #03040000

**Prerequisite: Biology, Chemistry, and Algebra II or concurrent math; recommended for grades 11 & 12**

## **ENVIRONMENTAL SYSTEMS**

**CREDIT 1.0**

In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: abiotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. This course uses a hands-on approach to investigate ecological problems. This study of the interrelationship of organisms and their environment includes such topics as rain forest destruction, extinction of animal and plant species, alternative energy sources, overpopulation, and pollution. This course is aimed not only at addressing environmental problems but also aiding the student in making intelligent decisions about their future planet. Field trips are a part of this study. #03020000

**Prerequisite: Biology and 1 unit from physical science - IPC, Chemistry, or Physics; recommended for grade 11**

## **PHYSICS**

**CREDIT 1.0**

In Physics, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretations, work collaboratively with colleagues, and develop critical thinking skills.

The concepts of mechanics, heat, sound, optics, electricity and magnetism will be explored and reinforced through experiments in the laboratory, topic-related construction projects, and through conceptual and mathematical problem solving. #03050000

**Prerequisite: Algebra I; recommended for grades 10-12**

## **AP PHYSICS 1**

**CREDIT 1.0**

This advanced placement course is designed as a second year, college level, algebra-based physics course. Major topic areas of study include Newtonian mechanics, work, energy, power, mechanical waves, and sound. Problem-solving will be rigorous. This class is intended to prepare students for the AP Physics 1 examination in the Spring semester. This is a very intense course requiring a significant time commitment. Visit <https://apstudent.collegeboard.org/apcourse/ap-physics-1/course-details> to help determine if this class is right for you. #A3050003

**Prerequisite: Physics and Pre-Calculus or concurrent math. This course is recommended for 11<sup>th</sup> and 12<sup>th</sup> grade students.**

## **AP PHYSICS 2**

**CREDIT 1.0**

This advanced placement course is designed to help students cultivate their understanding of physics through inquiry based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and geometric optics; and quantum, atomic, and nuclear physics. This is a very intense course requiring a significant time commitment. Visit <https://apstudent.collegeboard.org/apcourse/ap-physics-1/course-details> to help determine if this class is right for you.

#A3050004

**Prerequisite: AP Physics 1 and teacher recommendation; recommended for 12<sup>th</sup> grade students**

## **ANATOMY AND PHYSIOLOGY**

**CREDIT 1.0**

This is an advanced course in the study of human anatomy and physiology. Students will study the structure and function of all major body systems and how they work together to maintain homeostasis. This inquiry-oriented course is designed for students considering a career in biological, medical, or health-related fields. Various dissections, including cats, will be required throughout this course. This is an intense course requiring significant time studying and commitment outside of class. #13020600

**Prerequisites: Biology and Chemistry; 11<sup>th</sup> or 12<sup>th</sup> grade; recommended for students pursuing a Public Service Endorsement**

## **AP ENVIRONMENTAL SCIENCE**

**CREDIT 1.0**

During AP Environmental Science course you will explore and investigate the interrelationships of the natural world, identify and analyze environmental problems, both natural and human-made, evaluate, the relative risk associated with these problems, and examine alternative solutions for resolving and/or preventing them.

**Prerequisites: 2 years of laboratory science; 1 year of Algebra. Recommended - 1 year of Earth Science.**

## **AQUATIC SCIENCE**

**CREDIT 1.0**

In Aquatic Science, students study the interactions of biotic and abiotic components in both aquatic and marine environments, including impacts on aquatic systems. Topics include: water quality, chemical and physical properties of water, fresh and salt water plants and animals. Students will participate in field work and be required to use basic algebra skills within the context of scientific problem solving. Students who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills. Field trips are a part of this course. #03020000 **Prerequisite: 1 unit of Biology, Chemistry or concurrent enrollment in Chemistry; grades 11-12**

## **EARTH AND SPACE**

**CREDIT 1.0**

Earth and Space Science (ESS) is a capstone course designed to build on student's prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. Students enrolled in this course will conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. #03060200

**Prerequisite: 3 units of Science and Mathematics; recommended for grades 11- 12**

## **FOOD SCIENCE**

**CREDIT 1.0**

Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. #13023000 **Prerequisite: Principles of Hospitality and 3 units of science; recommended for grade 12 pursuing a Business & Industry Endorsement**

## **ADVANCED ANIMAL SCIENCE**

**CREDIT 1.0**

This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of

scientific and technological aspects of animal science through field and laboratory experiences. #13000700

**Prerequisite: Principles of Agriculture Food, & Natural Resources and 3 units of science; recommended for grades 12 pursuing a Business & Industry Endorsement**

## **SOCIAL STUDIES**

### **WORLD GEOGRAPHY**

**CREDIT 1.0**

Students examine the relationships among people, places, and environments that result in patterns on the Earth's surface. Students use the tools and methods of geography to study the principal regions in the world – the Americas; Europe and Eurasia; North Africa and the Middle East; Sub-Saharan Africa; South, East, and Southeast Asia. Students describe the influence of geography on events of the past and present and analyze how location affects economic activities in different economic systems throughout the world. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. #03320100

**Prerequisite: No**

### **WORLD GEOGRAPHY PRE-AP**

**CREDIT 1.0**

The skills and strategies developed in this course are similar to World Geography but the rigor involved is designed to prepare students for Advanced Placement courses. #03320100

**Prerequisite: No**

### **WORLD HISTORY**

**CREDIT 1.0**

This is a course examining the history of world civilization from the ancient river civilizations to the present. Students study the geographic, political, social, economic, and cultural aspects of representative civilizations, events, and historical periods to discover themes, patterns and processes of historical development. Using a variety of learning strategies, students learn to compare, analyze, and evaluate ways of life and cultural patterns to identify diversity, commonality, and global interactions of humankind's development through time. #03340400

**Prerequisite: No**

### **AP WORLD HISTORY**

**CREDIT 1.0**

AP World History is offered to motivated students who, according to the College Board, wish to “develop greater understanding of the evolution of global processes and contacts in different types of human societies.” Students will combine selective factual knowledge and skills of analysis to examine the nature, causes, and consequences of changes in global frameworks. The course “emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence” and “offers balanced global coverage, with Africa, the Americas, Asia, Europe, and Oceania all represented.” Summer work is required. For a detailed description and to learn more about this class visit: <https://apstudent.collegeboard.org/apcourse/ap-world-history/course-details> #03340400

**Prerequisite: No**

### **UNITED STATES HISTORY**

**CREDIT 1.0**

This survey course covers significant people, issues, and events from the Reconstruction Period to the present, emphasizing present-day issues that have their roots in the past. It is an inquiry into the social, political, cultural, and economic development of the United States during this period, including an emphasis on development and changes in United States foreign policy. Content focuses on political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and

foreign policies of the Cold War and post-Cold War eras, and reform movements, including civil rights. #03340100

**Prerequisite: No**

## **AP UNITED STATES HISTORY**

**CREDIT 1.0**

This course is designed to increase the student's understanding of United States History from its beginning to the present, its development and institutions. AP US History is a rigorous, fast paced and challenging course designed to be the equivalent of a college freshman U.S. History survey course. Students should possess strong reading and writing skills and be willing to devote substantial time to study and the completion of class reading assignments. Emphasis is placed on class discussion, the use of primary and secondary sources, critical reading, and analytical writing. This course prepares students to take the College Board Advanced Placement United States History exam.

To view a detailed summary of the class download a copy of the College Board's course description for AP US History at <https://apstudent.collegeboard.org/apcourse/ap-united-states-history/course-details> #03340100

**Prerequisite: No**

## **GOVERNMENT**

**CREDIT 0.5**

Government is a study of the American Constitution and the levels of our governmental system - federal, state, and local. Special emphasis is placed on current events as related to the legislative, executive, and judicial structure and functions of the United States system of government. #03330100

**Prerequisite: No**

## **AP GOVERNMENT**

**CREDIT 0.5**

The AP United States Government and Politics course gives students an analytical perspective on government and politics in the U.S. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will also become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. This class is only offered in the second semester of the school year. To view a detailed summary of the class download a copy of the College Board's course description for AP US Government and Politics at <https://apstudent.collegeboard.org/apcourse/ap-comparative-government-and-politics> #03330100

**Prerequisite: No**

## **ECONOMICS**

**CREDIT 0.5**

Economics is designed to help students develop a basic understanding of fundamental economic concepts and features of the free enterprise system. The course emphasizes the interdependent nature of economic, political and business systems as they affect individuals and society. #03310300

**Prerequisite: No**

## **AP ECONOMICS**

**CREDIT 0.5**

AP Economics is a course designed to prepare students for the AP Macroeconomics exam. The lessons will focus on how the government regulates the economy through monetary and fiscal policy. This class is only offered in the first semester of the school year. For a detailed description and to learn more about this class visit:

<https://apstudent.collegeboard.org/apcourse/ap-macroeconomics> #03310300

**Prerequisite: No**

## **PSYCHOLOGY (fall)**

**CREDIT 0.5**

This course is an introduction to psychology. It is designed to help students develop an understanding of the fundamental principles of psychology. Emphasis will be on human growth, development, and behavior as well as development of the individual. #03350100



**Prerequisite: 9<sup>th</sup> grade credits completed**

### **PRE-AP PSYCHOLOGY (fall)**

**CREDIT 0.5**

This course introduces students to the systematic and scientific study of human behavior and mental processes. Students choosing this class plan on taking AP Psychology in the spring semester. #03350100

**Prerequisite: 9<sup>th</sup> and 10<sup>th</sup> grade credits completed**

### **AP PSYCHOLOGY (spring)**

**CREDIT 0.5**

The AP Psychology course focuses on giving our students a learning experience that is equivalent to most college introductory psychology courses. This course introduces students to the systematic and scientific study of human behavior and mental processes. For a detailed description and to learn more about this class visit:

<https://apstudent.collegeboard.org/apcourse/ap-psychology#03350100>

**Prerequisite: Pre-AP Psychology recommended**

### **SOCIOLOGY (spring)**

**CREDIT 0.5**

This course is an introduction to sociology. It is designed to help students develop an understanding of the basic principles of sociology. Emphasis will be on cultural and social norms, social institutions and mass communication. #03370100

**Prerequisite: 9<sup>th</sup> and 10<sup>th</sup> grade credits completed**

### **HITLER, THE NAZIS, AND THE HOLOCAUST (spring)**

**CREDIT 0.5**

How could an obscure Austrian painter and high school dropout rise to control one of the nations in Europe? How could the ravings and rantings of a madman drive a nation to exterminate over six million men, women, and children? This course will cover the Nazi Party's origins and rise to power, followed by an in-depth look at the Nazi leaders and their implementation of the *Financial Solution to the Jewish Problem*. We'll look at those who opposed the Holocaust, often risking their own lives to save others. And we'll look at the aftermath of the Holocaust, in terms of the lives lost and the drive to create the new nation of Israel. #03380021

**Prerequisite: 11<sup>th</sup> or 12<sup>th</sup> grade status**

### **WORLD WAR II ANALYSIS (fall)**

**CREDIT 0.5**

Are you a history buff? Especially about World War II? This course will cover the origins of World War II in the waning days of World War I and the Treaty of Versailles. We'll study the impact of The Great Depression on the rise of dictatorships in Europe. We'll cover the great leaders and the battles that turned the tide of war, culminating in Hitler's suicide and bombing of Hiroshima and Nagasaki. We'll then cover how the end of this war set the stage for the beginning of the Cold War. #0338001

**Prerequisite: 11<sup>th</sup> or 12<sup>th</sup> grade status**

## 4-8 Year Career Plan Social Studies

<b>Endorsement: ARTS &amp; HUMANITIES</b>		<b>Graduation Requirements</b>				<b>Student Name</b> _____	
Career Objective: Focuses on careers in the study of history, culture, psychology, sociology, government, and geography.		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	<b>Grade</b> _____ <b>DOB</b> _____	
Associate Degree: History, Philosophy, Political Science, Psychology, Sociology		English	4	4	4	<b>Student Signature</b> _____ <b>Date</b> _____ <b>Parent Signature</b> _____ <b>Date</b> _____	
Bachelor Degree: History, Political Science, Psychology, Sociology, Geography, Archaeology, Economics, Philosophy		Math	4	4	4		
Graduate Degree: Law, History, Political Science, Psychology, Sociology, Economics, Philosophy		Science	4	4	4		
Career Options: Lawyer, Politician, Teacher, Professor, Curator, Archaeologist, Historian, Sociologist, Economist		Social Studies	4	4	4		
Career Learning Experiences:		LOTE	2	3	2		
Certificates:		PE	1	1	1		
College Hours Earned in HS:		Technology	1	1	1		
Credits Earned in Weighted Classes:		Fine Art	1	1	1		
		Electives	6	5	3		
		Speech/Health	.5/.5	.5/.5	0		
		CTE Coh Seq	0	0	4		
		<b>Credits</b>	<b>28</b>	<b>28</b>	<b>28</b>		
<b>Performance Acknowledgement</b> ____12 hours college credit ____Associate ____Bilingualism ____Certificate ____AP Test ____PSAT,ACT,SAT			<b>Graduation Plan</b> ____Endorsement ____Distinguished		<b>EOC Standard Met</b> ____Alg 1 ____Bio ____Eng 1 ____Eng 2 ____US History		
<b>My Post High School plan is to go to:</b> ____Junior College ____Technical College ____College/University ____Military ____Employment ____Other					<b>Name of school/military branch/job/other</b> _____		
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>			
1	ENG I, ENG I PAP	ENG II, ENG II PAP	ENG III, ENG III AP, ENG III DC	ENG IV, ENG IV AP, ENG IV DC			
2	ALG 1	MATH	MATH	MATH			
3	SCIENCE: Bio, Bio PAP, IPC	SCIENCE: Bio, Bio PAP, Chem	SCIENCE	SCIENCE			
4	SOCIAL STUDIES	SOCIAL STUDIES	USH, USH AP, USH DC	Gov/Eco, Gov/Eco AP, Gov/Eco DC			
5	Spanish 1	Spanish 2	Elective	Elective			
6	PE	Technology	Elective	SOCIAL STUDIES			
7	Fine Art	Psychology/Sociology	Elective	Elective			
8	CTE	CTE	CTE	CTE			

## SAMPLE 4 YEAR PLAN ABOVE

# PE

### FOUNDATIONS OF PERSONAL FITNESS/PE

**CREDIT 1.0**

The student will learn to develop a plan for a physically active lifestyle that can be utilized throughout adult life. The student will be educated about his/her personal levels of physical activity and fitness and will experience the benefits of physical conditioning, weight training and nutrition. The student will be exposed to a variety of individual sports that will develop and enhance their knowledge in life long physical activities. PES00052

**Prerequisite: No**

### ATHLETICS

**CREDIT 1.0**

The following courses are offered as competitive team athletics and are governed by the rules and regulations of the University Interscholastic League. Athletics may count in lieu of Physical Education as required for graduation. PES00000

**Prerequisite: A UIL physical form is required and can be found under the Mandatory Athletic Forms tab at: [http://www.tarkingtonisd.net/page/121058\\_3](http://www.tarkingtonisd.net/page/121058_3)**

**The following sports require a student to be in the Athletic period.**

**Basketball**

**Baseball**

**Football**

**Softball**

**Volleyball**

### OTHER PE ACTIVITIES

Tarkington offers other sports for students to participate in throughout the year. The following activities do not require a student to be in an athletic class to participate.

<b>Cheerleading</b>	<b>Dance/Drill Team</b>
<b>Cross Country</b>	<b>Track</b>
<b>Golf</b>	<b>Powerlifting</b>
<b>Tennis</b>	

# LANGUAGES OTHER THAN ENGLISH

## **SPANISH I**

**CREDIT 1.0**

Spanish I presents meaningful, basic vocabulary and grammar while building proficiency in the four basic skills of reading, writing, listening and speaking. In this class, students will learn beginning-level listening, speaking, reading, and writing skills so that students will be able to function in daily situations in a global society. Among other things, they will learn how to discuss themselves, friends, families, interests, and daily activities. Beginning conversational skills will be utilized by the students. The cultures of several Spanish-speaking countries will be addressed as well. #03440100

**Prerequisite: No**

## **SPANISH II**

**CREDIT 1.0**

Spanish II reinforces and enriches the listening, speaking, reading, and writing skills acquired in Spanish I. Emphasis will be placed on communication and practicalities, including the topics of sports, travel, food, careers, and health. Students will practice communicating with each other in different situations. Students will enhance their knowledge of Hispanic people and cultures. #03440200

**Prerequisite: Spanish I**

## **SPANISH III**

**CREDIT 1.0**

At this level, students build on skills attained in the first two years. Emphasis is placed on higher level vocabulary and conversational fluency in increasingly complex situations. Higher level reading materials, writing exercises, oral presentations, and other more advanced oral interaction will be included. This course aims to develop confidence in Spanish and enhance the appreciation of the cultural differences of Spanish-speaking countries. #03440300

**Prerequisite: Spanish II**

## **SPANISH IV**

**CREDIT 1.0**

Spanish IV is designed for students who demonstrate advanced aptitude and interest in acquiring written and oral proficiency in Spanish. The course provides students the opportunity to expand and perfect their knowledge and use of grammatical structures, vocabulary, and communicative skills. #03440400

**Prerequisite: Spanish III; teacher recommendation**

## **FINE ARTS**

The following courses meet the 1 credit requirement in the area of Fine Arts:

**ART I   BAND I   APPLIED MUSIC   THEATRE ARTS I**

## **TECHNOLOGY**

The following courses meet the 1 credit requirement in the area of Technology:

**BUSINESS INFORMATION MANAGEMENT I, PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATION**

# **ARTS & HUMANITIES ENDORSEMENT**

**The Arts and Humanities endorsement is a curriculum path that allows for a student to focus deeply on courses directly related to Fine Arts, English, Foreign Languages, and Social Studies.**

**A student may earn an arts and humanities endorsement by completing the requirements specified in the foundation plan and one of the following:**

- **5 credits in Social Studies**
- **or 4 levels of the same language in a language other than English**
- **or 4 courses in Fine Arts from one or two categories (Art, Music, and Theatre)**

## **ART**

**ART I** **CREDIT 1.0**  
No artistic abilities required! This beginners' course provides instruction in the essential fundamentals of drawing, composition, painting, 2-dimensional design, and 3-dimensional design through application of the elements and principles as well as an introduction to art history and art analysis. Students will develop skills in observation, problem solving, visual communication, manipulation of media, self-expression, and critique. A \$25 fee is required for the purchase of a prepared supply pack. #03500100  
**Prerequisite: No**

**ART II** **CREDIT 1.0**  
This second-year art course provides students who have successfully completed Art I, an opportunity to further develop their compositional understanding by applying the Elements and Principles of Design. New art media such as Prismacolor colored pencils and acrylics will be introduced. While continuing with the use of a wide range of art media, students will investigate a variety of traditional and non-traditional subject matter including personal ideas, beliefs and individual styles, with an emphasis on portraiture art and the human figure. Students will explore creative expression by imagining, creating and critiquing individual art works and those found throughout art history and culture in order to arrive at unique solutions. A \$25 fee is required for the purchase of a prepared supply pack. #03500500  
**Prerequisite: Art I**

### **ART III**

**CREDIT 1.0**

This third year course is designed to offer the experienced art student an advanced study in their area(s) of interest. This course involves significantly more commitment and accomplishment than the typical high school art course. Emphasis will be placed on broadening skills, developing creativity, studio production, portfolio development, individual research, and critique. Students will work in a variety of two and three-dimensional media. Students will learn to develop an understanding of the historical importance and context of visual art and be expected to create high quality work for display in a variety of local and regional art shows. Students should be aware that the pace of the class is challenging and they will be expected to complete at least three quality pieces of art per six weeks period. Additional time spent outside the classroom will be necessary. A \$40 fee is required for the purchase of a prepared supply pack. #03501300

**Prerequisite: Offered to 11<sup>th</sup> & 12<sup>th</sup> grade students only, who have successfully completed Art I and II with an overall average of 80 or above. A recommendation from the previous art teacher is required.**

### **ART IV**

**CREDIT 1.0**

This fourth year course is designed to offer the experienced and highly motivated art student an advance study in their areas of interest. This course involves significantly more commitment and accomplishment than the typical high school art course. Emphasis will be placed on broadening skills, developing creativity, studio production, portfolio development, individual research, and critique. Students will work in a variety of two and three-dimensional media. Students will learn to develop an understanding of the historical importance and context of visual art and be expected to create high quality work for display in a variety of local and regional art shows. Students should be aware that the pace of the class is challenging and they will be expected to complete at least three quality pieces of art per six weeks period. Additional time spent outside the classroom will be necessary. There will be a \$40 lab fee for the purchase of a prepared supply pack. #03502300

**Prerequisite: Offered to 12 grade students only, who have successfully completed Art I, Art II and Art III with an overall average of 80 or above. A recommendation from the previous art teacher is required.**

### **AP ART**

**CREDIT 1.0**

#### **AP 2D Design Portfolio or AP 3D Design Portfolio or AP Drawing Portfolio**

All AP Studio Art courses are designed to help students mature as artists and find their personal style and direction. Students will be continuously involved in the investigation of formal and conceptual issues as they work toward developing a strong cohesive portfolio that meets the AP requirements in Quality, Concentration, and Breadth. Students will produce digital portfolios of slides for use in the college admissions process and are prepared to submit portfolios of original work for AP evaluation. Students are expected to perform at an advance skill level while taking initiative to develop their own commitments to content and personal voice. Each student designs a concentration focused on a particular visual concern in which he or she has a compelling interest. They will learn to develop an understanding of the historical importance and context of visual art and be expected to create high quality work for display in a variety of local and regional art shows. Students should be aware that the pace of the class is challenging and they will be expected to complete at least three quality pieces of art per six weeks period. A substantial amount of work is required outside of class. For a detailed description and to learn more about this class visit: <https://apstudent.collegeboard.org/apcourse/ap-studio-art-2-d-design>

There is a \$40 lab fee for the purchase of a prepared supply pack. An additional fee may be required in order to take the AP exam. # A3500400

**Prerequisite: Offered to 12<sup>th</sup> grade students only that have successfully completed Art I, Art II and Art III with an overall average of 80 or above. A recommendation from the previous art teacher is required.**

# 4-8 Year Career Plan

## Art

<b>Endorsement: ARTS &amp; HUMANITIES</b>		<b>Graduation Requirements</b>				<b>Student Name</b> _____			
<b>Career Objective:</b> Focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content and design, journalism, and entertainment services.		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	<b>Grade</b> _____ <b>DOB</b> _____			
<b>Associate Degree:</b> Art, Photography, Desktop Publishing, Fashion Design		English	4	4	4	<b>Student Signature</b> _____ <b>Date</b> _____ <b>Parent Signature</b> _____ <b>Date</b> _____			
<b>Bachelor Degree:</b> Art, Advertising, Film, Visual Arts		Math	4	4	4				
<b>Graduate Degree:</b> Art History, Art Education		Science	4	4	4				
<b>Career Options:</b> : Artist, Sculptor, Designer, Painter, Curator		Social Studies	4	4	4				
<b>Career Learning Experiences:</b>		LOTE	2	3	2				
<b>Certificates:</b>		PE	1	1	1				
<b>College Hours Earned in HS:</b>		Technology	1	1	1				
<b>Credits Earned in Weighted Classes:</b>		Fine Art	1	1	1				
		Electives	6	5	3				
		Speech/Health	.5/.5	.5/.5	0				
		CTE Coh Seq	0	0	4				
		Credits	28	28	28				
<b>Performance Acknowledgement</b>		<b>Graduation Plan</b>			<b>EOC Standard Met</b>				
____12 hours college credit ____Associate ____Bilingualism ____Certificate ____AP Test ____PSAT,ACT,SAT		____Endorsement ____Distinguished			____Alg 1 ____Bio ____Eng 1 ____Eng 2 ____US History				
<b>My Post High School plan is to go to:</b>					<b>Name of school/military branch/job/other</b>				
____Junior College ____Technical College ____College/University ____Military ____Employment ____Other					_____				
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>		<b>Grade 12</b>				
1	ENG I, ENG I PAP	ENG II, ENG II PAP	ENG III, ENG III AP, ENG III DC		ENG IV, ENG IV AP, ENG IV DC				
2	ALG 1	MATH	MATH		MATH				
3	Bio, Bio PAP, IPC	Bio, Bio PAP, Chem	SCIENCE		SCIENCE				
4	SOCIAL STUDIES	SOCIAL STUDIES	USH, USH AP, USH DC		Gov/Eco, Gov/Eco AP, Gov/Eco DC				
5	Spanish 1	Spanish 2	Elective		Elective				
6	PE	Technology	Elective		Elective				
7	Art 1	Art 2	Art 3		Art 4 or Art 4 AP				
8	CTE	CTE	CTE		CTE				

**SAMPLE 4 YEAR PLAN ABOVE**



# BAND

During the fall semester, all band students are members of the marching band that rehearses after school hours and performs at all varsity football games, selected competitions, and local school and community events. Students in Marching Band in the fall semester may substitute 0.5 credits per fall semester for the physical education graduation requirement with the remaining Band units applying toward Fine Art and or elective requirements. Students in band will also participate in U.I.L. activities and concerts throughout the year.

## **BAND I #03150300**

**CREDIT 1.0**

**Prerequisite: Approval from the Middle School Band Director or High School Band Director**

## **BAND II #03150200**

**CREDIT 1.0**

**Prerequisite: BAND I**

## **BAND III #03150300**

**CREDIT 1.0**

**Prerequisite: BAND II**

## **BAND IV #03150400**

**CREDIT 1.0**

**Prerequisite: BAND III**

## **APPLIED MUSIC I, II, III, IV**

**CREDIT 1.0**

This course is for students wishing to learn an instrument and/or advance on their current instrument. This course is competition based; students enrolled in this course will be required to compete at contests throughout the year. Students enrolled in this course will also learn music theory, music history, composition and conducting.

#03152500, 03152600, 03152601, 0315602

**Prerequisite: None for I; for II-IV credit for the previous course(s) and band director approval**

## **JAZZ BAND I, II, III, IV**

**CREDIT 1.0**

This course is limited to students who play alto saxophone, tenor saxophone, baritone saxophone, trumpet, trombone, guitar, bass guitar and drum set. Students in enrolled in Jazz band will be expected to compete at region jazz auditions and perform at all concerts. #03151300

**Prerequisite: Enrollment in Band I, II, III, or IV and Band Directors approval.**

## **COLOR GUARD I, II, III, IV**

**CREDIT 1.0**

Enrollment in this course is based off audition. Students enrolled in this course must pay for all supplies needed, attend color guard camp, attend all summer practices, compete at U.I.L. marching in the fall and compete in winter guard in the spring. #03150100

**Prerequisite: Band Directors approval**

# 4-8 Year Career Plan Music

<b>Endorsement: ARTS &amp; HUMANITIES</b>		<b>Graduation Requirements</b>				<b>Student Name</b> _____	
<b>Career Objective:</b> Focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. <b>Associate Degree:</b> Music <b>Bachelor Degree:</b> Music, Music Education, Music History, Vocal Performance, Communications, Composition, Theater <b>Graduate Degree:</b> : Music, Jazz Studies, Theater, Communications <b>Career Options:</b> Composer, Musician, Singer, Conductor, Public Relations Director <b>Career Learning Experiences:</b> <b>Certificates:</b> <b>College Hours Earned in HS:</b> <b>Credits Earned in Weighted Classes:</b>		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	<b>Grade</b> _____ <b>DOB</b> _____	
		English	4	4	4		
		Math	4	4	4		
		Science	4	4	4		
		Social Studies	4	4	4		
		LOTE	2	3	2	<b>Student Signature</b> _____	
		PE	1	1	1		
		Technology	1	1	1	<b>Date</b> _____	
		Fine Art	1	1	1		
		Electives	6	5	3	<b>Parent Signature</b> _____	
		Speech/Health	.5/.5	.5/.5	0		
		CTE Coh Seq	0	0	4		
Credits	28	28	28	<b>Date</b> _____			
<b>Performance Acknowledgement</b> ____12 hours college credit____Associate____Bilingualism Certificate____AP Test____PSAT,ACT,SAT		<b>Graduation Plan</b> ____Endorsement____Distinguished		<b>EOC Standard Met</b> ____Alg 1____Bio____Eng 1____Eng 2____US History			
<b>My Post High School plan is to go to:</b> ____Junior College____Technical College____College/University____Military____Employment____Other				<b>Name of school/military branch/job/other</b> _____			
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>			
1	ENG I, ENG I PAP	ENG II, ENG II PAP	ENG III, ENG III AP, ENG III DC	ENG IV, ENG IV AP, ENG IV DC			
2	ALG 1	MATH	MATH	MATH			
3	SCIENCE: Bio, Bio PAP, IPC	SCIENCE: Bio, Bio PAP, Chem	SCIENCE	SCIENCE			
4	SOCIAL STUDIES	SOCIAL STUDIES	USH, USH AP, USH DC	Gov/Eco, Gov/Eco AP, Gov/Eco DC			
5	Spanish 1	Spanish 2	Elective	Elective			
6	PE	Technology	Elective	Elective			
7	Band I, Applied Music, Color Guard, Jazz Band	Band II, Applied Music, Color Guard, Jazz Band	Band III, Applied Music, Color Guard, Jazz Band	Band IV, Applied Music, Color Guard, Jazz Band			
8	CTE	CTE	CTE	CTE			

**SAMPLE 4 YEAR PLAN ABOVE**

# THEATRE

## THEATRE ARTS I

**CREDIT 1.0**

This is an introductory course into the study of all realms of the theatre. Covering the beginning of theatre and acting and the basic concepts including play and character analysis as well as some aspects associated with technical theatre. Activities include theatre games, role-playing and improvisations and the performances of scenes and monologues from plays. #03250100

**Prerequisite: No**

## THEATRE ARTS II

**CREDIT 1.0**

This course is designed for the continuation of the performance aspects of theatre. #03250200

**Prerequisite: Theatre Arts I**

## THEATRE ARTS III

**CREDIT 1.0**

This course is designed for the continuation of the performance aspects of theatre. #03250300

**Prerequisite: Theatre Arts II**

## THEATRE ARTS IV

**CREDIT 1.0**

This course is designed for the continuation of the performance aspects of theatre. #03250400

**Prerequisite: Theatre Arts III and teacher recommendation must be secured for enrollment.**

## TECHNICAL THEATRE

**CREDIT 1.0**

This course is designed for those students who are interested in theatre but not particularly in performing in plays. Tech theatre will fulfill the Fine Arts requirement or an Elective requirement. This is a hands-on course, using a variety approaches, students will design sets and props, construct model sets, design sound, and construct props or costumes for a variety of plays. Studies also learn the lighting system, sound system and backstage organization of our theatre. A terrific artist you do not have to be! Enrollment is limited. #03250500

**Prerequisite: Theatre Arts I**

## THEATRE PRODUCTION

**CREDIT 1.0**

Theatre Production is a co-curricular laboratory for the exploration, development, and synthesis of all the elements of theatre. This course supplements other theatre arts and technical theatre courses that concentrate on theories, information, and techniques, by providing for the integration and implementation of those ideas and skills. Practical experiences in acting and stagecraft are provided through the preparation and public performances of one or more plays. Students who enroll in Theatre Production are expected to participate and/or audition for all THS play productions. #03250700

**Prerequisite: Theatre I or Technical Theatre I AND audition/approval from instructor.**

# 4-8 Year Career Plan Theatre

<b>Endorsement: ARTS &amp; HUMANITIES</b>		<b>Graduation Requirements</b>				<b>Student Name</b> _____	
<b>Career Objective:</b> Focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content and design, journalism, and entertainment services.		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	<b>Grade</b> _____ <b>DOB</b> _____	
<b>Associate Degree:</b> Broadcast, Light, Film, Set Design, Sound		English	4	4	4	<b>Student Signature</b>  _____ <b>Date</b>  _____ <b>Parent Signature</b>  _____	
<b>Bachelor Degree:</b> : Dance, Communications, Drama, Photography, Radio/TV/Film		Math	4	4	4		
<b>Graduate Degree:</b> Communications, Drama		Science	4	4	4		
<b>Career Options:</b> Director, Actor, Script Writer, Editor, Public Relations Director, Set Designer, Sound Engineer		Social Studies	4	4	4		
<b>Career Learning Experiences:</b>		LOTE	2	3	2		
<b>Certificates:</b>		PE	1	1	1		
<b>College Hours Earned in HS:</b>		Technology	1	1	1		
<b>Credits Earned in Weighted Classes:</b>		Fine Art	1	1	1		
		Electives	6	5	3		
		Speech/Health	.5/.5	.5/.5	0		
		CTE Coh Seq	0	0	4		
		Credits	28	28	28		
<b>Performance Acknowledgement</b> ____12 hours college credit ____Associate ____Bilingualism ____Certificate ____AP Test ____PSAT,ACT,SAT			<b>Graduation Plan</b> ____Endorsement ____Distinguished		<b>EOC Standard Met</b> ____Alg 1 ____Bio ____Eng 1 ____Eng 2 ____US History		
<b>My Post High School plan is to go to:</b> ____Junior College ____Technical College ____College/University ____Military ____Employment ____Other					<b>Name of school/military branch/job/other</b> _____		
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>			
1	ENG I, ENG I PAP	ENG II, ENG II PAP	ENG III, ENG III AP, ENG III DC	ENG IV, ENG IV AP, ENG IV DC			
2	ALG 1	MATH	MATH	MATH			
3	SCIENCE: Bio, Bio PAP, IPC	SCIENCE: Bio, Bio PAP, Chem	SCIENCE	SCIENCE			
4	SOCIAL STUDIES	SOCIAL STUDIES	USH, USH AP, USH DC	Gov/Eco, Gov/Eco AP, Gov/Eco DC			
5	Spanish 1	Spanish 2	Elective	Elective			
6	PE	Technology	Technical Theatre	Theatre Production			
7	Theatre Arts I	Theatre Arts II	Theatre Arts III	Theatre Arts IV			
8	CTE	CTE	CTE	CTE			

**SAMPLE 4 YEAR PLAN ABOVE**

## **BUSINESS & INDUSTRY ENDORSEMENT**

The Business and Industry endorsement is a curriculum path that allows a student to focus deeply on courses directly related to the business field.

A student may earn a business and industry endorsement by completing the requirements specified in the foundation plan in addition to one of the following:

- A sequence of courses for 4 or more credits in Career and Technical Education (CTE) that consist of at least 2 courses in the same career cluster, including at least one advanced CTE course. The final course in the sequence must be selected from one of the following CTE career clusters:

**Agriculture, Food, & Natural Resources**

**Arts, Audio Video Technology & Communication**

**Business Management & Administration**

**Finance**

**Hospitality & Tourism**

**Manufacturing**

**Transportation, Distribution, & Logistics**

- or 4 approved Technology credits

# Agriculture, Food, & Natural Resources

## **PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES**

**CREDIT 1.0**

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, industry standards, details, practices, and expectations. This course will give an overview of soil and plants, animals, and agricultural construction. #13000200

**Prerequisite: No**

## **LIVESTOCK PRODUCTION**

**CREDIT 1.0**

This class introduces the common veterinary skills and procedures used on livestock, anatomy of livestock, genetics and reproduction, and diseases that can affect all livestock animals. This course is recommended for those that have an interest in the Veterinary Science field. #13000300

**Prerequisite: Principles of Agriculture Food, & Natural Resources**

## **SMALL ANIMAL MANAGEMENT (fall)**

**CREDIT 0.5**

This course will focus on working in the small animal industry, animal rights and welfare, and career opportunities in small animal care. This course is recommended for those that have an interest in the Veterinary Science field. #13000400

**Prerequisite: Principles of Agriculture Food, & Natural Resources**

## **EQUINE SCIENCE (spring)**

**CREDIT 0.5**

Develop knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses. This course is recommended for those that have an interest in the Veterinary Science field. #13000500

**Prerequisite: Principles of Agriculture Food, & Natural Resources**

## **VETERINARY MEDICAL APPLICATIONS**

**CREDIT 1.0**

This course is designed as a laboratory- oriented course that allows students hands-on experience within the area of diagnostic testing, client records, employer/employee relationship, and techniques used in surgical practices. Students are required to complete an internship with licensed Veterinarian in order to take the state certification test for Veterinary Assistant Level I. #13000600

**Prerequisite: Principles of AFN&R; Small Animal Mgmt; Equine Science; for 11<sup>th</sup> & 12<sup>th</sup> grade students; teacher recommendation due to internship requirements**

## **ADVANCED ANIMAL SCIENCE**

**CREDIT 1.0**

This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. #13000700

**Prerequisite: Principles of Agriculture Food, & Natural Resources and 2 science credits**

## **MATHEMATICAL APPLICATIONS IN AGRICULTURE FOOD, & NATURAL RESOURCES**

**CREDIT 1.0**

In this course students will apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. To prepare for success, students are afforded opportunities to analyze mathematical problem statements that are essential to agribusiness, animal, environmental service, food products and processing, natural resources, plant, and power, structural, and technical systems. #13001000

**Prerequisite: Principles of Agriculture, Food, & Natural Resources and 2 math credits**

## **WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT**

**CREDIT 1.0**

Examines the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Students will also examine the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs. ***Students are able to obtain their Hunter Safety certification during this course if they pass their exam.*** #13001500

**Prerequisite: Principles of Agriculture, Food, & Natural Resources**

## **FORESTRY AND WOODLAND ECOSYSTEMS (spring)**

**CREDIT 1.0**

Acquires, develops, and delivers scientific knowledge and management tools for sustaining and restoring the health, biodiversity, productivity, and ecosystem processes of forest and woodland landscapes. This research is critical in light of the multiple and varied threats that these ecosystems face, including urbanization and human developments, extreme wildfire events, insect and disease outbreaks, exotic species invasions, and drought.

#13001500

**Prerequisite: Principles of Agriculture, Food, & Natural Resources**

## **AGRICULTURAL MECHANICS & METAL TECHNOLOGIES**

**CREDIT 1.0**

Develops proficiency in many welding skills. Students will be expected to use the cutting torch and MIG Welders. Welding in several positions, which include flat, horizontal, and vertical. The course develops an understanding of tool operation, electrical wiring, plumbing, carpentry, and metal working techniques. #13002200

**Prerequisite: Principles of Agriculture, Food, & Natural Resources**

## **AGRICULTURAL FACILITIES DESIGN & FABRICATION**

**CREDIT 2.0**

Introduce and develop principles of electricity. Geographic Information Systems (GIS), working with concrete, water-management systems, masonry, drywall, and roofing materials. #13002300

**Prerequisite: Agricultural Mechanics & Metal Technologies**

## **AGRICULTURAL POWER SYSTEMS**

**CREDIT 2.0**

This laboratory-oriented course focuses on skills and knowledge necessary for the maintenance, repair, and reconditioning of agricultural tractors, machinery, and equipment. Basic principles of operation are emphasized while system monitors, precision technology, and information technology are included. #13002400

**Prerequisite: Agricultural Facilities Design & Fabrication**

## 4-8 Year Career Plan Agricultural, Food, & Natural Resources

<b>Endorsement: BUSINESS &amp; INDUSTRY</b>		<b>Graduation Requirements</b>				<b>Student Name</b> _____	
<b>Career Objective:</b> The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood, natural resources, horticulture, and plant/animal products and resources.		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	<b>Grade</b> ____ <b>DOB</b> _____	
<b>Associate Degree:</b> Vet Tech		English	4	4	4	<b>Student Signature</b> _____ <b>Date</b> _____ <b>Parent Signature</b> _____ <b>Date</b> _____	
<b>Bachelor Degree:</b> Ag Business, Animal Science, Ag & Bio Engineering, Food Sci Tech		Math	4	4	4		
<b>Graduate Degree:</b> Soil Science, Plant Biotech, Dr of Vet Med, Environmental Studies		Science	4	4	4		
<b>Career Options:</b> Ag Researcher ,Soil Scientist, Vet, Zoo Keeper, Meat Processor, Landscaper		Social Studies	4	4	4		
<b>Career Learning Experiences:</b>		LOTE	2	3	2		
<b>Certificates:</b>		PE	1	1	1		
<b>College Hours Earned in HS:</b>		Technology	1	1	1		
<b>Credits Earned in Weighted Classes:</b>		Fine Art	1	1	1		
		Electives	6	5	3		
		Speech/Health	.5/.5	.5/.5	0		
		CTE Coh Seq	0	0	4		
		Credits	28	28	28		
<b>Performance Acknowledgement</b> ____12 hours college credit ____ Associate ____ Bilingualism ____ Certificate ____ AP Test ____ PSAT,ACT,SAT		<b>Graduation Plan</b> ____ Endorsement ____ Distinguished		<b>EOC Standard Met</b> ____ Alg 1 ____ Bio ____ Eng 1 ____ Eng 2 ____ US History			
<b>My Post High School plan is to go to:</b> ____ Junior College ____ Technical College ____ College/University ____ Military ____ Employment ____ Other				<b>Name of school/military branch/job/other</b> _____			
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>		<b>Grade 12</b>		
1	ENG I, ENG I PAP	ENG II, ENG II PAP	ENG III, ENG III AP, ENG III DC		ENG IV, ENG IV AP, ENG IV DC		
2	ALG 1	MATH	MATH		MATH		
3	SCIENCE: Bio, Bio PAP, IPC	SCIENCE: Bio, Bio PAP, Chem	SCIENCE		Advanced Animal Science		
4	SOCIAL STUDIES	SOCIAL STUDIES	USH, USH AP, USH DC		Gov/Eco, Gov/Eco AP, Gov/Eco DC		
5	Spanish 1	Spanish 2	Elective		Elective		
6	PE	Technology	Fine Art		Mathematical Applications in AFNR		
7	Prin of Ag, Food, and Natural Res	Livestock Prod or Equine Sci	Wildlife, Fish and Ecology		Agribus Manage or Vet Med App		
8	Elective	Elective	Elective		Elective		

**SAMPLE 4 YEAR PLAN ABOVE**



# Arts, Audio Video Technology & Communication

## PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, & COMMUNICATION

**CREDIT 1.0**

Students will study digital and interactive media and its application in information technology, and will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students employ/enhance effective reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. #13008200

**Prerequisite: No, but it is strongly recommended that the student has basic computer skills.**

## GRAPHIC DESIGN & ILLUSTRATION

**CREDIT 1.0**

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. *Students in this class have the opportunity to earn a certificate in Adobe Photoshop CC.* #13008800

**Prerequisite: Principles of Arts,A/VT&C . This class is recommended for 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade students only. It is highly recommended that the student has already completed 1 year of High School Art.**

## ANIMATION

**CREDIT 1.0**

Students will study digital and interactive media and its application in information technology, and will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. *Students in this class have the opportunity to earn a certificate in Flash CC.* #13008300

**Prerequisite: Graphic Design & Illustration or Art I. This class is for 11<sup>th</sup>, or 12<sup>th</sup> grade students only.**

## WEB TECHNOLOGIES

**CREDIT 1.0**

Using web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students employ/enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. *Students in this class have the opportunity to earn a certificate in Adobe Dreamweaver CC.* #13027900

**Prerequisite: Animation and this class is for 11<sup>th</sup> or 12<sup>th</sup> grade students only. It is highly recommended that the student has already completed 1 year of High School Art.**

## **INDEPENDENT STUDY IN TECHNOLOGY APPLICATIONS**

**CREDIT 1.0**

Through the study of technology applications or the study of evolving/emerging technologies, including technology-related terms, concepts, and data input strategies, students will communicate information in different formats and to diverse audiences using a variety of technologies. Students will learn to make informed decisions, develop and produce original work that exemplifies the standard identified by the selected profession or discipline, and publish the product in electronic media and print. . **Students in this class have the opportunity to earn a certificate in their choices of Adobe Photoshop CC, Flash CC, Dreamweaver CC, Illustrator CC, and InDesign CC.** #03580900

**Prerequisite: This class is for 11<sup>th</sup> or 12<sup>th</sup> grade students only and approval from the teacher is required.**

## **ADVANCED JOURNALISM/YEARBOOK I & II**

**CREDIT 1.0**

Students enrolled in this class, which is often referred to as Yearbook I and II, communicate in a variety of forms, such as print, digital, or online media for a variety of audiences and purposes. Students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Students are expected to use the skills necessary to plan and produce a publication and to create and execute a financial plan for supporting the yearbook publication, such as sales and advertising. Students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. #13008500; 13009600

**Prerequisite: 11<sup>th</sup> or 12<sup>th</sup> grade students only and approval from teacher to be on the yearbook staff.**

# 4-8 Year Career Plan

## Arts, Audio Video Technology & Communication

<b>Endorsement: BUSINESS &amp; INDUSTRY</b>		<b>Graduation Requirements</b>			Student Name _____ Grade _____ DOB _____  Student Signature _____ Date _____  Parent Signature _____ Date _____	
<b>Career Objective:</b> Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>		<b>Endorsement Class of 2017 and beyond</b>
<b>Associate Degree:</b> Graphic Design, Art, Fashion Design, Game Design, Live Entertainment Tech, Visual		English	4	4		4
<b>Bachelor Degree:</b> Gra Des, Eng, Art, Music, Drama, PR, Dance, Comm, Jour, Radio, Film, TV, Advertising, Photo,		Math	4	4		4
<b>Graduate Degree:</b> Art Ed, Drama, Music, Comm, Eng, Journalism, Advertising, Marketing		Science	4	4		4
<b>Career Options:</b> Film/Radio/TV Director, Lighting Tech, Actor, Camera Operator, Station Manager, Events Coordinator, Author, Conductor, Artist		Social Studies	4	4		4
<b>Career Learning Experiences:</b>		LOTE	2	3		2
<b>Certificates:</b>		PE	1	1		1
<b>College Hours Earned in HS:</b>		Technology	1	1		1
<b>Credits Earned in Weighted Classes:</b>		Fine Art	1	1		1
		Electives	6	5		3
		Speech/Health	.5/.5	.5/.5	0	
		CTE Coh Seq	0	0	4	
		Credits	28	28	28	
<b>Performance Acknowledgement</b>		<b>Graduation Plan</b>		<b>EOC Standard Met</b>		
<input type="checkbox"/> 12 hours college credit <input type="checkbox"/> Associate <input type="checkbox"/> Bilingualism <input type="checkbox"/> Certificate <input type="checkbox"/> AP Test <input type="checkbox"/> PSAT,ACT,SAT		<input type="checkbox"/> Endorsement <input type="checkbox"/> Distinguished		<input type="checkbox"/> Alg 1 <input type="checkbox"/> Bio <input type="checkbox"/> Eng 1 <input type="checkbox"/> Eng 2 <input type="checkbox"/> US History		
<b>My Post High School plan is to go to:</b>				<b>Name of school/military branch/job/other</b>		
<input type="checkbox"/> Junior College <input type="checkbox"/> Technical College <input type="checkbox"/> College/University <input type="checkbox"/> Military <input type="checkbox"/> Employment <input type="checkbox"/> Other				_____		
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>		
1	ENG I, ENG I PAP	ENG II, ENG II PAP	ENG III, ENG III AP, ENG III DC	ENG IV, ENG IV AP, ENG IV DC		
2	ALG	MATH	MATH	MATH		
3	SCIENCE: Bio, Bio PAP, IPC	SCIENCE: Bio, Bio PAP, Chem	SCIENCE	SCIENCE		
4	SOCIAL STUDIES	SOCIAL STUDIES	USH, USH AP, USH DC	Gov/Eco, Gov/Eco AP, Gov/Eco DC		
5	Spanish 1	Spanish 2	Elective	Elective		
6	PE	Technology	Web Technologies	Advanced Journalism/Yearbook		
7	Prin of Arts, Audio Video Tech, & Comm	Graphic Design & Illustration	Animation	Independent Study		
8	Art	Elective	Elective	Elective		

**SAMPLE 4 YEAR PLAN ABOVE**

# Business Management & Administration

## **PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE**

**CREDIT 1.0**

What is the difference between a want and a need? How do businesses satisfy our wants and needs with limited resources? What are the different types of business and how does government influence our economy and business decisions? This introductory course will cover basic business concepts, including those mentioned above, plus many more. Students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing, advertising, and product pricing. Students analyze the sales process and financial management principles. #13011200

**Prerequisite: No**

## **BUSINESS INFORMATION MANAGEMENT I**

**CREDIT 1.0**

“Principles of Information Technology” is a class designed to learn, practice and master word processing, spreadsheet, database, desktop publishing, webpage design and presentation software (the Microsoft Office Suite). The business world runs on Microsoft Word, Excel, PowerPoint, and Access. Knowing how to use these programs will give you an advantage when applying for a job, as the skills learned in this class are essential in today's fast-paced, information-driven world. In addition, units integrating the basics of telecommunications and networking will be practiced. #13011400

**Prerequisite: Student should feel comfortable using computers.**

## **BUSINESS INFORMATION MANAGEMENT II**

**CREDIT 1.0**

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and post-secondary education. Students will apply complex technical skills through word-processing and spreadsheet, and developing electronic presentations using multimedia software. Certifications can be acquired through Microsoft Office 2013 upon passing a certification test. *Students can receive certifications in Word 2013, PowerPoint 2013, Outlook 2013, Access 2013, and Excel 2013.* #13011500

**Prerequisite: Business Information Management I**

## **VIRTUAL BUSINESS (fall)**

**CREDIT 0.5**

Working on a virtual computer simulation and using skills learned in class, including legal, managerial, marketing, financial, ethical, and international dimensions of business, they will make appropriate business decisions to grow their business. Students will identify steps needed to locate customers, set fees, and develop client contracts. Student will be able to provide administrative, creative, and technical services using advanced technological modes of communication and data delivery.

**Prerequisite: No, but coincides with Dollars and Sense. #13012000**

## 4-8 Year Career Plan Business Management & Administration

<b>Endorsement: BUSINESS &amp; INDUSTRY</b>		<b>Graduation Requirements</b>			<b>Student Name</b> _____	
<b>Career Objective:</b> Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	<b>Grade</b> _____ <b>DOB</b> _____
<b>Associate Degree:</b> Accounting, Business, Human Resources		English	4	4	4	<b>Student Signature</b> _____ <b>Date</b> _____
<b>Bachelor Degree:</b> Accounting, Business, Finance, Human Resources		Math	4	4	4	
<b>Graduate Degree:</b> Accounting, Business, Administration, Economics		Science	4	4	4	
<b>Career Options:</b> Office Manager, Financial Officer, Bookkeeper, Accountant, Auditor, Human Resource Manager		Social Studies	4	4	4	
<b>Career Learning Experiences:</b>		LOTE	2	3	2	
<b>Certificates:</b>		PE	1	1	1	
<b>College Hours Earned in HS:</b>		Technology	1	1	1	
<b>Credits Earned in Weighted Classes:</b>		Fine Art	1	1	1	
		Electives	6	5	3	
		Speech/Health	.5/.5	.5/.5	0	
		CTE Coh Seq	0	0	4	<b>Parent Signature</b> _____ <b>Date</b> _____
		Credits	28	28	28	
<b>Performance Acknowledgement</b> ____12 hours college credit ____Associate ____Bilingualism ____Certificate ____AP Test ____PSAT,ACT,SAT			<b>Graduation Plan</b> ____Endorsement ____Distinguished		<b>EOC Standard Met</b> ____Alg 1 ____Bio ____Eng 1 ____Eng 2 ____US History	
<b>My Post High School plan is to go to:</b> ____Junior College ____Technical College ____College/University ____Military ____Employment ____Other					<b>Name of school/military branch/job/other</b> _____	
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>		<b>Grade 12</b>	
1	ENG I, ENG I PAP	ENG II, ENG II PAP	ENG III, ENG III AP, ENG III DC		ENG IV, ENG IV AP, ENG IV DC	
2	ALG 1	MATH	MATH		MATH	
3	SCIENCE: Bio, Bio PAP, IPC	SCIENCE: Bio, Bio PAP, Chem	SCIENCE		SCIENCE	
4	SOCIAL STUDIES	SOCIAL STUDIES	USH, USH AP, USH DC		Gov/Eco, Gov/Eco AP, Gov/Eco DC	
5	Spanish 1	Spanish 2	Elective		Elective	
6	PE	Technology	Art			
7	Principles of Business, Marketing & Finance / Dollars & Sense	Business Information Management I	Business Information Management II		Accounting, Statistics	
8	Elective	Elective	Elective		Elective	

**SAMPLE 4 YEAR PLAN ABOVE**

# Finance

## ACCOUNTING I

**CREDIT 1.0**

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making. #13016600

**Prerequisite: No, but working with numbers is required in this class, so an interest in math is strongly recommended.**

## ACCOUNTING II

**CREDIT 1.0**

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. #13016700

**Prerequisite: Accounting I**

## DOLLARS & SENSE (spring)

**CREDIT 0.5**

Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations. #13024300

**Prerequisite: No, but working with numbers is required in this class, so an interest in math is strongly recommended. Follows Virtual Business.**

## STATISTICS AND RISK MANAGEMENT

**CREDIT 1.0**

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid. #13016900

**Prerequisite: Algebra II; Accounting I strongly recommended**

# 4-8 Year Career Plan Finance

<b>Endorsement: BUSINESS &amp; INDUSTRY</b>		<b>Graduation Requirements</b>			Student Name _____	
<b>Career Objective:</b> Planning and related services for financial and investment planning, banking, insurance, and business financial management.		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	Grade ____ DOB _____
<b>Associate Degree:</b> Business, Bookkeeping		English	4	4	4	Student Signature _____ Date _____ Parent Signature _____ Date _____
<b>Bachelor Degree:</b> Accounting, Business, Finance, Economics		Math	4	4	4	
<b>Graduate Degree:</b> Accounting, Business, Finance, Economics, Law, Management		Science	4	4	4	
<b>Career Options:</b> Bookkeeper, Loan Officer, Accountant, Legal Assistant, IRS Agent, Actuary, Insurance Agent		Social Studies	4	4	4	
		LOTE	2	3	2	
<b>Career Learning Experiences:</b>		PE	1	1	1	
		Technology	1	1	1	
<b>Certificates:</b>		Fine Art	1	1	1	
		Electives	6	5	3	
<b>College Hours Earned in HS:</b>		Speech/Health	.5/.5	.5/.5	0	
		CTE Coh Seq	0	0	4	
<b>Credits Earned in Weighted Classes:</b>		Credits	28	28	28	
<b>Performance Acknowledgement</b>		<b>Graduation Plan</b>		<b>EOC Standard Met</b>		
____12 hours college credit ____Associate ____Bilingualism ____Certificate ____AP Test ____PSAT,ACT,SAT		____Endorsement ____Distinguished		____Alg 1 ____Bio ____Eng 1 ____Eng 2 ____US History		
<b>My Post High School plan is to go to:</b>				<b>Name of school/military branch/job/other</b>		
____Junior College ____Technical College ____College/University ____Military ____Employment ____Other				_____		
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>		
1	ENG I, ENG I PAP	ENG II, ENG II PAP	ENG III, ENG III AP, ENG III DC	ENG IV, ENG IV AP, ENG IV DC		
2	ALG 1	MATH	MATH	MATH		
3	SCIENCE: Bio, Bio PAP, IPC	SCIENCE: Bio, Bio PAP, Chem	SCIENCE	SCIENCE		
4	SOCIAL STUDIES	SOCIAL STUDIES	USH, USH AP, USH DC	Gov/Eco, Gov/Eco AP, Gov/Eco DC		
5	Spanish 1	Spanish 2	Fine Art	Elective		
6	PE	Elective	Elective	Statistics		
7	Principles of Business, Marketing & Finance / Dollars & Sense	Business Information Management I	Accounting I	Accounting II		
8	Elective	Elective	Elective	Elective		

**SAMPLE 4 YEAR PLAN ABOVE**

# Hospitality & Tourism

## **PRINCIPLES OF HOSPITALITY & TOURISM**

**CREDIT 1.0**

The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. #13022200

**Prerequisite: No; recommended for 9<sup>th</sup> & 10<sup>th</sup> grade.**

## **INTRODUCTION TO CULINARY ARTS**

**CREDIT 1.0**

This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. Students will gain insight into the operation of a well-run restaurant. Students have the opportunity to earn ServeSAFE certification. #13022400

**Prerequisite: Principles of Hospitality & Tourism; recommended for grades 10-12**

## **CULINARY ARTS**

**CREDIT 2.0**

This laboratory-based course begins with the fundamentals and principles of the art of food preparation and includes management and production skills and techniques. Students can pursue a national sanitation certification and other appropriate industry certifications. The knowledge and skills required for careers in the restaurant, food, and beverage industry are practiced as food is prepared. #13022600

**Prerequisite: Intro to Culinary Arts/Restaurant Management and teacher recommendation for grades 11-12**

## **ADVANCED CULINARY ARTS**

**CREDIT 2.0**

This course combines classroom instruction with actual business and industry career experiences and integrates academic and career technical education; provides for more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions. #13022900

**Prerequisite: Teacher recommendation for 12<sup>th</sup> grade students only**

## **FOOD SCIENCE**

**CREDIT 1.0**

Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. #13023000

**Prerequisite: Principles of Hospitality & Tourism and 3 units of science; recommended for grade 12**



## 4-8 Year Career Plan Hospitality & Tourism

<b>Endorsement: BUSINESS &amp; INDUSTRY</b>		<b>Graduation Requirements</b>				<b>Student Name</b> _____	
<b>Career Objective:</b> Preparing individuals for employment in career pathways that relate to families and human needs such as restaurant and food/beverage services, lodging, travel and tourism, recreation, amusement and attractions. <b>Associate Degree:</b> Bakery/Pastry Chef <b>Bachelor Degree:</b> Hospitality, Administration, Hotel & Restaurant Management <b>Graduate Degree:</b> Hotel & Restaurant Management, Business <b>Career Options :</b> Chef, Hotel Manager, Caterer, Travel Agent, Recreations Manager, Executive Housekeeper, Parks and Gardens Director <b>Career Learning Experiences:</b> <b>Certificates:</b> Serve Safe <b>College Hours Earned in HS:</b> <b>Credits Earned in Weighted Classes:</b>		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	<b>Grade</b> _____ <b>DOB</b> _____	
		English	4	4	4	<b>Student Signature</b> _____ <b>Date</b> _____ <b>Parent Signature</b> _____ <b>Date</b> _____	
		Math	4	4	4		
		Science	4	4	4		
		Social Studies	4	4	4		
		LOTE	2	3	2		
		PE	1	1	1		
		Technology	1	1	1		
		Fine Art	1	1	1		
		Electives	6	5	3		
Speech/Health	.5/.5	.5/.5	0				
CTE Coh Seq	0	0	4				
Credits	28	28	28				
<b>Performance Acknowledgement</b>		<b>Graduation Plan</b>		<b>EOC Standard Met</b>			
____12 hours college credit ____Associate ____Bilingualism ____Certificate ____AP Test ____PSAT,ACT,SAT		____Endorsement ____Distinguished		____Alg 1 ____Bio ____Eng 1 ____Eng 2 ____US History			
<b>My Post High School plan is to go to:</b>				<b>Name of school/military branch/job/other</b>			
____Junior College ____Technical College ____College/University ____Military ____Employment ____Other				_____			
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>			
1	ENG I, ENG I PAP	ENG II, ENG II PAP	ENG III, ENG III AP, ENG III DC	ENG IV, ENG IV AP, ENG IV DC			
2	ALG 1	MATH	MATH	MATH			
3	SCIENCE: Bio, Bio PAP, IPC	SCIENCE: Bio, Bio PAP, Chem	SCIENCE	SCIENCE			
4	SOCIAL STUDIES	SOCIAL STUDIES	USH, USH AP, USH DC	Gov/Eco, Gov/Eco AP, Gov/Eco DC			
5	Spanish 1	Spanish 2	Elective	Food Science			
6	PE	Technology	Elective	Culinary Arts II			
7	Principles of Hospitality & Tourism	Introduction to Culinary Arts	Culinary Arts I	Culinary Arts II			
8	Art	Elective	Elective	Elective			

**SAMPLE 4 YEAR PLAN ABOVE**

# Manufacturing

## **PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES**

**CREDIT 1.0**

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, industry standards, details, practices, and expectations. This course will give an overview of soil and plants, animals, and agricultural construction. #13000200

**Prerequisite: No**

## **AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES**

**CREDIT 1.0**

Develops proficiency in many welding skills. Students will be expected to use the cutting torch and MIG Welders. Welding in several positions, which include flat, horizontal, and vertical. The course develops an understanding of tool operation, electrical wiring, plumbing, carpentry, and metal working techniques. #13002200

**Prerequisite: Principles of Agriculture Food, & Natural Resources**

## **AGRICULTURAL FACILITIES DESIGN AND FABRICATION**

**CREDIT 1.0**

Introduce and develop principles of electricity. Geographic Information Systems (GIS), working with concrete, water-management systems, masonry, drywall, and roofing materials. #13002300

**Prerequisite: Agricultural Mechanics & Metal Technologies**

## **AGRICULTURAL POWER SYSTEMS**

**CREDIT 2.0**

This laboratory-oriented course focuses on skills and knowledge necessary for the maintenance, repair, and reconditioning of agricultural tractors, machinery, and equipment. Basic principles of operation are emphasized while system monitors, precision technology, and information technology are included. #13002400

**Prerequisite: Agricultural Facilities Design & Fabrication**

## 4-8 Year Career Plan Manufacturing

<b>Endorsement: BUSINESS &amp; INDUSTRY</b>		<b>Graduation Requirements</b>				<b>Student Name</b> _____	
<b>Career Objective:</b> : Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering. <b>Associate Degree:</b> Welding <b>Bachelor Degree:</b> Mechanical Engineering, Industrial Technology, Engineering <b>Graduate Degree:</b> Mechanical Engineering, Industrial Technology, Engineering <b>Career Options:</b> Welder, Safety Coordinator, Quality Control Inspector, Safety Coordinator <b>Career Learning Experiences:</b> <b>Certificates:</b> <b>College Hours Earned in HS:</b> <b>Credits Earned in Weighted Classes:</b>		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	<b>Grade</b> _____ <b>DOB</b> _____	
		English	4	4	4		
		Math	4	4	4	<b>Student Signature</b> _____ <b>Date</b> _____ <b>Parent Signature</b> _____ <b>Date</b> _____	
		Science	4	4	4		
		Social Studies	4	4	4		
		LOTE	2	3	2		
		PE	1	1	1		
		Technology	1	1	1		
		Fine Art	1	1	1		
		Electives	6	5	3		
		Speech/Health	.5/.5	.5/.5	0		
CTE Coh Seq	0	0	4				
Credits	28	28	28				
<b>Performance Acknowledgement</b> ___12 hours college credit ___Associate ___Bilingualism Certificate AP Test ___PSAT,ACT,SAT		<b>Graduation Plan</b> ___Endorsement ___Distinguished		<b>EOC Standard Met</b> ___Alg 1 ___Bio ___Eng 1 ___Eng 2 ___US History			
<b>My Post High School plan is to go to:</b> ___Junior College ___Technical College ___College/University ___Military ___Employment ___Other					<b>Name of school/military branch/job/other</b> _____		<b>Grade 10</b>
<b>Periods</b>	<b>Grade 9</b>	<b>ENG II, ENG II PAP</b>	<b>Grade 11</b>	<b>Grade 12</b>			
1	ENG I, ENG I PAP	MATH	ENG III, ENG III AP, ENG III DC	ENG IV, ENG IV AP, ENG IV DC			
2	ALG 1	SCIENCE: Bio, Bio PAP, Chem	MATH	MATH			
3	SCIENCE: Bio, Bio PAP, IPC	SOCIAL STUDIES	SCIENCE	Advanced Animal Science			
4	SOCIAL STUDIES	Spanish 2	USH, USH AP, USH DC	Gov/Eco, Gov/Eco AP, Gov/Eco DC			
5	Spanish 1	Technology	Fine Art	Elective			
6	PE	Elective	Elective	Mathematical Applications in AFNR			
7	Prin of Ag, Food, & Natural Res	Ag Mechanics & Metal Technologies	Ag Facilities Design & Fabrication	Agricultural Power Systems			
8	Elective	Elective	Ag Facilities Design & Fabrication	Elective			

**SAMPLE 4 YEAR PLAN ABOVE**

# Transportation, Distribution, & Logistics

## **ENERGY, POWER, & TRANSPORTATION SYSTEMS**

**CREDIT 1.0**

The businesses and industries of the Transportation, Distribution, and Logistics cluster are rapidly expanding to provide new career opportunities. Students will need to understand the interaction between various vehicle systems, the logistics used to move goods and services to consumers, and the components of transportation infrastructure. The majority of this class will be spent learning information in an online module with a few lab demonstrations. Students in this class have the opportunity to earn SP2 safety certification. #13039200

**Prerequisite: No**

## **AUTOMATIVE BASICS**

**CREDIT 1.0**

Students use their reading and writing skills to learn the technical knowledge of the basic 8 automotive systems, interpret vehicle maintenance and service information, and apply knowledge of tools and equipment commonly used in vehicles. Students will perform regular audits and inspections to maintain compliance with safety, health, and environmental regulations. #13039550

**Prerequisite: Energy, Power, & Transportation Systems**

## **AUTOMOTIVE TECHNOLOGY I**

**CREDIT 2.0**

In Advanced Automotive Technology, students will continue to gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. Approximately 80% of the instruction time will be spent in the lab and 20% in a classroom setting. Students in this class have the opportunity to earn an International IMAC certification and ASE student certifications. #13039700

**Prerequisite: Automotive Basics**

## **AUTOMOTIVE TECHNOLOGY II**

**CREDIT 2.0**

Students will continue to advance in the skills and knowledge from Advanced Automotive with an extensive amount of classroom time being spent in the lab. Students in this class have the opportunity to earn ASE certifications. #13040400

**Prerequisite: Advanced Automotive Technology I**

# 4-8 Year Career Plan

## Transportation, Distribution, & Logistics

<b>Endorsement: BUSINESS &amp; INDUSTRY</b>		<b>Graduation Requirements</b>				<b>Student Name</b> _____	
<b>Career Objective:</b> Focus on careers in the planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional and technical support services.		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	<b>Grade</b> _____ <b>DOB</b> _____	
<b>Associate Degree:</b> Auto/Diesel Tech, Logistics Management		English	4	4	4	<b>Student Signature</b> _____ <b>Date</b> _____	
<b>Bachelor Degree:</b> Engineering, Business, Aerospace Engineering		Math	4	4	4		
<b>Graduate Degree:</b> Engineering, Business, Aerospace Engineering		Science	4	4	4		
<b>Career Options:</b> Rail, Auto, Boat, Air-Diesel/Gas, Auto Specialty Technician, Facility Maintenance Manager		Social Studies	4	4	4		
<b>Career Learning Experiences:</b>		LOTE	2	3	2		
<b>Certificates:</b>		PE	1	1	1		
<b>College Hours Earned in HS:</b>		Technology	1	1	1		
<b>Credits Earned in Weighted Classes:</b>		Fine Art	1	1	1		
		Electives	6	5	3		
		Speech/Health	.5/.5	.5/.5	0		
		CTE Coh Seq	0	0	4	<b>Parent Signature</b> _____ <b>Date</b> _____	
		<b>Credits</b>	<b>28</b>	<b>28</b>	<b>28</b>		
<b>Performance Acknowledgement</b> ____ 12 hours college credit ____ Associate ____ Bilingualism ____ Certificate ____ AP Test ____ PSAT,ACT,SAT			<b>Graduation Plan</b> ____ Endorsement ____ Distinguished		<b>EOC Standard Met</b> ____ Alg 1 ____ Bio ____ Eng 1 ____ Eng 2 ____ US History		
<b>My Post High School plan is to go to:</b> ____ Junior College ____ Technical College ____ College/University ____ Military ____ Employment ____ Other					<b>Name of school/military branch/job/other</b> _____		
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>			
1	ENG I, ENG I PAP	ENG II, ENG II PAP	ENG III, ENG III AP, ENG III DC	ENG IV, ENG IV AP, ENG IV DC			
2	ALG 1	MATH	MATH	MATH			
3	SCIENCE: Bio, Bio PAP, IPC	SCIENCE: Bio, Bio PAP, Chem	SCIENCE	SCIENCE			
4	SOCIAL STUDIES	SOCIAL STUDIES	USH, USH AP, USH DC	Gov/Eco, Gov/Eco AP, Gov/Eco DC			
5	Spanish 1	Spanish 2	Fine Art	Elective			
6	PE	Technology	Elective	Elective			
7	Energy, Power, & Transportations Systems	Automotive	Advanced Automotive I	Advanced Automotive II			
8	Elective	Elective	Advanced Automotive I	Advanced Automotive II			

**SAMPLE 4 YEAR PLAN ABOVE**

## **PUBLIC SERVICE ENDORSEMENT**

**The Public Services endorsement is a curriculum path that allows a student to focus deeply on courses directly related to the public services field, including the education field and government.**

**A student may earn a public services endorsement by completing the requirements specified in the foundation plan and a sequence of courses for four or more credits in career and technical education (CTE) that consists of at least two courses in the same career cluster, including at least one advanced CTE course.**

- **Health Science**

### **Health Science**

#### **PRINCIPLES OF HEALTH SCIENCE**

**CREDIT 1.0**

The Principles of Health Science provides an overview of the therapeutic, diagnostic, support services, and biotechnology research and development systems of the health care industry. Students will be introduced to each body system and the health care industries that would be involved in the care of patients with illness in these areas. Students should identify the employment opportunities, technology, and safety requirements of health care. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment. Students will learn to think critically, problem solve and the importance of working with others as a team. Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to understand and employ their ethical and legal responsibilities and limitations and understand the implications of their actions. #13020200

**Prerequisite: No**

#### **MEDICAL TERMINOLOGY**

**CREDIT 1.0**

This course introduces students to the structure of medical terms, including word roots, prefixes and suffixes and abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. **This is an articulated course and will allow students to receive one elective college credit if they pass it with an 80 or above.** #13020300

**Prerequisite: Principles of Health Science recommended**

## HEALTH SCIENCE THEORY

CREDIT 1.0

The Health Science course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for skill development. Students will be exposed to multiple employment opportunities in the health care industry and the technology and safety requirements associated with them. Students will also be taught the personal and professional skills necessary to perform well in the health care industry such as sterile technique, assessment of vital signs (blood pressure, heart rate), and first aid. They will also be given the opportunity to certify in CPR. *This is an articulated course and will allow students to receive one elective college credit if they pass it with an 80 or above; also, students have the opportunity to earn ECG certification.* #13020400

**Prerequisite:** Principles of Health Science

## HEALTH INFORMATICS (Medical Billing and Coding)

CREDIT 1.0

This program is designed to equip students with the knowledge, technical skills, and work habits required for an entry-level position in the medical insurance billing and coding field by offering problem-solving exercises by utilizing real-world scenarios. *Kaduceus, the curriculum for this program, prepares and qualifies students to sit for the national certification exam as an Insurance Coding Specialist at the end of the course.* #85000MB

**Prerequisite:** Principles of Health Science strongly; recommended for students in grade 11

## PHARMACOLOGY

CREDIT 1.0

This course is designed to prepare students to function in the retail and institutional pharmacy setting as a Pharmacy Technician. Students will receive written instruction in Pharmacy Law, Sterile products, retail and institutional pharmacy practices, medical math, dosage calculations, pharmacy billing as well as hands on experience in transcribing physician orders, drug product selection, medication labeling, medication preparation for dispensing, and extemporaneous compounding. *This course leads to Sterile Products Certification and Pharmacy Tech Certification* #13020800

**Prerequisite:** 12<sup>th</sup> grade students only with Medical Terminology and Medical Math (dual enrollment) strongly recommended

## SPORTS MEDICINE I

CREDIT 1.0

This course provides an opportunity for the study and application of the components of sports medicine including but not limited to: sports medicine related careers, organizational and administrative considerations, prevention of athletic injuries, recognition, evaluation, and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise. #N1150040

**Prerequisite:** 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade students only

## SPORTS MEDICINE II

CREDIT 1.0

This course is designed for students in the student athletic training program, and provides a more in-depth study and application of the components of sport medicine including but not limited to: creative rehabilitative techniques; therapeutic modalities, prevention, recognition, and care of injuries to the upper extremities, trunk, head and face; injuries to the young athlete; drugs in sports; modern issues in sports medicine. This course will involve outside of class time homework and time required working with athletes and athletic teams. #N1150041

**Prerequisite:** Sports Medicine I

## MATH FOR MEDICAL PROFESSIONS

CREDIT 1.0

The course integrates medical-physiological concepts and mathematics. Students will compute mathematical equations related to healthcare. #N1302097

**Prerequisite:** Algebra II strongly recommended

## 4-8 Year Career Plan Health Science

<b>Endorsement: PUBLIC SERVICE</b>		<b>Graduation Requirements</b>			<b>Student Name</b> _____
<b>Career Objective:</b> Planning, managing, and providing therapeutic services, diagnostic services, health info, support services, and biotech research and development.		<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>
<b>Associate Degree:</b> LVN, EMT, Dental Hygienist, EMS, Optician, Medical Sonograph, Echocardiography, Health Info Tech, Med Rad Tech, Occupational Therapy, Physical Therapy, Respiratory Care		<b>English</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>Bachelor Degree:</b> Dietetics, Nursing, Biology, Chemistry		<b>Math</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>Graduate Degree:</b> Nursing, Counseling, Doctor of Medicine/Dentistry/Pharmacy, Dietician		<b>Science</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>Career Options:</b> Physician, Nurse, Dietician, Scientist, Dentist, EMT, Psychiatrist, Pharmacist, Speech Lang Pathology		<b>Social Studies</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>Career Learning Experiences:</b>		<b>LOTE</b>	<b>2</b>	<b>3</b>	<b>2</b>
<b>Certificates:</b>		<b>PE</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>College Hours Earned in HS:</b>		<b>Technology</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Credits Earned in Weighted Classes:</b>		<b>Fine Art</b>	<b>1</b>	<b>1</b>	<b>1</b>
		<b>Electives</b>	<b>6</b>	<b>5</b>	<b>3</b>
		<b>Speech/Health</b>	<b>.5/.5</b>	<b>.5/.5</b>	<b>0</b>
		<b>CTE Coh Seq</b>	<b>0</b>	<b>0</b>	<b>4</b>
		<b>Credits</b>	<b>28</b>	<b>28</b>	<b>28</b>
<b>Performance Acknowledgement</b> ____ 12 hours college credit ____ Associate ____ Bilingualism ____ Certificate ____ AP Test ____ PSAT,ACT,SAT		<b>Graduation Plan</b> ____ Endorsement ____ Distinguished		<b>EOC Standard Met</b> ____ Alg 1 ____ Bio ____ Eng 1 ____ Eng 2 ____ US History	
<b>My Post High School plan is to go to:</b> ____ Junior College ____ Technical College ____ College/University ____ Military ____ Employment ____ Other				<b>Name of school/military branch/job/other</b> _____	
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>	
<b>1</b>	<b>ENG I, ENG I PAP</b>	<b>ENG II, ENG II PAP</b>	<b>ENG III, ENG III AP, ENG III DC</b>	<b>ENG IV, ENG IV AP, ENG IV DC</b>	
<b>2</b>	<b>ALG 1</b>	<b>MATH</b>	<b>MATH</b>	<b>MATH</b>	
<b>3</b>	<b>SCIENCE: Bio, Bio PAP, IPC</b>	<b>SCIENCE: Bio, Bio PAP, Chem</b>	<b>SCIENCE</b>	<b>SCIENCE</b>	
<b>4</b>	<b>SOCIAL STUDIES</b>	<b>SOCIAL STUDIES</b>	<b>USH, USH AP, USH DC</b>	<b>Gov/Eco, Gov/Eco AP, Gov/Eco DC</b>	
<b>5</b>	<b>Spanish 1</b>	<b>Spanish 2</b>	<b>Fine Art</b>	<b>Elective</b>	
<b>6</b>	<b>PE</b>	<b>Technology</b>	<b>Elective</b>	<b>Math for Medical Professionals</b>	
<b>7</b>	<b>Principles of Health Science</b>	<b>Health Science</b>	<b>Medical Billing &amp; Coding</b>	<b>Pharmacy Technician</b>	
<b>8</b>	<b>Elective</b>	<b>Sports Medicine I</b>	<b>Sports Medicine II</b>	<b>Elective</b>	

**SAMPLE 4 YEAR PLAN ABOVE**



## **MULTIDISCIPLINARY STUDIES**

**The Multiple Disciplinary endorsement allows for students to further study a foundation area or a wide range of curriculum sets. If students are unsure of their career interests and wish to cross-study multiple subjects, they may want to consider the Multiple Disciplinary endorsement to guide course selection.**

**A student may earn a multidisciplinary studies endorsement by completing the requirements specified in the foundation plan, in addition to one of the following:**

- **Path A: Take 4 advanced courses within 1 endorsement area or among endorsement areas that are not in a coherent sequence. The courses must prepare students to enter the workforce successfully or postsecondary**
- **Path B: Take 4 credits in each of the 4 foundation subject areas to include English IV and Chemistry and/or Physics.**
- **Path C: Take 4 Advanced Placement or dual credit courses to include 1 credit in each of the 4 foundation subjects.**

## **STEM**

**The Science, Technology, Engineering and Math (STEM) endorsement is a curriculum path that allows a student to focus deeply on courses directly related to science, technology, engineering and advanced math.**

**A student may earn a STEM endorsement by completing the requirements specified in the foundation plan, including Algebra II, chemistry and physics, in addition to one of the following:**

- **STEM Math: 3 credits in Math by successfully completing Algebra II and 2 additional approved Math courses, for which completion of Algebra II is required**
- **STEM SCIENCE: 4 credits in Science by successfully completing Chemistry, Physics and 2 additional approved Science courses**

# 4-8 Year Career Plan STEM MATH

<b>Endorsement: STEM</b>	<b>Graduation Requirements</b>				<b>Student Name</b> _____
<b>Career Objective:</b> Planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.	<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	<b>Grade</b> _____ <b>DOB</b> _____
<b>Associate Degree:</b> Electronics, Mechanical Systems	<b>English</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>Student Signature</b> _____ <b>Date</b> _____ <b>Parent Signature</b> _____ <b>Date</b> _____
<b>Bachelor Degree:</b> Engineering- Aerospace, Chemical, Civil, Computer, Electrical, Industrial, Mechanical Systems	<b>Math</b>	<b>4</b>	<b>4</b>	<b>4</b>	
<b>Graduate Degree:</b> : Engineering, Mechanical Systems	<b>Science</b>	<b>4</b>	<b>4</b>	<b>4</b>	
<b>Career Options:</b> Engineer- Aerospace, Mechanical, Civil, Electronics Tech	<b>Social Studies</b>	<b>4</b>	<b>4</b>	<b>4</b>	
<b>Career Learning Experiences:</b>	<b>LOTE</b>	<b>2</b>	<b>3</b>	<b>2</b>	
<b>Certificates:</b>	<b>PE</b>	<b>1</b>	<b>1</b>	<b>1</b>	
<b>College Hours Earned in HS:</b>	<b>Technology</b>	<b>1</b>	<b>1</b>	<b>1</b>	
<b>Credits Earned in Weighted Classes:</b>	<b>Fine Art</b>	<b>1</b>	<b>1</b>	<b>1</b>	
	<b>Electives</b>	<b>6</b>	<b>5</b>	<b>3</b>	
	<b>Speech/Health</b>	<b>.5/.5</b>	<b>.5/.5</b>	<b>0</b>	
	<b>CTE Coh Seq</b>	<b>0</b>	<b>0</b>	<b>4</b>	
	<b>Credits</b>	<b>28</b>	<b>28</b>	<b>28</b>	
<b>Performance Acknowledgement</b> ____12 hours college credit ____Associate ____Bilingualism ____Certificate ____AP Test ____PSAT,ACT,SAT		<b>Graduation Plan</b> ____Endorsement ____Distinguished		<b>EOC Standard Met</b> ____Alg 1 ____Bio ____Eng 1 ____Eng 2 ____US History	
<b>My Post High School plan is to go to:</b> ____Junior College ____Technical College ____College/University ____Military ____Employment ____Other				<b>Name of school/military branch/job/other</b> _____	
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>	
<b>1</b>	<b>ENG I, ENG I PAP</b>	<b>ENG II, ENG II PAP</b>	<b>ENG III, ENG III AP, ENG III DC</b>	<b>ENG IV, ENG IV AP, ENG IV DC</b>	
<b>2</b>	<b>Algebra 1</b>	<b>Geometry</b>	<b>Algebra II</b>	<b>MATH Advanced Level</b>	
<b>3</b>	<b>SCIENCE: Bio, Bio PAP, IPC</b>	<b>SCIENCE: Bio, Bio PAP, Chem</b>	<b>SCIENCE</b>	<b>SCIENCE</b>	
<b>4</b>	<b>SOCIAL STUDIES</b>	<b>SOCIAL STUDIES</b>	<b>USH, USH AP, USH DC</b>	<b>Gov/Eco, Gov/Eco AP, Gov/Eco DC</b>	
<b>5</b>	<b>Spanish 1</b>	<b>Spanish 2</b>	<b>Fine Art</b>	<b>MATH Advanced Level</b>	
<b>6</b>	<b>PE</b>	<b>Technology</b>	<b>Elective</b>	<b>Elective</b>	
<b>7</b>	<b>Elective</b>	<b>Elective</b>	<b>Elective</b>	<b>Elective</b>	
<b>8</b>	<b>CTE</b>	<b>CTE</b>	<b>CTE</b>	<b>CTE</b>	

**SAMPLE 4 YEAR PLAN ABOVE**

## 4-8 Year Career Plan STEM SCIENCE

<b>Endorsement: STEM</b>	<b>Graduation Requirements</b>				<b>Student Name</b> _____
<b>Career Objective:</b> Planning, managing, and providing scientific research and professional and technical services including lab and testing services, and research and development services.	<b>Subject</b>	<b>RHSP Class of 2017</b>	<b>DHSP Class of 2017</b>	<b>Endorsement Class of 2017 and beyond</b>	<b>Grade</b> _____ <b>DOB</b> _____
<b>Associate Degree:</b> Electronics, Mechanical Systems	<b>English</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>Student Signature</b> _____ <b>Date</b> _____
<b>Bachelor Degree:</b> : Engineering- Aerospace, Chemical, Civil, Computer, Electrical, Industrial, Mechanical Systems	<b>Math</b>	<b>4</b>	<b>4</b>	<b>4</b>	
<b>Graduate Degree:</b> Engineering, Mechanical Systems	<b>Science</b>	<b>4</b>	<b>4</b>	<b>4</b>	
<b>Career Options:</b> Engineer- Aerospace, Mechanical, Civil, Electronics Tech	<b>Social Studies</b>	<b>4</b>	<b>4</b>	<b>4</b>	
<b>Career Learning Experiences:</b>	<b>LOTE</b>	<b>2</b>	<b>3</b>	<b>2</b>	
<b>Certificates:</b>	<b>PE</b>	<b>1</b>	<b>1</b>	<b>1</b>	
<b>College Hours Earned in HS:</b>	<b>Technology</b>	<b>1</b>	<b>1</b>	<b>1</b>	
<b>Credits Earned in Weighted Classes:</b>	<b>Fine Art</b>	<b>1</b>	<b>1</b>	<b>1</b>	
	<b>Electives</b>	<b>6</b>	<b>5</b>	<b>3</b>	
	<b>Speech/Health</b>	<b>.5/.5</b>	<b>.5/.5</b>	<b>0</b>	
	<b>CTE Coh Seq</b>	<b>0</b>	<b>0</b>	<b>4</b>	
	<b>Credits</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>Parent Signature</b> _____ <b>Date</b> _____
<b>Performance Acknowledgement</b> ____12 hours college credit ____Associate ____Bilingualism ____Certificate ____AP Test ____PSAT,ACT,SAT		<b>Graduation Plan</b> ____Endorsement ____Distinguished		<b>EOC Standard Met</b> ____Alg 1 ____Bio ____Eng 1 ____Eng 2 ____US History	
<b>My Post High School plan is to go to:</b> ____Junior College ____Technical College ____College/University ____Military ____Employment ____Other				<b>Name of school/military branch/job/other</b> _____	
<b>Periods</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>	
<b>1</b>	<b>ENG I, ENG I PAP</b>	<b>ENG II, ENG II PAP</b>	<b>ENG III, ENG III AP, ENG III DC</b>	<b>ENG IV, ENG IV AP, ENG IV DC</b>	
<b>2</b>	<b>ALG 1</b>	<b>MATH</b>	<b>MATH</b>	<b>MATH</b>	
<b>3</b>	<b>SCIENCE: Bio, Bio PAP, IPC</b>	<b>SCIENCE: Bio, Bio PAP, Chem</b>	<b>Science: Chemistry, Physics</b>	<b>SCIENCE: Physics, Advanced Level</b>	
<b>4</b>	<b>SOCIAL STUDIES</b>	<b>SOCIAL STUDIES</b>	<b>USH, USH AP, USH DC</b>	<b>Gov/Eco, Gov/Eco AP, Gov/Eco DC</b>	
<b>5</b>	<b>Spanish 1</b>	<b>Spanish 2</b>	<b>Fine Art</b>	<b>Science Advanced Level</b>	
<b>6</b>	<b>PE</b>	<b>Technology</b>	<b>Science Advanced Level</b>	<b>Elective</b>	
<b>7</b>	<b>Elective</b>	<b>Elective</b>	<b>Elective</b>	<b>Elective</b>	
<b>8</b>	<b>CTE</b>	<b>CTE</b>	<b>CTE</b>	<b>CTE</b>	

**SAMPLE 4 YEAR PLAN ABOVE**

# **OTHER COURSE OFFERINGS**

## **DUAL CREDIT**

**Students at Tarkington High School have the opportunity to take courses through Lone Star College-Kingwood that satisfy high school graduation requirements and also earn college credit. Below is a list of typical courses taken. See your counselor for more information.**

**For all dual credit courses, a student must satisfy certain testing and GPA requirements.**

**If a student chooses to take dual credit courses through Lone Star College-Kingwood, the student is responsible for paying tuition and fees for the classes. The cost is approximately \$100.00 per class plus any required textbooks.**

**The classes are taught on the college level, and the work will be challenging. You will be expected to complete a significant amount of work outside of regular class time. You will have the best chance to be successful in completing the class if you have strong reading and writing skills and are willing to devote the necessary time to preparing for class meetings. Although most public universities in the state of Texas will accept these credits, some out of state and private schools may not.**

### **ENGLISH DC**

**Prerequisite: An overall grade point average (GPA) of 80 or higher in his/her current English class.**

### **US HISTORY DC**

### **MACROECONOMICS DC**

**Prerequisites: Juniors must be enrolled in or have completed Algebra II. Seniors must be enrolled in PreCalculus or have completed PreCalculus.**

### **US GOVERNMENT DC**

### **PSYCHOLOGY DC**

### **SOCIOLOGY DC**

**Prerequisites: must have an overall grade point average (GPA) of 80 or higher in his/her current English class.**

### **COLLEGE ALGEBRA DC**

### **TRIGONOMETRY DC**

The District offers Career and Technical Education (CTE) programs in a variety of areas. These courses are designed to meet a variety of needs and interests in technical and practical areas. Students from all academic levels enroll in these courses that integrate academic and applicationskills.

Lone Star College – Kingwood has established the articulation method by which students in identified technical preparatory classes will receive credit toward certain programs and/or degrees when the student completes high school and is enrolled in the program at the college.

Students who complete Career and Technical Education courses may obtain the following industry certifications and licenses. However, due to instructional requirements, time in class may be limited to pursue certification. For more information on the certifications and licenses available, consult your counselor.

<b>COURSE NAME</b>	<b>CERTIFICATE OFFERED</b>
<b>Wildlife, Fisheries, &amp; Eco Mgt.</b>	<b>Hunter Safety Certification</b>
<b>Livestock Production</b>	<b>Livestock Evaluation Certification</b>
<b>Vet Tech</b>	<b>Certified Veterinary Assistant</b>
<b>Ag Power Systems</b>	<b>NCCER</b>
<b>Graphic Design &amp; Illustration</b>	<b>Adobe Photoshop CC</b>
<b>Animation</b>	<b>Adobe Flash CC</b>
<b>Web Technologies</b>	<b>Adobe Dreamweaver CC</b>
<b>Independent Study in Technology</b>	<b>Adobe InDesign CC &amp; Adobe Illustrator CC</b>
<b>Business Information Management II</b>	<b>Microsoft Office 2010 Specialist</b>
<b>Intro To Culinary Arts</b>	<b>ServeSAFE</b>
<b>Energy, Power, &amp; Transportation</b>	<b>SP2 Safety Certification</b>
<b>Advanced Auto Tech</b>	<b>International IMAC; ASE Student Certification</b>
<b>Practicum/Advanced Auto Tech</b>	<b>ASE</b>
<b>Health Science</b>	<b>ECG</b>
<b>Medical Billing &amp; Coding</b>	<b>National Certification for Insurance &amp; Coding Specialist</b>
<b>Pharmacy Technician</b>	<b>Sterile Products Certification &amp; Certified Pharmacy Tech</b>
<b>Principles of AFNR</b>	<b>Southwest Airlines Communication Cert.</b>
<b>Advanced Animal Science</b>	<b>Advanced Animal Cert.</b>

# FREQUENTLY ASKED QUESTIONS

## ABOUT ADVANCED PLACEMENT - AP

More than 90 percent of four-year colleges and universities in the United States award placement or credit or both for a qualifying grade on an AP Exam.

### **What's the difference between credit and placement?**

Some colleges award credit for qualifying AP Exam grades. This means that you actually earn points toward your college degree. Others award advanced placement. This means that when you're in college, you can skip introductory courses, enter higher-level classes and/or fulfill general education requirements.

### **Can I earn college credit or placement just by taking the AP Course?**

Colleges and universities give credit or placement only for qualifying AP Exam grades, not AP course grades. Without a corresponding AP Exam grade, they can't verify that the AP courses you take are true college-level courses.

### **What can I do with college credit or placement?**

College credit or placement can allow you to move into upper-level courses sooner, pursue a double major or a combined bachelor's/master's degree program, gain time to study and travel abroad, and complete your undergraduate degree in fewer than four years. You can receive credit for equivalent courses worth thousands of dollars at colleges and universities.

### **Why should I take the AP Exam if I'm not looking to earn credit or placement?**

- The AP Exams provide colleges and universities with additional information about your ability to succeed in college-level study. Some scholarship awards consider AP Exam grades
- Many colleges use AP Exam grades to place students into honors classes.
- The AP Exams give you a clear understanding of what you need to succeed on a college exam.

**Updated 2/27/18**