



# **CURRICULUM GUIDE**

## **TAMPA BAY TECHNICAL HIGH SCHOOL**

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### COURSE OFFERINGS/DESCRIPTIONS:

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### **Important information regarding schedule changes:**

Choose your classes wisely. Elective changes cannot be honored. Level changes for academic courses are granted based on teacher, student, and parent input. Due to Class Size Reduction Legislation, schedule changes will be extremely limited. Please choose your courses CAREFULLY during course selections as it will be difficult or impossible to make changes in the Fall.

Beginning in November, counselors will be meeting with students individually in their shop/program classes. During that session, students will receive a programming sheet on which they select their desired courses for the following year. Students are to return the signed copy to the shop/program teacher within one week.

We expect students, after discussion with their parents and counselors, to choose their courses with care prior to registration. However, if you find that you need to change a course, please see your Guidance Counselor. After schedules are printed, changes may be made **ONLY** through the **SCHEDULE ADJUSTMENT PROCESS** and **MUST** meet the criteria listed below.

### **Criteria for considering a Schedule Change:**

1. Computer errors due to miscoding, dropping of a section, etc.
2. Failure to pass the course the previous semester or to meet the course pre-requisites.
3. Level changes - requires teacher and parent signatures on request form.
4. Course needed to meet graduation requirements.
5. Administrative changes. Schedule changes are made during a small window of time at the beginning of each semester. After this time, no requests to change schedules will be honored.

# Guidance Services

The Guidance Department, while working with students, parents, school staff, and community, strives to create a positive atmosphere in which all students may develop to their fullest potential. The counselors serve a major role in the course selection process. They are your best resource when it comes to specific program and course requirement information relating to graduation. The College and Career Counselor (CCC) has the most current information regarding the Florida Bright Futures Scholarship Program.

*Each student shall select the most challenging course of study available to build a successful and fulfilling future. As goals and opportunities unfold, each student should meet with a counselor to review his or her progress annually.*

## **Tampa Bay Tech's Professional School Counselors:**

**Nakisha McCray**, *Serving last names A-C & P-Q*  
[nakisha.mccray@sdhc.k12.fl.us](mailto:nakisha.mccray@sdhc.k12.fl.us), **Extension 245**

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**Amber Wright**, *Serving last names R-Z*  
[amber.wright@sdhc.k12.fl.us](mailto:amber.wright@sdhc.k12.fl.us), **Extension 244**

# Programs at TBT

- **Academy of Health Professions**

Senior programs:

Cardiovascular Technology

Certified Nursing Assistant

Dental Aide

Medical Laboratory Assistant

Mental Health

Physical/Occupational Therapy Aide

Radiology

Veterinary Assistant (begins in 9<sup>th</sup> grade)

- **Architecture Academy**

- **Auto Body**

- **Auto Repair**

- **Business Health Administration**

- **Commercial Art Academy**

- **Computer Systems Technology**

- **Culinary Arts**

- **Diesel Technology**

- **Early Childhood Education**

- **Journalism**

- **Naval Junior ROTC**

- **Welding**

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# Course Offerings

## Advanced Placement (AP) Courses

*The Advanced Placement Program offers college level courses at high schools across the United States. Students have the opportunity to earn credit or advanced standing at most of the nation's colleges and universities. AP courses are designed to be academically rigorous in order to prepare students for college level work and for the national AP Exams in May.*

**All students enrolled in AP courses are required to take the AP national exam in May.**

### **AP ART HISTORY**

**For Grades:** 10-12

**Credit:** 1.0

**Meets Performing/Fine Arts requirement for graduation**

**Major Concepts/Content:** The purpose of this course is to introduce students to the appreciation of works of art, the intelligent examination of works of art, and to the major forms of artistic expression in Western art from 1400 to the present. The content should include, but not be limited to, the following: survey of Western art from 1400 to the present; other artistic traditions that have influenced Western art during the period of study (e.g. Far Eastern, African, pre-Columbian); problems and topics in the study of art -the relationship of form and meaning in art -the relationship of art to its historical context.

### **AP BIOLOGY**

**For Grade:** 11-12

**Credit:** 1.0

**Prerequisites:** Biology Honors - B, Chemistry Honors-B

**Meets requirements:** Science for graduation

**MAJOR CONCEPTS/CONTENT:** The purpose of this course is to provide a college level course in the biological science and to prepare the student to seek Credit and/or appropriate placement in college biology courses. The content should include, but not be limited to, molecular and cellular biology, organismal biology, and populational biology. Opportunities to understand the interactions of science with technology and society should be provided. Specific AP laboratory activities are course requirements.

### **AP CALCULUS AB**

**For Grade:** 11-12

**Credit:** 1.0

**Prerequisite:** Pre-calculus

**Meets Mathematics requirements for graduation**

**MAJOR CONCEPTS/CONTENT:** The purpose of this course is to provide a study of elementary functions and the general theory and techniques of calculus. The content should include, but not be limited to, that content determined in the Advanced Placement Program.

### **AP CALCULUS BC**

**For Grade:** 11-12

**Credit:** 1.0

**Prerequisite** Pre-calculus/Placement

**Meets Mathematics requirements for graduation**

**MAJOR CONCEPTS/CONTENT:** The purpose of this course is to provide an extensive study of the general theory and techniques of calculus. The content shall include, but not be limited to, that determined by the Advanced Placement Program.

### **AP CHEMISTRY**

**For Grades:** 11-12

**Credit:** 1.0

**Prerequisite:** Chemistry Honors

**Meets science credit requirement for graduation**

AP Chemistry provides students with college level foundation to support future advanced course work in chemistry. Students cultivate their understanding through inquiry based investigations, as they explore topics such as atomic structure, chemical reactions, thermodynamics, and equilibrium.

## **AP COMPUTER SCIENCE PRINCIPLES**

**For Grades:** 11-12

**Credit:** 1.0

AP Computer Science Principles introduces you to the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computing, you will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society.

## **AP ENGLISH LANGUAGE AND COMPOSITION**

**For Grade:** 11

**Credit:** 1.0

**Prerequisites:** Placement

**Meets English 3 requirement for graduation**

**MAJOR CONCEPTS/CONTENT:** The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. The course is also designed to provide students with a variety of writing opportunities calling for the use of different styles and tones. The content should include, but not be limited to, that determined by the College Board.

## **AP ENGLISH LITERATURE AND COMPOSITION**

**Grade:** 12

**Credit:** 1.0

*Prerequisite:* AP English Language or Recommendation

**Meets English 4 requirement for graduation**

**MAJOR CONCEPTS/CONTENT:** Course emphasizes interpretation of British and world literature using a study of the modes of discourse and various rhetorical strategies. Writing instruction for analysis/interpretation, persuasion and self-discovery. Documented papers and summer reading required.

## **AP ENVIRONMENTAL SCIENCE -**

**Credit:** 1.0 **Grades:** 11-12

**Prerequisites:** Biology Honors with a grade of B or higher, Chemistry Honors with a grade of B or higher

**Meets science requirement for graduation**

**MAJOR CONCEPTS/CONTENT:** The purpose of this course is to provide students with a college level course in environmental science and to prepare the student to seek Credit and/or appropriate placement in college biological sciences programs. The content should include, but not be limited to, the study of the biosphere, its biotic and abiotic components; ecosystems of the world; biogeologic cycles; and current environmental issues. Specific AP laboratory activities are course requirements.

**NOTE:** Students in the Academy of Architecture are encouraged to take this class.

## **AP FRENCH LANGUAGE**

**Grades:** 11-12

**Credit:** 1.0

**Prerequisites:** French III/IV; Recommendation

**Meets Foreign Language requirements for graduation**

**MAJOR CONCEPTS/CONTENT:** A.P. French Language is taught completely in French, in order to develop listening, speaking, writing, and reading skills. This course will focus on the six themes of the new AP French Language and Culture test: Global challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities and Beauty and Aesthetics. Reading and listening comprehension will be based on authentic sources from a variety of French-speaking areas.

## **AP HUMAN GEOGRAPHY**

**For Grade** 9-12

**Credit** 1.0

**Prerequisites** none

**Meets Academic Elective requirement for graduation**

**MAJOR CONTENT/CONCEPTS:** The purpose of this course is to enable students to develop higher levels of concepts and skills related to Human Geography. The content includes the following: regions, population studies, migration, cultural concepts, and spatial representation such as religion, language, and folk and popular culture, political geography, land use, urbanization, issue's related to space, place, and scale and economic geography.

## **AP MACRO ECONOMICS**

**For Grade** 12

**Prerequisite:** none

**Meets Economics graduation requirement**

**MAJOR CONCEPTS/CONTENT:** This course deals with aggregated decision-making of the economy as a whole and the role of government in the economy, particularly as it applies to the American free enterprise system. Gross National Product, price indexes, economic policy, unemployment and inflation are all concepts to be included in the study.

## **AP MICRO ECONOMICS**

**For Grade** 12

**Prerequisite:** none

**Meets Economics graduation requirement**

**MAJOR CONCEPTS/CONTENT:** This course deals with decision-making of the household and business in answering the basic questions: what to produce, how to produce it and from whom to produce it. Concepts such as supply and demand, product and factor markets, costs, revenues, market forms and profit maximization will be studied and analyzed.

## **AP PHYSICS**

**For Grade** 11-12

**Prerequisite(s):** Physics or Physics Honors with a B grade

**Meets Science graduation requirement**

**MAJOR CONCEPTS/CONTENT:** This course provides a college level non-calculus study in physics and prepares students to seek credit and/or placement in college physics courses. The content includes kinematics, Newton's Laws of Motion, conservation of energy and linear momentum, torque, rotational equilibrium, gravitation, oscillation, kinetic theory and thermodynamics, electrostatics, electric currents, magnetism, waves and optics, and modern physics. (Graphing calculators are recommended).

**NOTE:** Students in the Academy of Architecture and Computer Science/CISCO are encouraged to take this class.

## **AP PSYCHOLOGY**

**For Grades:** 10-12

**Credit:** 1.0

**Prerequisites:** None

**Meets Academic Elective requirement for graduation**

**MAJOR CONCEPTS/CONTENT:** The purpose of Advanced Placement Psychology is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub fields within psychology. They also learn about the methods psychologists use in their science and practice.

## **AP RESEARCH**

**For Grades:** 10-12

**Credit:** 1.0

**Prerequisites:** Students must be enrolled in 3 or more AP classes or be in their first AP class.

This is an elective class that has no AP test. This class is designed to provide support to students taking AP courses. The class will include individual and group study time, SAT and AP testing practice.

## **AP SPANISH LANGUAGE**

**For Grades:** 10-12

**Credit:** 1.0

**Prerequisites:** Spanish III /Spanish IV, recommendation

**Meets foreign language requirement**

A.P. Spanish Language expands the skills previously learned, leading toward the Advanced Placement exam in Spanish. It includes elevated language structure and idiomatic expressions, including an emphasis on conversational and communicative skills. Guidelines established by the Advanced Placement Program will be followed.



## **AP SPANISH LITERATURE AND CULTURE**

**For Grades:** 10-12

**Credit:** 1.0

**Prerequisites:** Spanish III/Spanish IV, recommendation

### **Meets foreign language requirement**

The AP Spanish Literature and Culture course is designed to provide students with a learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature.

## **AP STATISTICS**

**For Grades:** 10-12

**Credit:** 1.0

**Prerequisite:** Algebra II or Algebra II Honors with at least a “C” grade

### **Meets Mathematics graduation requirement**

**MAJOR CONCEPTS/CONTENT:** The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, evaluating, and drawing conclusions from data. Topics include exploratory analysis, planning a study, anticipating pattern, and statistical inference.

## **AP UNITED STATES HISTORY**

**For Grade:** 11

**Credit:** 1.0

### **Meets US History graduation requirement**

The purpose of Advanced Placement United States History is to provide students with the opportunity to develop the analytic skills and factual knowledge necessary to deal critically with the problems, content, and materials of American historic development. This is done by focusing on persistent themes and change in history and by applying historical reasoning to seek solutions to contemporary problems. Appropriate concepts and skills will be developed in connection with the content that follows. Specific content to be covered will include, but not be limited to: the development of American culture and institutions, significance of American westward expansion and development of American ideals and characteristics, effects of the American colonial experience on national development, enlightened thinking and its relationship to the Declaration of Independence and the Constitution.

## **AP WORLD HISTORY**

**For Grade:** 10

**Credit:** 1.0

### **Meets World History graduation requirement**

AP World History highlights six overarching themes that should receive approximately equal attention throughout the course beginning with the Foundations section:

1. Impact of interaction among major societies (trade, systems of international exchange, war, and diplomacy).
2. The relationship of change and continuity across the world history periods covered in this course.
3. Impact of technology and demography on people and the environment (population, growth and decline, disease, manufacturing, migrations, agriculture, weaponry).
4. Systems of social structure and gender structure (comparing major features within and among societies and assessing change).
5. Cultural and intellectual developments and interactions among and within societies.
6. Changes in functions and structures of states and in attitudes toward states and political identities (political culture), including the emergence of the nation-state (types of political organization).

## **AP US GOVERNMENT & POLITICS**

**FOR Grade:** 10-12

**Credit:** .5

### **Meets US Government requirement**

The AP Government & Politics course provides an analytical perspective on government and politics in the United States, while rigorously investigating the impact of outside forces (political parties, interest groups, the American media) on the American citizenry. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies designed to further students' critical inquiry. In addition, AP Gov't also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute the U.S. political reality.

# Academy of Health Professions Courses

\*Students in the Health Program are required to complete 100 community service hours related to the health field.

\*Students enrolled in the Veterinary Assisting program are required to complete 500 service hours related to veterinary assisting.

## **MEDICAL SKILLS**

Credit: 1.0          Grade: 9

The purpose of this program is to give students an opportunity to apply knowledge and skills related to the area of Health Science career cluster.

The content includes but is not limited to practical generic skills in health occupations. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices.

## **HEALTH SCIENCE ANATOMY**

Credit: 1.0          Grade: 10

This course is part of the secondary Health Core consisting of an overview of the human body, both structurally and functionally with emphasis on the pathophysiology and transmission of disease. Medical terminology is an integral part of the course.

## **HEALTH SCIENCE FOUNDATIONS**

Credit: 1.0          Grade: 11

This course is designed to provide the student with an in depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem solving skills.

## **CARDIOVASCULAR ASSISTING (2 PERIOD BLOCK)**

Credit: 2.0          Grade: 12

This course is a comprehensive program of ECG Aide and Pharmacy. Upon completion of this course, the student will be competent to enter the medical field in a number of assistant positions, as well as prepare the student to further their education in college.

## **ALLIED HEALTH ASSISTING (2 PERIOD BLOCK)**

Credit: 2.0          Grade: 12

Students complete a clinical practicum in nursing homes, hospital settings and medical offices. Students are prepared to sit for the certified nursing assistant state exam or the CMAA. Students are trained in EKG and HHA.

## **DENTAL AIDE (2 PERIOD BLOCK)**

Credit: 2.0          Grade: 12

This program is designed to provide classroom theory and practical application in tasks related to dental offices. Students will be prepared for employment and to continue their education in the dental field. Students complete a clinical practicum in dental and orthodontic offices.

## **MEDICAL LAB ASSISTING (2 PERIOD BLOCK)**

Credit: 2.0          Grade: 12

Students are trained in a specialized laboratory. Students complete a clinical practicum working with physicians, technicians and technologists in hospital laboratory settings in departments such as microbiology, histology, chemistry and hematology.

## **MENTAL HEALTH (2 PERIOD BLOCK)**

Credit: 2.0          Grade: 12

This course is designed to introduce and spike students' interest in the multiple types of mental and behavioral health care professions. Students will gain an understanding of psychology and social work. The course also prepares students to sit for the Certified Medical Assistant Administrative exam.

## **PHYSICAL AND OCCUPATIONAL THERAPY (2 PERIOD BLOCK)**

Credit: 2.0          Grade: 12

Students are trained using modern physical/occupational and athletic training equipment. Students complete a clinical practicum in outpatient rehabilitation facilities, hospitals, extended care facilities and chiropractic offices. Students can serve as student athletic trainers for various sports.

## **RADIOLOGY (2 PERIOD BLOCK)**

Credit: 2.0          Grade: 12

Students are prepared to sit for the state test to become a Basic Machine Operator upon their 18<sup>th</sup> birthday and completion of the program. Students receive an extensive clinical practicum in the 2<sup>nd</sup> semester in many areas such as nuclear medicine, MRI, CAT Scan, sonography, radiation therapy, fluoroscopy and angiography.

## **VETERINARY ASSISTANT**

Credit: 1.0 per class          Grades: 9-12

Students complete a clinical practicum working in the veterinary care industry. The primary goal is to prepare students for entry level positions and to further their education in the veterinary profession. Students sit for the Certified Veterinary Assistant exam upon completion of their program requirements.

## Academy of Architecture

*\*Students in the Academy of Architecture are required to complete 100 community service hours.*

### **Drafting 1,2,3,4,5, 6**

Credit: 1.0 per class      Grades: 9-12

The purpose of this program is to prepare students for employment in the drafting industry.

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Architecture and Construction career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Architecture and Construction career cluster.

This program is a planned sequence of instruction consisting of two occupational completion points. The four courses Drafting 1, 2, 3, 4, under the drafting program are considered core courses. When the recommended sequence is followed, the structure will allow students to complete specified portions of the program for employment or to remain for advanced training. A student who completes the applicable competencies at any occupational completion point may either continue with the training program or become an occupational completer.

## AGRICULTURE

### **AGRICULTURAL COMMUNICATIONS**

The purpose of this course is to help prepare students for employment in the agricultural communications industry. It focuses on broad transferable skills within the industry such as planning, management, marketing, communication skills, and community issues such as health, safety, and environmental issues. It includes instruction in the safe use and application of technology equipment such computers, telecommunications, scientific testing and observation equipment.

**This course satisfies the graduation requirement for Performing/Fine Arts. Beginning 2017-2018, students in the Vet Assisting program must take this course.**

## AUTOBODY REPAIR

### **Automotive Collision Repair & Refinishing 1,2,3,4,5,6**

Credit: 1.0 per class      Grades: 9-12

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Transportation, Distribution and Logistics career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Transportation, Distribution and Logistics career cluster.

The content includes but is not limited to basic trade skills; refinishing skills; sheetmetal repair skills; frame and unibody squaring and aligning; use of fillers; paint systems and undercoats; related welding skills; related mechanical skills; trim-hardware maintenance; glass servicing; and other miscellaneous repairs. The course content should also include training in communication, leadership, human relations and employability skills; and safe, efficient work practices.

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Automotive industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues, and health, safety and environmental issues.

## AUTOMOTIVE REPAIR

### **Automotive Service Technology 1,2,3,4,5,6,7,8,9**

Credit: 1.0 per class      Grades: 9-12

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Transportation, Distribution and Logistics career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Transportation, Distribution and Logistics career cluster.

The content includes but is not limited to broad, transferable skills and stresses understanding and demonstration of the following elements of the automotive industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.

This program is a planned sequence of instruction consisting of nine occupational completion points.

## **BUSINESS HEALTH ADMINISTRATION**

**Accounting 1, Business Supervision 1 (BHA 1), Business Supervision 1 (BHA 2), Business and Entrepreneurship, Business Software Applications, Digital Information Technology Legal Aspects of Business**

Credit: 1.0 per class      Grades: 9-12

Business Health Administration is intended to provide students with the knowledge required for entry level office jobs in the health services and systems. The objectives of the program are to develop graduates who are: prepared for post secondary education leading to careers as competent general and financial managers and competent planners in the health care field. They will become knowledgeable about public health and the structure, organization and financing of health care systems, about society, law and ethics, and competent in quantitative skills.

## **COMMERCIAL ART ACADEMY**

**Commercial Art Technology 1,2,3,4,5,6,7,8,9**

Credit: 1.0 per class      Grades: 9-12

Coursework prepares students to become graphic artists, cartoonists, newspaper and magazine illustrators and computer artists. The course content will include the following: basic art skills; lettering skills; preparation of layouts and illustrations; preparation of camera ready art work; and development of specialized skills. The course content also includes training in communication, leadership, human relations and employability skills; and efficient work practices.

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Commercial Art industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.

## **COMPUTER SYSTEMS TECHNOLOGY**

**Computer Systems Technology 1,2,3,4,5,6,7,8**

Credit: 1.0 per class      Grades: 9-12

Students learn basic computer electronics, PC upgrade and repair skills, local area networking, wide area networking, server technology and CISCO router technology. Students may earn A+ and/or CISCO certifications.

## **CULINARY ARTS**

**Culinary Arts 1,2,3,4**

Credit: 1.0 per class      Grades: 9-12

Prepare to work in all areas of food service operations. Learn food preparation, menu planning, purchasing food supplies, hiring staff, establishing safety and sanitation procedures, and promoting the business.

## **DIESEL TECHNOLOGY**

**Diesel Engine Service 1,2,3,4,5,6,7,8**

Credit: 1.0 per class      Grades: 9-12

Students learn the aspects of diesel engine repair and heavy equipment maintenance and operations. High tech mechanics are in high demand. Students may earn A.S.E. certifications.

## **EARLY CHILDHOOD EDUCATION**

*\*Students in the ECE program must complete a minimum of 500 internship hours.*

**CHILD DEVELOPMENT (elective for non program students)**

Credit: .5      Grades: 9-12

Interested in a career as a pediatrician, nurse, child psychologist, or a preschool or elementary teacher? Or do you just hope to have children someday? This course will help you to understand why people have children. Gain clear concepts of the sexual anatomy. Study conception to childbirth. Learn about the physical, social, emotional and intellectual development of children. Develop hands-on educational projects about children.

**EARLY CHILDHOOD EDUCATION 1-4**

Credit: 1.0 PER CLASS      Grades: 9-12

Students interested in a teaching career will learn all aspects of child care and gain real-world experience with preschool students attending "Little Titan School" Students can earn their C.D.A. certification and work in the profession.

**PARENTING SKILLS (elective for non program students)**

Credit: .5      Grades: 9-12

Want to be a super nanny or just the best parent you can be someday? Develop techniques for nurturing children in this class. Learn about the different types of families. Analyze effective communication skills for dealing with children. Examine the roles, responsibilities, and concerns of parents. Experience parenting with a "sugar" baby for a week or try caring for the "Baby Think It Over."

## **ENGLISH**

### **ACTING I**

Credit: 1.0 Grade: 9-12

The content should include, but not be limited to, an overview of the history of the theater and literature of the theater. Students should be introduced to the fundamentals of theatre production, which include scenery construction, costuming, lighting, and makeup. Students should be introduced to the fundamentals of acting.

**This course satisfies the graduation requirement for Performing/Fine Arts**

### **ACTING II**

Credit: 1.0 Grades: 10-12

Prerequisites: Acting I

The content should include, but not be limited to, instruction in reading and interpretation of dramatic literature. Other instructional emphases should include techniques and mechanics of acting: set, costume, and lighting design, as well as other features of stagecraft; character analysis and portrayal; interpretive and analytical study of plays; and production of plays and other dramatic presentations.

### **ACTING III**

Credit: 1.0 Grades: 10-12

Prerequisites: **Acting II**

The content should include, but not be limited to, instruction in specific acting techniques used in various kinds of dramatic presentations. Emphasis should also be given to the study of acting theories, as well as practice and theory in set design, make-up, and lighting.

### **ACTING IV**

Credit: 1.0 Grades: 10-12

Prerequisites: **Acting III**

The content should include, but not be limited to, study and practical application in costume, scenery, lighting, and sound design; make-up techniques; advanced acting techniques; and theatrical management. Students should specialize by researching information about and participating in selected areas of theater, including playwriting, direction, stage design and management, choreography, and advanced acting. Acting emphasis should be placed upon the development of unique performing styles and solo and ensemble presentations

### **Theater, Cinema and Film**

Credit: 1.0 Grades: 10-12

Students explore the elements of film and cinematic techniques used by those who create movies. Students study the techniques in film that serve the story and articulate the theme. Students also prepare a comparative for theatre, film, and literature. Public performances may serve as a resource for specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or film production beyond the school day to support, extend, and assess learning in the classroom.

### **AVID, 1,2,3,4 (Advancement via Individual Determination)**

Credit: 1.0 per class Grades: 9-12

AVID prepares students in the academic middle for four-year college eligibility. It has a proven track record in bringing out the best in students, and in closing the achievement gap AVID's mission is to close the achievement gap by preparing students for college readiness in a global society.

### **ENGLISH I**

Credit: 1.0 Grade: 9

The content should include, but not be limited to, the following: using reading strategies to construct meaning from informative, technical, and literary texts; acquiring an extensive vocabulary through reading, discussion, listening, and systematic word study; using process writing strategies, student inquiry, and self-monitoring techniques; using speaking, listening, and viewing strategies in formal presentations and informal discussions; understanding and responding to a variety of literary forms; and understanding and using language successfully to impact readers, writers, listeners, speakers, and viewers.

### **ENGLISH II**

Credit: 1.0 Grade: 10

The content should include, but not limited to, the following: using reading strategies to construct meaning from informative, technical, and literary texts; acquiring an extensive vocabulary through reading, discussion, listening, and systematic word study.

### **ENGLISH III**

Credit: 1.0 Grade: 11

The content should include, but not limited to, the following: using the reading process to construct meaning using informative, technical, and imaginative texts; using writing processes for various purposes with attention to style and format; using the research process and individual inquiry to locate, analyze, and evaluate information.

## **ENGLISH IV**

Credit: 1.0      Grade: 12

The content should include, but not limited to, the following: using the reading process to construct meaning using informative, technical, and imaginative texts; using writing processes for various purposes with attention to style and format; using the research process and individual inquiry to locate, analyze, and evaluate information.

## **ENGLISH HONORS I**

Credit: 1.0      Grade: 9

The content should include, but not limited to, the following: using reading strategies to construct meaning from informative, technical, and literary texts; acquiring an extensive vocabulary through reading.

## **ENGLISH HONORS II**

Credit: 1.0      Grade: 10

The content should include, but not limited to, the following: using reading strategies to construct meaning from informative, technical, and literary texts; acquiring an extensive vocabulary through reading, discussion, listening, and systematic word study.

## **ENGLISH HONORS III**

Credit: 1.0      Grade: 11

The content should include, but not be limited to, the following: using the reading process to construct meaning using informative, technical, and imaginative texts; using writing processes for various purposes with attention to style and format; using the research process and individual inquiry to locate, analyze, and evaluate information. The course emphasis should be on the works of American authors; however, literature representative of other cultures may be used to support integrated studies and multicultural emphases.

## **ENGLISH HONORS IV**

Credit: 1.0      Grade: 12

The content should include, but not be limited to, the following: using the reading process to construct meaning using informative, technical, and imaginative texts; using writing processes for various purposes with attention to style and format; using the research process and individual inquiry to locate, analyze, and evaluate information. The course emphasis should be on the works of British authors; however, literature representative of other cultures may be used to support integrated studies and multicultural emphases.

## **FOREIGN LANGUAGE**

**\*Students are required to successfully complete 2 consecutive years of a foreign language for the Bright Futures Scholarship and entrance into a 4-year college.**

### **AMERICAN SIGN LANGUAGE I**

Credit 1.0      Grade: 9-12

American Sign Language 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and crosscultural understanding. Emphasis is placed on proficient communication in the language with introductions to culture, connections, comparisons, and communities.

### **AMERICAN SIGN LANGUAGE II**

Credit 1.0      Grade: 10-12

*Prerequisites: ASL I*

American Sign Language 2 reinforces the fundamental skills acquired by the students in American Sign Language 1. The course develops increased receptive and expressive, skills as well as cultural awareness. Specific content to be covered is a continuation of skills acquired in American Sign Language 1 while communication remains the primary objective. The cultural survey of the target language is continued.

### **AMERICAN SIGN LANGUAGE III & IV**

Credit 1.0 each      Grades: 10-12

*Prerequisites: ASL I, II*

American Sign Language III & IV advances skills acquired by the students in American Sign Language I & II. The course develops increased receptive and expressive, skills as well as cultural awareness. The cultural survey of the target language is continued.

## **FRENCH I**

Credit 1.0      Grade: 9-12

The content should include, but is not limited to, beginning skills listening and speaking with special attention to pronunciation, introduction to reading and writing, fundamentals of grammar and fundamentals of culture. Students should be required to take French II consecutively to French I without interruption.

## **FRENCH II**

Credit 1.0      Grade: 10-12

*Prerequisites: French I*

The content should include, but is not limited to, an expansion of the listening and oral skills previously acquired. Reading and writing should receive more emphasis, while oral communication remains the primary objective. This course should continue the cultural survey of French-speaking people.

## **FRENCH III, IV**

Credit 1.0 each      Grade: 10-12

The content should expand upon the listening and oral skills previously acquired. Reading and writing should receive more emphasis. These courses should continue the cultural survey of French-speaking people.

## **SPANISH I**

Credit 1.0      Grades: 9-12

Spanish 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

## **SPANISH II**

Credit 1.0      Grades: 9-12

Spanish 2 reinforces the fundamental skills acquired by the students in Spanish 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Spanish 1. Reading and writing receive more emphasis, while oral communication remains the primary objective.

## **SPANISH III**

Credit 1.0      Grades: 9-12

Spanish 3 provides mastery and expansion of skills acquired by the students in Spanish 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities which are important to the everyday life of the target language-speaking people.

## **SPANISH IV**

Credit 1.0      Grades: 9-12

Spanish 4 expands the skills acquired by the students in Spanish 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works.

# **HEALTH**

## **ALTERNATIVE MEDICINE**

Credit 1.0      Grades: 9-12

This course is broken into two segments. First semester students will learn about aiding themselves and others in the event of catastrophic events. Students learn basic skills that are important to know in a disaster in the event emergency services are not available. Second semester students will learn about ancient and complimentary forms of health care such as chiropractic medicine, massage therapy, acupuncture, and herbal medicine just to name a few.

**Note: This is the only health class that is open to all students as an elective.**



## JOURNALISM

### **Digital Design- also available as an elective for non-program students**

Credit 1.0      Grades: 9-12

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills, digital publishing concepts and operations, layout, design, measurement activities, and digital imaging as well as communication, collaboration and decision-making activities, critical thinking, and problem solving

**Note: This class meets the Performing/Fine Art graduation requirement.**

### **Digital Information Technology- also available as an elective for non-program students**

Credit 1.0      Grades 9-12

Most of today's jobs require mastery of Microsoft Word, Power Point, and Excel. In this course you will learn all of these programs and you can become Microsoft certified. **Note: This class meets the Performing/Fine Art graduation requirement.**

### **Foundations of Web Design- also available as an elective for non-program students**

Credit 1.0      Grade: 9-12

Acquire and apply foundational skills related to web design in this course. Create basic web pages, incorporate image and graphics into a web page, and learn how to publish a website

**Note: This class meets the Performing/Fine Art graduation requirement.**

### **Digital Multimedia Foundations**

Credit: 1.0      Grades: 10-12

This course is designed to allow students to gain a hands-on experience with Industry Standard Design and Graphics Software. Students will demonstrate proficiency in advanced design, an understanding in color modes, in using fonts for advanced design, to solve problems using critical thinking skills, creativity and innovation, and in the use of information technology tools. Students have the opportunity to earn their Adobe Certification in Photoshop with successful completion of the course.

## **JOURNALISM/YEARBOOK**

Credit 1.0 each      Grades: 9-12

Make history! The yearbook staff has the opportunity to capture the memories of your generation. Years from now you will look back to see the funny and sad moments, the victories and the defeats, the splendor and the magnificence of your glory days. Photography, interviewing, copy writing, graphic design, advertising, marketing, and distribution- yearbook does it all and more!

## **TV PRODUCTION 1-4**

Credit: 1.0 each      Grades: 9-12

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Arts, A/V Technology and Communication career cluster.

The purpose of this program is to prepare students for initial employment as television production operators, (SOC 27-4031) television broadcast technicians, (SOC 27-4012) camera operator, (SOC 27-4031) all other professional/para-professional technicians, video recording engineers, audio recording engineers. The content should include, but is not be limited to, communication skills; leadership skills; human relations and employability skills; safe and efficient work practices; and preparation to assume responsibility for overall production of television studio activities including: scripts, lighting, shooting and directing, electronic news gathering, and field production.

**NOTE: TV 1 satisfies the graduation requirement for Performing/Fine Arts**



# MATHEMATICS

## ADVANCED TOPICS

Credit: 1.0 Grades: 11–12

Prerequisite: **Algebra 2 or Algebra 2 Honors.**

This course strengthens the mathematical skills of college bound students who seek more proficiency before moving to other more advanced mathematics courses.

## ALGEBRA I

Credit: 1.0 Grades: 9–12

Prerequisites: **Pre-Algebra, M/J 3, or M/J 3 Advanced Mathematics.**

This course provides the foundation for more advanced mathematics and science courses and develops the skills needed to solve mathematical problems. The student will be introduced to the scientific and/or graphing calculator. This is an entry-level course for a college preparation course of study and fulfills the graduation benchmark.

## ALGEBRA II

Credit: 1.0 Grades: 10–12

Prerequisite: **Geometry & Algebra I.**

This rigorous course continues the study of the structure of algebra and provides the foundation for applying these skills to other mathematical and scientific fields. There will be extensive use of the scientific calculator and the student will be introduced to the graphing calculator. This is the entry-level course for college mathematics.

## ALGEBRA II HONORS

Credit: 1.0 Grades: 9–12

Prerequisite: **Geometry Honors**

This course presents an in-depth study of the topics of Algebra 2 with emphasis on theory, proof and development of formulas, as well as their application. **The student will be required to have a graphing calculator. This is a prerequisite course for Analysis of Function and Calculus.**

## FINANCIAL ALGEBRA

Credit: 1.0 Grades: 11–12

The financial literacy focus of this course provides a real-life framework to apply upper-level mathematics standards. This course will give students the opportunity to apply mathematics found in financial topics such as personal investments, retirement planning, credit card interest, and savings.

## GEOMETRY

Credit: 1.0 Grades: 9–12

Prerequisite: **Algebra I**

The purpose of this course is to develop the geometric knowledge that can be used to solve a variety of real-world and mathematical problems. Geometric relationships are developed inductively, with hands-on activities. The content of this course is less rigorous than Geometry Honors.

## GEOMETRY HONORS

Credit: 1.0 Grades: 9–12

Prerequisite: **Algebra I Honors**

This rigorous course gives an in-depth study of the relationships in geometry, their proofs, and skill in applying the inductive method of mathematical situations. **This course is a prerequisite for Algebra 2 Honors, Analysis of Functions, and Calculus.**

## LIBERAL ARTS MATHEMATICS

Credit: 1.0 Grade: 10–12

Prerequisite: **Algebra I**

This course will strengthen the mathematical skills required for students to pass the Algebra 1 FSA. The FSA is a graduation requirement. **Colleges do NOT recognize this course for entrance requirement. Liberal Arts Math DOES NOT count toward NCAA eligibility.**

## MATH ANALYSIS

Credit: .5 Grades: 10–12

This course is paired with Trigonometry. Study logic, sets, vectors, induction, and matrices as you continue to advance your knowledge of mathematics in preparation for college. This is the course where math and reasoning and thought come together. Applications of the mathematics previously learned will be emphasized.

## **MATH FOR COLLEGE READINESS**

Credit: 1.0      Grade: 12

This course is targeted for grade 12 students, whose test scores on the Postsecondary Educational Readiness Test (P.E.R.T.) are at or below the established cut scores for mathematics, indicating that they are not yet “college ready” in mathematics or simply need some additional instruction in content to prepare them for success in college level mathematics. This course incorporates the Common Core Standards for Mathematical Practices as well as the following Common Core Standards for Mathematical Content: Expressions and Equations, The Number System, Functions, Algebra, Geometry, Number and Quantity, Statistics and Probability, and the Common Core Standards for High School Modeling. The standards align with the Mathematics Postsecondary Readiness Competencies deemed necessary for entry-level college courses.

## **PRE-CALCULUS**

Credit: 1.0      Grades: 10–12

Prerequisite: **Algebra 2H**.

This course emphasizes trigonometric functions and their applications, the extension of polynomial functions, the extension of conic sections and the concept and theory of limits. There will be extensive use of the scientific and graphing calculators. This is a prerequisite course for Calculus.

## **TRIGONOMETRY**

Credit: .5      Grades: 11–12

Prerequisite: **Algebra 2 or Algebra 2 Honors**.

This course provides students with the study of circular and trigonometric functions and their applications. Trigonometry is generally offered with and is a prerequisite for Math Analysis.

## **MUSIC**

### **BAND 1,2,3,4**

Credit: 1.0 per class      Grades: 9-12

This class is designed for the development of basic technique and musicianship skills, and introduces new members to the expectations of the TBT Band Program. These musicians comprise the membership of the marching band during the fall semester and all enrolled students are required to participate.

**This course satisfies the graduation requirement for Performing/Fine Arts**

### **ORCHESTRA 1,2,3,4**

Credit: 1.0 per class      Grades: 9-12

The content should include, but not be limited to, independent interpretation of medium level orchestral music; refinement of tone production and performance techniques; musical form, style periods, and aesthetic perceptions.

**This course satisfies the graduation requirement for Performing/Fine Arts**

## **NAVAL JUNIOR ROTC**

### **NJROTC 1-4**

Credit: 1.0 each      Grades: 9-12

The Navy Junior Reserve Officers Training Corps (NJROTC) is a leadership program designed to give students a head start. NJROTC develops the self-discipline, self-confidence and leadership skills to help you successfully meet life's challenges. The NJROTC curriculum and instructional activities are designed to develop your leadership ability regardless of a career path. **Two years of ROTC will satisfy the P.E. and Art requirement.**

### **Aerospace Technologies**

Credit: 1.0      Grades: 10-12

This course is designed to allow students to gain a hands-on experience with Unmanned Aerial Vehicles (drones). Students will learn about their basic mechanics and control strategies and realize how careful component selection and design affect the vehicles' performance. This course also provides students with instructions on how to download and install Matlab. This software will be used throughout

## PHYSICAL EDUCATION

### DRIVER EDUCATION

Credit: 0.5      Grades: 9-12

Prerequisites: **Must be 15 yrs. of age or older.** Specific content shall include, but not be limited to, instruction within a classroom in vehicle control and traffic procedures, defensive strategies for driving, natural laws and their application to driving, energy efficient and safe enjoyable vehicle ownership, physical and mental factors, legal and moral obligations, knowledge of motorcycle operations and interactions in the system, planning for safe travel to include map studies, and a comprehensive study of the effects of alcohol and drugs on driving performance.

### HOPE

Credits 1.0      Grades: 9-12

HOPE- "HEALTH OPPORTUNITIES THROUGH PHYSICAL EDUCATION" Incorporates the cognitive component (note, exams and labs) as well as the physical component (dressing out, fitness testing and participation) in the curriculum formally known as Life Management Skills and Personal Fitness. Students will comprehend and develop an appreciation for the principles of training and also incorporate a healthy foundation for future lifetime fitness

### TEAMSPORTSI

Credit: 0.5      Grades:10-12

The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of team sport, play, develop skills in selected team sports, and maintain and/or improve their personal fitness should be stressed. The content should include, but not be limited to, knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in selected team sports. Team sports selected may include, but not be limited to, flag football, soccer, softball, basketball, and volleyball. Activities selected in Team Sports I shall not be repeated in Team Sports II. Strategies of team sports play, skill acquisition, and maintenance and/or improvement of personal fitness should be stressed.

### WEIGHT TRAINING (beginning, intermediate and advanced)

Credit: .50 each class      Grades: 10-12

The content should include, but not limited to, knowledge of the importance of muscular strength and endurance, assessment of muscular strength and endurance. Skeletal muscles, application of biomechanical and physiological principles to improve and maintain strength and endurance, sound nutritional practices related to weight training, safety practices, and relevant consumer issues.

## SCIENCE

### ANATOMY AND PHYSIOLOGY, HONORS

Credit: 1.0      Grades: 10-12

*Prerequisites: **Biology I or Honors with a "C"***

**Meets Science requirement for graduation**

The content should include, but not be limited to, anatomical terminology, cells and tissues, integumentary system, skeletal system, muscular system, nervous system, special sensory organs, endocrine system, circulatory system, respiratory system, digestive system, excretory urinary system, reproductive system, homeostasis, disease process, immune response, and inheritance: molecular, cellular, organism; mutations and genetic disorders. Opportunities to understand the interactions of science with technology and society should be provided.

**NOTE: All students in the Academy of Health Professions must take and pass this course to be a program completer.**

### BIOLOGY I

Credit: 1.0      Grades: 9-12

*Prerequisites or co-requisite: **Physical Science***

**Meets Science requirement for graduation**

The purpose of this course is to provide exploratory experiences and laboratory and real-life applications in the biological sciences, The content should include, but not be limited to , the following: the nature of science, matter, energy, and chemical processes of life-cell: biology, reproduction, and communication-genetics: principles, molecular basis, diversity, and biotechnologies-levels of organization, classification, and taxonomy-structure, function, and reproduction of plants, animals, and microorganisms- behavior to organisms-interdependence of organisms, humans, and the environment-biological selection, adaptations, and changes through time-agricultural, food, and medical technologies and careers.

## **BIOLOGY I, HONORS**

Credit: 1.0 Grades: 9-12

*Prerequisites or co-requisite:* **Physical Science, Honors or Gifted, with a “C”**

### **Meets Science requirements for graduation**

The content should include, but not limited to, scientific method, scientific measurement, laboratory safety and use of laboratory apparatus, biochemistry, cell biology, cell reproduction, genetics, biological changes through time, classification and taxonomy, microorganisms and disease, structure and function of plants, structure and function of animals, human anatomy and physiology, and ecological relationships. Opportunities to understand the interactions of science with technology and society will be provided.

## **CHEMISTRY I**

Credit: 1.0 Grades: 10-12

*Prerequisites:* **Geometry, Algebra I, and Physical Science with a “C”;** co-enrolled or completed **Algebra II**

### **Meets Science requirement for graduation**

This course is designed to serve as a foundation for the study of Chemistry. The utilization of scientific inquiry, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of Chemistry in the world around them; enabling them to apply these properties to their everyday lives.

## **CHEMISTRY I, HONORS**

Credit: 1.0 Grades: 10-12

*Prerequisites:* **Geometry, Algebra I, and Physical Science with a “C”;** co-enrolled in **Algebra II or Trigonometry**

### **Meets Science requirements for graduation**

The content should include, but not limited to, heat, changes of matter, atomic structure, periodic table, bonding, formulas and equations, mole concept, gas laws, energy and order, reaction rates and equilibrium, solutions: acids, bases, salts, nuclear chemistry, electrochemistry, and organic chemistry. Opportunities to understand the interactions of science with technology and society should be provided.

## **EARTH/SPACE SCIENCE**

Credit: 1.0 Grades: 10-12

### **Meets Science requirements for graduation.**

The content shall include, but not limited to, origin of the universe and solar system, life cycle of stars, Earth-Moon system, U.S. manned space program and exploration, formation of igneous, sedimentary, and metamorphic rocks and identification of minerals, divisions of the earth, formation of land forms and basic mountain types, fundamental plate tectonics, formation of rivers and water systems, erosion, mass movements, wind, glaciers, hydrologic cycle, oceanography and ocean currents, meteorology and cloud types, weather mapping, soil composition, geologic periods and fossils, and energy resources, renewable and nonrenewable. changes, acids, bases and salts.

## **FORENSIC SCIENCE**

Credit: 1.0 Grades 11-12

### **Meets Science requirements for graduation.**

*Prerequisites:* *Chemistry*

Forensic Science I is an integrated science course that enables students to experience the application of the sciences to the investigation of a crime. Students will be introduced to the basic concepts of forensics through a core-based course using, but not limited to, scientific evidence, critical argument, deductive reasoning, problem solving, and reporting media. Issues related to justice and society are introduced within a forensic context. Laboratory investigations which include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

## **MARINE SCIENCE I, HONORS**

Credit: 1.0 Grades: 11-12

*Prerequisites:* **Biology I with a “C”.**

### **Meets Science requirements for graduation**

The content should include, but not limited to, the following: the nature of science; the origins of the oceans; the chemical, physical, and geological aspects of the marine environment; ecology of various sea zones; marine communities; the diversity of marine organisms; characteristics of major marine phyla/divisions; and, the interrelationship between humans and the ocean. Relevant Sunshine State Standards are to be included. Field experiences and related laboratory investigations of selected topics in the content, which also include the use of scientific method, measurement, laboratory apparatus, and safety procedures, are an integral part of this course.

## **PHYSICAL SCIENCE**

Credit: 1.0 Grades: 9

### **Meets Science requirements for graduation**

The purpose of this course is to provide opportunities to study the concepts of matter, energy, and forces, and their applications through exploratory investigations and activities. The content should include, but not be limited to, the following: unifying concepts and processes of science, structures of atoms, structure and properties of matter, chemical reactions, entropy and conservation of energy, interactions of energy and matter, motions and forces, interactions among science, technology and society.

## **PHYSICS I, HONORS**

Credit: 1.0      Grades: 11-12

### **Meets Science requirement for graduation**

Prerequisites: Algebra II; Trigonometry.

The content shall include, but not limited to, kinematics, dynamics, energy, work and power, heat and thermodynamics, wave characteristics, light, electricity, magnetism, nuclear physics.

## **ZOOLOGY HONORS**

**Credit** 1.0      **For Grade** 11-12

**Prerequisites** Biology

### **This course DOES NOT meet the Science requirement for graduation**

The purpose of this course is to provide an in-depth study of the animal kingdom with emphasis on vertebrate animals. The program integrates animal cell structure and function, animal genetics, animal classification comparative vertebrate anatomy and physiology, animal behavior and life cycles and man's interrelationships with animals.

**NOTE: All students in the Vet program must take and pass this class.**

## **SOCIAL STUDIES**

### **AFRICAN-AMERICAN HISTORY**

Credit: .5      Grades: 9-12

The primary content emphasis for this course pertains to the study of the chronological development of African-Americans by examining the political, economic, social, religious, military and cultural events that affected the cultural group. Content will include: West African heritage, the Middle Passage and Triangular Trade, the African Diaspora, significant turning points and trends in the development of African-American culture and institutions, enslavement and emancipation, the Abolition, Black Nationalist, and Civil Rights movements, major historical figures and events in African-American history, and contemporary African-American affairs.

### **AMERICAN GOVERNMENT**

Credit: .5      Grades: 9

This course will enable students to gain an understanding of the American government and the political behavior that is essential for effective citizenship and active involvement in a democratic American society. **Graduation Requirement.**

### **AMERICAN GOVERNMENT HONORS**

Credit: .5      Grades: 9

This course will enable students to gain an understanding of the American government and the political behavior that is essential for effective citizenship and active involvement in a democratic American society. **Graduation Requirement.**

### **UNITED STATES HISTORY**

Credit: 1.0      Grade: 11

This course will enable students to understand the development of the United States from the post-Reconstruction period to the present.

**Graduation Requirement**

### **UNITED STATES HISTORY HONORS**

Credit: 1.0      Grade: 11

This course will provide students with the opportunity to acquire an in-depth and comprehensive understanding of the chronological development of the American people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the nation.

**Graduation Requirement**

### **ECONOMICS**

Credit: .5      Grade: 12

This course will provide students with the opportunity to acquire an understanding of the way in which society organizes its limited resources to satisfy unlimited wants. The student will be introduced to the major characteristics of the mixed market economic system in the United States and how the basic economic questions are answered. **Graduation Requirement**

### **ECONOMICS HONORS**

Credit: .5      Grade: 12

This course will provide students with the opportunity to acquire a comprehensive understanding of the way in which society organizes to utilize its limited resources to satisfy unlimited wants and the distinguishing characteristics of other types of economic systems with particular attention to the American mixed market system. The major emphasis is to provide the student with the tools to examine and analyze the market solutions and public policy decisions related to economic problems. **Graduation Requirement**

## **LAW STUDIES**

Credit: .5      Grade: 9-12

The primary content for the course pertains to the study of the American legal system as the foundation of American society by examining those laws which have an impact on citizens' lives and an introduction to fundamental civil and criminal justice procedures. Content should include: the need for law, the basis for our legal system, civil and criminal law, adult and juvenile courts, family and consumer law, causes and consequences of crime, individual rights and responsibilities, and career opportunities in the legal system.

## **PSYCHOLOGY I**

Credit: .5      Grade: 10-12

The purpose of Psychology is to provide students with the opportunity to acquire an understanding of human behavior, behavioral interaction, and the progressive development of individuals. Appropriate concepts and skills will be developed in connection with the content that follows. Specific content to be covered will include, but not be limited to, the theories and methods of study employed by psychologists, human growth and development, self-concept development, adjustment, motivation and desire, intelligence, conditioning and learning, memory, personality and behavior, emotion and frustration, abnormal behavior, conformity, autonomy, alienation, stress, mental health, and therapeutic techniques.

## **PSYCHOLOGY II**

Credit: .5      Grade: 10-12

*Prerequisites:*    **Psychology I**

The purpose of Psychology II is to provide students with the opportunity to expand their understanding of human behavior, behavioral interaction, and the progressive development of individuals. Appropriate concepts and skills will be developed in connection with the content that follows. After successfully completing this course, the student will be able to: recognize the types of descriptive and inferential statistics, understand how information is stored and retrieved, understand the functions of sensing and perceiving, recognize the interaction between motivation and emotion, distinguish among the states of altered consciousness, recognize the prevalence of stress in society, understand the role of adjustment in society, understand the theories of human interaction, and utilize the appropriate vocabulary, reference/study, critical thinking and decision making skills.

## **WORLD HISTORY**

Credit: 1.0      Grade: 10

World History will provide students with the opportunity to acquire an understanding of the chronological development of civilization by examining the political, economic, social, religious, military, dynastic, scientific, and cultural events that affected humanity. **Graduation Requirement**

## **WORLD HISTORY HONORS**

Credit: 10      Grade: 10

World History Honors will provide students with the opportunity to acquire a comprehensive understanding of the past in terms of what has been interpreted about change or process as it relates to the development of humanity. Implicit in this is an understanding of the historical method, the inquiry process, historical reasoning and interpretation, and the issues of external and internal validity. **Graduation Requirement**

## **WORLD RELIGIONS**

Credit .5      Grades 10-12

The primary content emphasis for this course pertains to the study of major world religious traditions of Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will identify criteria upon which religious beliefs are based, analyze relationships between religious and social and political institutions, trace the major developments of the world's living religions, distinguish the similarities and differences among the world's major religious traditions, synthesize information and ideas from conflicting religious beliefs, and interpret the development of a society as reflected by its religious beliefs.

## **WELDING**

### **WELDING TECHNOLOGY 1-8**

Credit 1.0 each class      Grades: 9- 12

MIG-TIG-Stick – what in the world is that? These are specific welding skills learned in this program. Students will create metal designs and learn the latest welding techniques.

**Hillsborough County Public Schools  
GRADUATION REQUIREMENTS  
STUDENTS ENTERING 9<sup>TH</sup> GRADE IN THE 2014-2015 School Year and Thereafter**

	<b>24 CREDIT PROGRAM STANDARD DIPLOMA</b>	<b>SCHOLAR DESIGNATION (In Addition to the 24 Credit Standard Diploma Requirements)</b>
<b>English</b>	<b>4 required</b> English I, II, III, IV	
<b>Mathematics</b>	<b>4 required</b> Including <sup>1</sup> Algebra I or its equivalent and <sup>2</sup> Geometry Industry certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra I and Geometry).	1 credit in Algebra II 1 credit in Statistics or equally rigorous mathematics course Pass Geometry End of Course Exam (EOC)
<b>Science</b>	<b>3 required</b> Including <sup>3</sup> Biology I and two credits in equally rigorous science courses Two credits must have a laboratory component. <ul style="list-style-type: none"> <li>• An industry certification that leads to college credit substitutes for up to one science credit (except for Biology I).</li> <li>• An identified rigorous Computer Science course with a related industry certification substitutes for up to one science credit (except for Biology I).</li> </ul>	Pass Biology I EOC * 1 credit in Chemistry or Physics 1 credit in a course equally rigorous to Chemistry or Physics
<b>Social Studies</b>	<b>3 required</b> World History, <sup>4</sup> United States History, United States Government (.50 credit), and Economics with Financial Literacy (.50 credit)	Pass United States History EOC *
<b>Fine Arts</b>	<b>1 required</b> In Fine or Performing Arts, Speech and Debate, or approved Practical Arts course	
<b>Physical Education</b>	<b>1 required</b> HOPE	
<b>World Language</b>	Not required for graduation, but at least two credits in the same language are required for admission into four year colleges and universities.	Two credits in the same world language
<b>Electives</b>	<b>8 required</b> Elective credit details for Bright Futures Scholarships, go to <a href="http://www.floridastudentfinancialaid.org">www.floridastudentfinancialaid.org</a>	
<b>Online/Virtual Course</b>	At least one course within the 24 credits required must be completed through online learning.	
<b>Minimum Graduation Credit Requirement</b>	<b>24 credits</b>	<b>24 Credits</b> One credit must be in Advanced Placement (AP), AICE, dual enrollment, or International Baccalaureate (IB).
<b>ACCEL OPTION (18 CREDIT)</b>	Three elective credits instead of eight; Physical Education is not required; Online/Virtual Course not required. All other graduation requirements for a 24-credit standard diploma must be met (per Florida Statutes).	
<b>Merit Designation</b>	In addition to the 24 credit standard diploma requirements, students pursuing merit designation must attain one or more industry certifications from the state approved list.	
<b>Seal of Bilingualism</b>	The attainment of a high level of competency in listening, speaking, reading, and writing in one or more foreign languages in addition to English.	
<b>Assessment</b>	Must pass Florida Standards Assessment (FSA) Grade 10 English Language Arts (ELA) assessment (or earn concordant ACT or SAT score) and <sup>1</sup> Algebra I EOC exam (or earn PERT comparative score).	
<b>GPA</b>	2.0 on a 4.0 scale (unweighted state GPA)	
<b>GPA Bonus Points</b>	.04 Points per .50 honors credit (final grade must be C or above) .08 Points for Dual Enrollment, AP, and IB per .50 credit (final grade must be C or above)	



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