

# Freedom High School



## Course Selection Guide

**2021-2022**



# STATE *of* FLORIDA GRADUATION REQUIREMENTS

| Subject Area                               | 24 Credit Program - Standard Diploma  | Scholar Designation - Additions to 24 credit diploma requirements                       |
|--|---|---|
| <b>English</b>                             | 4 required Eng I, II, III, IV<br>AP -Lang sub for Eng III<br>AP -Lit sub for Eng IV   | FSA Reading/Writing Gr 10   |
| <b>Mathematics</b>                         | 4 required<br>Alg 1 & Geometry + 2 other<br>Industry certifications that lead to college credit may sub for two math credits other than Alg 1 & Geo.  | 1 cr. Alg 2<br>1 cr. Stat or equally rigorous<br>Pass Alg 1 EOC<br>Pass Geo EOC         |
| <b>Science</b>                             | 3 required - Bio 1 + 2 other<br>3 courses must be a lab science.<br>Industry certifications that leads to college credit including computer science, may sub for one science credit other than Bio 1. | Pass Bio 1 EOC<br>1 cr. Chemistry or Physics<br>1 cr. Equally rigorous to Chem or Phys. |
| <b>Social Studies</b>                      | 3 required - World Hist, US Hist, US Govt [1 sem], Economics [1 sem]  | Pass U.S. History EOC   |
| <b>Arts</b>                                | 1 required<br>Fine, performing or practical art or Speech/Debate  |   |
| <b>Physical Education</b>                  | 1 required - HOPE<br>(Health Occupational Physical Education)<br>2 days health class - 3 days physical education<br>Exemptions: Play 2 years of JV/Var sport or Naval Science                         |   |
| <b>World Language</b>                      | 0 required<br>At least 2 credits in the same language are required for admission into 4-year universities.  | 2 credits in the same language  |
| <b>Electives</b>                           | 8 required<br>Bright Futures Scholarship Info on elective<br><a href="http://www.floridastudentfinancialaid.org">www.floridastudentfinancialaid.org</a>   |   |
| <b>Online Virtual Course</b>               | At least one course must be earned online. The entire course must be completed online so choosing a course that has 2 semesters, both must be taken.  |   |
| <b>Minimum Graduation Credit</b>           | 24 credits  | 24 credits<br>One credit must be in AP, Dual Enrollment, AICE, IB                       |
| <b>Accel Option for a Standard Diploma</b> | 18 credits - All requirements above except:<br>3 Electives vs. 8 Electives<br>HOPE & Online Virtual Credit not required   |   |
| <b>Merit Designation</b>                   | In addition to 24 credit std. diploma requirements, students pursuing merit designation must attain one or more industry certifications from the state approved list.                                 |   |
| <b>Assessment Alternatives</b>             | Alg 1 EOC - PERT w/ a score of 97 or above.<br>FSA Reading/Writing - ACT w/ a score of 19 or above or SAT w/ a score of 430 in Reading or above.  |   |
| <b>Grade Point Average (gpa)</b>           | 2.000 unweighted or above.  |   |
| <b>GPA Bonus Points</b>                    | .04 - Honors designated courses<br>.08 - AP/Dual Enrollment designated courses<br>Must earn a C or above to receive bonus points.   |   |
| <b>Graduation Exams</b>                    | <u>Minimum Score Required:</u> FSA Reading/Writing Gr. 10 & Alg 1 EOC   | <u>No Minimum Score Required:</u> Geometry EOC, Biology EOC, US History EOC             |

## Course Offering Schedule

Odd/Even School Year = Year school begins (example 2020-2021 is Even, 2021-2022 is Odd)

Odd School Years: AP Computer Science Principles  
AP Chemistry  
AP Psychology  
AP Music Theory  
AP Statistics  
AP Capstone Research

Even School Years: AP Physics 1  
AP Calculus BC  
AP Capstone Seminar  
AP Environmental Science  
AP Art History

Each Department appears in **Red**

Advanced Placement Courses and Dual Enrollment Courses Appear in **Green**

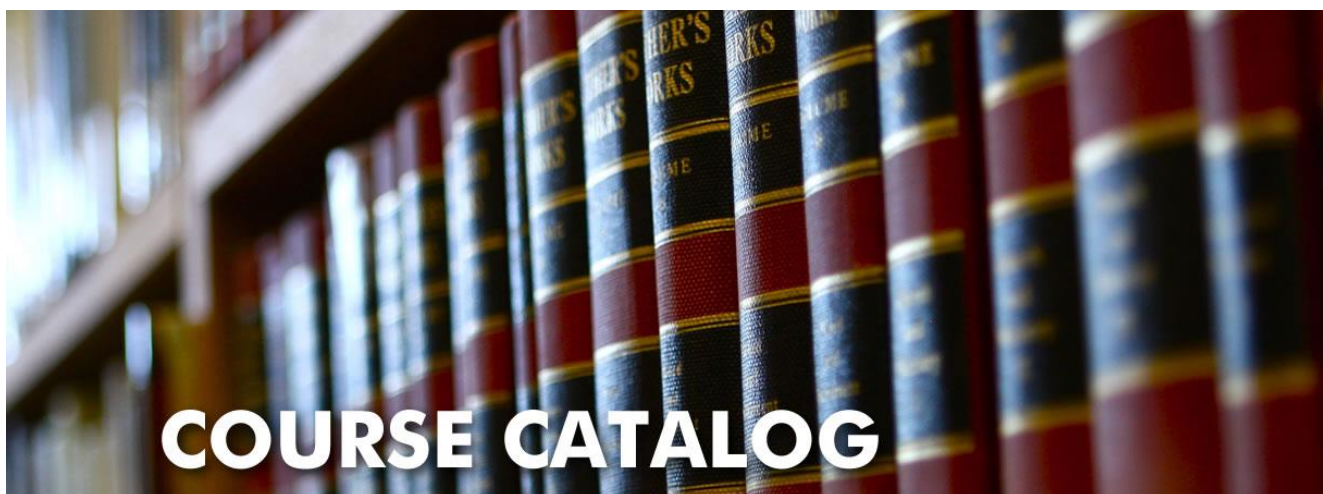
AP Courses require each student to sign a contract agreeing to complete the course.

$\frac{1}{2}$  credit courses are one semester courses.  
1 credit courses are one year courses.

Pre-requisite - A prior course must be taken before signing up for the course listed.

Co-requisite - Must be enrolled in a specific course at the same time as the course listed.

All courses are offered but require a minimum of 15 registered students in order to carry the course.



# English

## Springboard

Core English classes throughout Hillsborough County implement the College Board's SpringBoard program as part of their curriculum. SpringBoard is a unique, comprehensive program that enables students to build the skills and understanding they need for success in AP courses and college-level work. This powerful program provides rigorous English and mathematics lessons for students in grades 6-12.

## English I Honors

1 credit

Grade 9

This course is an introduction into the world of literature at a secondary level. Poetry, short stories, drama, novels, and nonfiction will be thoroughly explored during the year. Students will be introduced to authors from Shakespeare to Hemingway. In addition to these topics, writing will play an important part in this course's curriculum. The writing process and different styles and genres of composition will be taught. Students will be encouraged to write frequently in and out of class. This class will begin to prepare students for the rigorous academic challenges in English that await them after high school graduation. Finally, this course will help prepare students to take and successfully pass the reading and writing portion of state assessments.

## English II Honors

1 credit

Grade 10

At this level, the literature is focused around writings from all over the world. The Western and Non-Western traditions of fiction, poetry, drama, and nonfiction will be fully explored. Students will spend time analyzing the cultural and theoretical meanings behind some of the classical works of literature. Again, a strong emphasis will be placed on writing, and written proficiency will be a high priority for all students. In preparation for post-secondary education, students will be encouraged to write often in and out of school on various topics. This class will help prepare students to take state assessments.

## English III Honors

1 credit

Grade 11

This class focuses primarily on the literature of the United States. Throughout the year, students study the material from the colonial period to the modern era. Novels, plays, short stories, poetry, and nonfiction will be analyzed and explored. Seminal U.S. documents and authors such as Hughes, Miller, and Hurston will be covered in some depth. At the junior level, English plays an important role in preparing students for their final years in high school and beyond. Within the English III Honors curriculum, special attention will be placed on preparing students to take the SAT, the gateway to colleges and universities across the nation. Providing a solid basis in composition and reading analysis will be a priority throughout the year's syllabus.

## English IV Honors

1 credit

Grade 12

During a student's final year in high school, the English class focuses on the literature from Great Britain. From this heritage, students will study the beginnings of the English language and Shakespeare to the modern poet laureate of England. Composition skills, grammar, novels, poetry, short stories, and drama will all be covered. The instructor will help provide a smooth transition from high school English into college composition.

## Advanced Placement English: Lang. & Comp.

1 credit

Grade 11

Love to write? Love to read? Looking for a challenge? Do you work well under pressure? The purpose of this rigorous college-level 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. *Summer reading is required. Students must take the AP examination.*

## Advanced Placement English: Lit. & Comp.

1 credit

Grade 12

Using literature ranging from Dante's *Inferno* to modern prize-winning novels, this class is a college level course that allows students the opportunity to earn college credit by taking the AP Exam in the spring. Intensive concentration on composition skills, narrative techniques, and comprehensive reading will fully prepare students for the exam designed by the National College Board Advanced Placement Program. *Summer reading is required. Students must take the AP examination.*

## Advanced Placement Capstone Seminar

1 credit

Grade 10-12

Offered on the EVEN year.

The student will develop and strengthen their analytic and inquiry skills, exploring deeply topics and issues chosen by the student or teacher. They will learn to consider an issue from multiple perspectives, evaluate the strength of an argument and make logical, fact-based decisions. During the course, the student will complete a team project, an individual paper and presentation, and take a written end-of-course exam. The AP Seminar Exam score will be based on all three assessments using the 1-5 AP scale. The Capstone diploma can be earned upon successful completion of AP Seminar & AP Research in addition to four other AP courses chosen by the student.

## Advanced Placement Capstone Research

1 credit

Grade 11-12

*Prerequisite: AP Capstone Seminar*

Offered on the ODD year.

The student will complete an independent research project on a topic of interest to the student. At the end of the research project, the student will submit an academic thesis paper of about 5,000 words, present their findings and orally defend their work. The AP Research score will be based on the thesis, the presentation and the oral defense using the 1-5 AP scoring scale. The Capstone diploma can be earned upon successful completion of AP Seminar & AP Research in addition to four other AP courses chosen by the student.

## AP Support (Research 1 - elective credit - no honors credit)

1 credit

Grade 10-12

*Prerequisite: 2 or more AP courses or 1<sup>st</sup> time AP student*

This course is designed for students taking 2 or more AP courses or first time AP student. The purpose of the course is to offer the support needed to guide students through the process whether this is their first AP course or they have prior experiences. Study time is provided within the framework of a classroom setting which is structured and flexible. Expectations are clearly defined so that students can manage their time, meet the objectives of the course and perform to the best of their abilities in their AP classes. This is not an open study hall. A curricular framework structures this class.

## Journalism I

1 credit

Grades 9-12

Is it your goal to work on the school newspaper or yearbook staff? Journalism 1 is an overview of journalistic media, it's history and applications within the scholastic press.

Journalism 1 offers experiences in photography, graphic design, advertising, typography and media law and writing for a variety of purposes including news, feature, entertainment, sports and editorial coverage.

## Journalism 2 - 4 Newspaper

1 credit

Grades 10-12

*Prerequisites: Journalism 1 and/or teacher approval.*

Do you want to be a part of an award-winning staff? The Revolution Newspaper has won awards at the national, state and local levels. Most importantly, newspaper improves writing and communication skills. Being a part of The Revolution staff provides the opportunity to have a unique glimpse into the lives of the people who make up the Freedom community. From news, to sports to entertainment and opinion, the staff covers a wide range of subjects. Staff members have traveled to conventions nationally (Chicago, Washington DC, Orlando) where they take part in workshops and compete against other student journalists.

## Journalism 2 - 4 Yearbook

1 credit

Grades 10-12

*Prerequisites: Journalism 1 and/or teacher approval*

The Glory Yearbook is created by students, from cover to cover. Staff members will learn photography, design, interviewing, copy writing, social media, advertising and marketing while creating the yearbook. Staff members have been featured in national publications, podcasts and on social media campaigns. Our yearbook has been recognized as one of the best in the state by the Florida Scholastic Press Association for its theme, design, writing and photography. Staff members have traveled to conventions nationally (Chicago, Washington DC, Orlando) where they take part in workshops and compete against other student journalists. Staff members have also hosted workshop sessions at the district and state workshops on establishing a social media presence.

## Creative Writing I - Sem 1

1 credit

Grades 9-12

This course is designed for those students who already have an appreciation for the art of writing and wish to pursue their talents further. In a workshop/lecture format, students will take part in poetry and nonfiction activities designed to enhance their command of the language. Students will, read, write, and respond to a variety of materials designed to guide them to a deeper understanding of what writing is, and how they can increase their own abilities. Students will be encouraged to publish their work in a variety of forms and to seek opportunities for public display.



## Creative Writing II - Sem 2

In a workshop/lecture format, students will take part in fiction and script writing activities designed to guide them to a deeper understanding of the craft and to lead them to a possible career in writing. Students will be encouraged to publish their work in a variety of forms and to seek opportunities for public display.



**Two blocks taken as a 1-year course.**

## **AVID 1 / 2**

1 credit

Grades 9-12

Interested in going to college and receiving scholarships? AVID is a college preparatory program that focuses on college success for students, through supporting academics and increasing a school wide college going culture. Students must fall between the academic middle-high with a minimum gpa of 2.0 for application into the AVID Program. AVID students will be required to have enrollment in rigorous courses of study to establish a competitive college application to obtain enrollment. College scholarship application assistance will also be provided by the AVID coordinator, teachers, tutors, and peers. The AVID elective class provides students with an opportunity to build and sharpen the skills that will help them to be successful in advanced level classes including note-taking, organization, and questioning techniques, SAT/ACT prep, positive team building skills, and small group peer tutoring on a weekly basis. AVID supports students who wish to enroll into T2M4 (technical school, two year college, military, and 4yr univ.) after high school and encourage all to apply on the website.

## **AVID 3 / 4**

1 credit

Grades 10-12

Continuance of AVID college preparatory program with a direct focus on completing college entrance requirements, college funding, and financial literacy.



## **English I through ESOL**

1 credit

Grade 9

This course helps students acquire English as a second language through listening, viewing speaking, reading, and writing. This language-based curriculum is supplemented with grade appropriate grammar and literature while addressing the needs of the individual student. Real life topics help students develop both language and critical thinking skills. Studies of holidays, entertainment, and social issues help students become acclimated to our national culture. Course requirements include the benchmarks from the Sunshine State Standards.

## **English II through ESOL**

1 credit

Grade 10

Students are provided integrated educational experiences in listening, viewing, speaking, reading, and writing in order to gain language proficiency and independence in effective communication. The application of skills and strategies increases in complexity, as needed for the language proficiency of the individual student. Literature selections by American and British authors parallel those included in the high school curriculum. This course meets benchmark graduation requirements and is designed to provide students with skills for employment and college entrance.

## **English III through ESOL**

1 credit

Grade 11

Offered for students who are developing and improving skills in English as a second language, this course offers strategies for effective communication through word study, informative, technical, and literary texts, grammar usage, viewing techniques, and the development of writing skills. Needs of individual language proficiencies are met as experiences and literary selections by American authors parallel the high school curriculum for juniors.

## **English IV through ESOL**

1 credit

Grade 12

The purpose of this course is to provide whole language experiences of senior students who are native speakers of languages other than English. The research process, techniques for analyzing information and communication in formal and informal situations are included. Emphasis is placed on style and format in writing critical and aesthetic responses to British and world literature, and effective communication in the academic setting and the work place. Graduation requirements and benchmarks from the Sunshine State Standards are met as the senior high school curriculum is paralleled.

# Mathematics

## Algebra I

1 credit

Grades 9-12

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 scientific and/or graphing calculators.

This is an entry level course for a college preparation course of study and fulfills the graduation benchmark.

## Algebra I Honors

1 credit

Grades 9-12

*Prerequisite: Grade of B or higher in Pre-Alg.*

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. Students will be expected to continue onto Geometry Honors.

## Liberal Arts Mathematics I

1 credit

Grades 9-11

*Prerequisite: Algebra I*

Designed for the student who has completed Algebra I with limited success, the purpose of this course is to strengthen the mathematics skills required for standardized tests and continued mathematics study.

## Geometry

1 credit

Grades 9-12

*Prerequisite: Algebra I w/ grade of D or higher.*

The purpose of this course is to emphasize critical thinking involving the discovery of relationships and their proofs and applying the deductive method to mathematical situations. Topics include lines, planes, area, volume, polygons, and constructions.

## Geometry Honors

1 credit

Grades 9-12

*Prerequisite: Algebra I Honors w/ grade of C or higher.*

This course provides a rigorous and in-depth look at the study of geometry with emphasis on using hands on investigations that lead to the discovery of relationships, methods of proof, and the formal language of mathematics.

## Algebra II

1 credit

Grades 10-12

*Prerequisite: Geometry & Algebra I w/ grade of C or higher.*

The purpose of this course is to continue the study of the structure of Algebra and to provide the foundation for applying these skills to other mathematics and scientific fields. A graphing calculator will be used to help support the algebraic concepts introduced in this course.

## Algebra II Honors

1 credit

Grades 10-12

*Prerequisite: C or higher in Geometry Honors & Alg 1 Hon*

The curriculum of this course begins the study of functions and their graphs. Each type of function (linear, quadratic, polynomial, exponential, logarithmic, rational, etc) will be examined. There is an emphasis on a multi-representational approach with concepts and results being expressed numerically, graphically, and algebraically. A graphing calculator is required.

## Advanced Topics in Mathematics

1 credit

Grades 11-12

*Prerequisite: Algebra 2*

The purpose of this class is to strengthen the mathematics skills of college bound students. The course examines topics that students will encounter in an entry level college mathematics course. A graphing calculator is required.

## Math for College Readiness

1 Credit

Grades 10-12

This course was designed for students interested in strengthening their mathematics skills while improving their performance on college preparatory tests. It is NOT an alternative to Algebra 2. Students who wish to earn any College Prep Diploma must successfully complete Algebra 2.

### MA/Trig is taken as a block.

#### Math Analysis Sem 1

1/2 credit - Combo course w/ Trig

Grade 11-12

*Corequisite: 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, reasoning & thought come together. Applications of the mathematics previously learned will be emphasized. Graphing calculator is required.

#### Trigonometry Sem 2

1/2 credit - Combo course w/ MCS or MA

Grades 11-12

*Prerequisite: Alg 2 or Alg 2 Hon w/ grade D or higher*

*Corequisite: Math Analysis or Math for Coll Success*

The purpose of this course is to provide students with a study of circular and trigonometric functions and their applications. A graphing calculator is required.

## Pre-Calculus

1 credit

Grades 11-12

*Prerequisite: Algebra 2 honors & Teacher*

*Recommendation with a grade of A or B.*

This course focuses on the study of functions, their graphs, and their applications. Each type of function (linear quadratic polynomial, exponential, logarithmic, rational, and trigonometric: etc.) will be examined. There is an emphasis on a multi representational approach with concepts and results being expressed numerically, graphically, and algebraically. Applications of each type of function will be explored as well. A graphing calculator is required. Prerequisite for AP Calculus AB or BC.

## Advanced Placement Calculus AB

1 credit

Grades 11-12

*Prerequisite: C or better in Precalculus and teacher recommendation*

The course is designed to replicate the course work of a beginning calculus class at the college level. Students will study the content set forth by The College Board. Successful completion and satisfactory performance on the AP test may earn students college credit. A graphing calculator is required.

## Advanced Placement Calculus BC

1 credit

Grades 11-12

*Prerequisite: B or better in Pre-Calculus and teacher recommendation*

Offered on the EVEN year.

The course is designed to replicate the course work of college level Calculus. A more in depth look at calculus topics are studied. Students will study the content set forth by The College Board. Successful completion and satisfactory performance on the AP test can earn students college credit. College Board will award BC as well as AB scores on the culminating test for this course. A graphing calculator is required.

## Advanced Placement Statistics

1 credit

Grades 11-12

*Prerequisite: Algebra 2 or Algebra 2 Honors and teacher Recommendation*

Offered on the ODD year.

This course is designed to be comparable to one semester of an introductory non calculus based college statistics course. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating

patters, and statistical inference. Successful completion and satisfactory performance on the AP test may earn students college credit. A graphing calculator is required.



## Financial Algebra

1 credit

Grades 11-12

*Prerequisite: Algebra 1 or Geometry*

The financial literacy focus of this course provides a real-life framework to apply upper-level mathematics standards. In our consumer-based society, a mathematics course that addresses the results of financial decisions will result in more fiscally responsible citizens. 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.

### CALCULATOR RECOMMENDATIONS

#### • SCIENTIFIC (TI-30X, TI-34 OR TI-36X)

Algebra I, Algebra I Honors\*, Geometry, Geometry Honors\* Algebra II\*, Liberal Arts, College Prep Math.

#### GRAPHING (TI-83 Plus, TI-84 Plus)

*Required for these courses:*

Algebra II Honors, Trigonometry, Precalculus, Advanced Topics, Calculus (AB, BC), AP Statistics,

*\*Students enrolled in these classes are strongly encouraged to purchase the higher level calculator. Please consider future plans in your purchase decisions, as the graphing calculator is required in many other higher level mathematics and science courses in both high school and college.*



# Science

## Physical Science

1 credit

Grade 9-12

Physical Science is a laboratory science course that explores the relationship between matter and energy. This course will explore matter in physical world and is intended to be hands-on, discovery based, and student centered. Real life applications are utilized as much as possible. Chemistry is the focus for the first half of the year with an emphasis on Physics during the second half of the year. This course will prepare the students with fundamental skills such as: manipulating data, observing, and application of the scientific method. Students will explore the how and why of general science with the emphasis that science is a process, not just learned facts.

## Biology 1

1 credit

Grades 9-10

*Prerequisite: Physical Science*

Laboratory investigations that 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.

## Biology 1 Honors

1 credit

Grades 9-10

*Prerequisite: Physical Science w/ Grade of A or B.*

While the content focus of this course is consistent with the Biology I course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that 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.

## Advanced Placement Biology

1 credit

Grades 11-12

*Prerequisite: A/B in Biology Honors; A in Chemistry or B in Chemistry Honors*

If you want to get a jump on your college career, this course is for you. It provides a college level study in biology and prepares students to receive credit and/or appropriate placement in college biology courses. The content includes molecular and cellular biology, organismal biology and population biology.

## Anatomy and Physiology Honors

1 credit

Grades 11-12

*Prerequisite: A/B in Biology Honors*

Interested in a career in a medical field? Want to learn more about the human body and how it works? Anatomical structures of all body systems and their functions are covered in depth. Observing various tissues microscopically & a detailed dissection of the cat are among the many lab experiences that await you.

## Earth Space Science

1 credit

Grades 10-12

Discover the beauty and violence earth has to offer, from majestic mountains to explosive volcanic eruptions. Learn about all the wonderful yet sometimes brutal forces that make our planet unique. Then travel through space to try to decipher man's place in the cosmos.

## Forensic Science 1 Honors

1 credit

Grades 11-12

Be a real-life investigator! Discover the world of forensic science. Find out how real crime scene investigators solve crimes! Learn the techniques necessary to identify evidence. Participate in solving a crime each semester. Learn the genetics that can help identify the perpetrator(s). This course is hands-on with a great deal of research and lab experience.

## Forensic Science 2 Honors

1 credit

Grades 11-12

*Prerequisite: Forensic Sci 1*

Forensic Science 2 is part of a comprehensive course offering as a second-level high school course in Forensic Science. The focus of this course will be to further emphasize the value of crime scene evidence, build on concepts already introduced in Forensic Science 1, dive into popular case studies, and introduce additional topics, such as serial killers, arson, and forensic dentistry. This course combines basic theory and real laboratory mock crime scene experiments, creating an experiment-based situation for the better understanding of the students. The experiments used reinforce previously learned scientific principles rooted in Biology, Chemistry and physics beneficial for any student determined to go on to a career in the scientific field.

## Chemistry I

1 credit

Grades 10-12

*Pre/Co-requisite: Geometry*

Chemistry I is a laboratory science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. Students use science process skills to study the fundamental structure of atoms, the atoms combine to form compounds, and the interactions between matter and energy. Students explore chemistry concepts through an inquiry-based approach. Embedded standards for Inquiry and Mathematics are taught in the context of the content standards for Atomic Structure, Matter and Energy, and Interactions of Matter.

## Chemistry I Honors

1 credit

Grades 10-12

*Pre/Co-requisite: Algebra 2*

A rigorous study of the composition, properties and changes associated with matter. The content includes heat, changes of matter, atomic structure, periodic table, bonding, formulas, and equations, mole chemistry, electrochemistry and organic chemistry.

## Advanced Placement Chemistry

1 credit

Grades 11-12

*Prerequisite: Successful completion of Chemistry 1 Honors*

Offered on the ODD year.

A college-level class with which motivated students can earn up to eight hours of credit. Spanning both semesters of traditional college chemistry, this course includes kinetics, electrochemistry, thermodynamics and acid/base equilibrium. Develop your analytical thinking skills and prepare yourself for college studies. Highly recommended for students planning to enter a medical field, this class can help you achieve your goals! Recommended as a two period course, but students can come Friday mornings if they chose to take the accelerated option.



## Physics 1 Honors

1 credit Grades 10-12

*Pre-requisite: Chemistry Honors & Alg 2 - C or above*

Newtonian Physics at its finest! From Galileo, Kepler, Newton to Hawking, we study concrete examples of kinematics, dynamics, energy transformations and the processes involved. You need a good working knowledge of mathematics to enjoy the equation manipulations often necessary to understand these energy transformations. Second semester, we discover concepts about light, heat, sound, magnetism electricity and nuclear particles. Throughout the year, you will have many hands-on lab experiences.

## Advanced Placement Physics 1

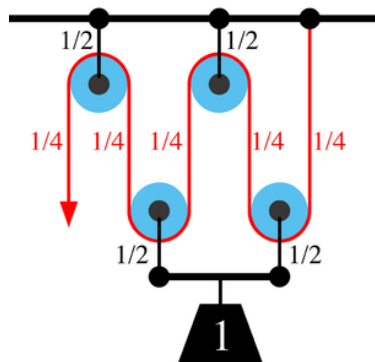
1 credit

Grades 11-12

*Pre-requisite: Physics 1 Honors C or above*

Offered on the EVEN year.

This course is the equivalent of a first-semester college course in algebra-based physics, but it is designed to be taught over a full academic year to enable AP students to develop deep understanding of the content. This course covers Newtonian mechanical waves and sound. It also introduces electric circuits.



## Advanced Placement Environmental Science

1 credit

Grades 11-12

Grade 10 with recommendation & enrolled in Chemistry.

*Pre or co requisite: Chemistry*

Offered on the EVEN year.

AP Environmental Science is a rigorous science course designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world; to identify and analyze environmental problems, both natural and man-made; to evaluate the relative risks associated with these problems; and to examine alternative solutions for resolving and/or preventing them. It is unique compared to most other science courses because of the cross-curricular nature of the material. It includes material from geology, biology, chemistry, physics, geography, economics and environmental studies. Major topics studied include: the human population, the living world, the physical world, energy, the atmosphere and climate change, toxicology and risk, water, land and food, waste-recycling and sustainability.



# Social Studies

## US Government Honors

1/2 credit

Grade 12

This course provides students with the opportunity to acquire a comprehensive understanding of American government and political behavior. Students will be asked to analyze and incorporate information dealing with our political structure. Major documents dealt with in this course include the Declaration of Independence, The Constitution, and The Bill of Rights.

## Economics Honors

1/2 credit

Grade 12

This course provides students with the opportunity to acquire an understanding of the way in which society organizes its limited resources to satisfy unlimited wants. Students 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.

**These courses are taken as one block.**

## Advanced Placement Human Geography

1 credit

Grade 9-12

The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences.

They also learn methods and tools geographers use in their science and practice. Summer reading is required

## HUMAN GEOGRAPHY



## World History Honors

1 credit

Grade 10

This course provides 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. You will analyze the political, economic, social, religious, military, dynastic, scientific, and cultural events that have shaped and molded humanity. Implicit in this is an understanding of interpretation, and the issues of external and internal validity.

## Advanced Placement World History

1 credit

Grades 10-12

Students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

## US History Honors

1 credit

Grade 11

This course provides students with an in-depth study of American history from the Civil War to the contemporary issues that face American citizens. The emphasis is on developing an understanding of American life and attitudes today by looking at our political, social and economic past.

## Advanced Placement US History

1 credit

Grade 11

Are you a motivated, hard-working student who would like to earn college credit now? This might be the course for you. AP US History is an American history course which chronicles our country's history from early exploration through to present times. Students can earn AP points for this class, as well as an opportunity to earn college credit by passing an AP exam at the end of the year. It will require a great deal of dedication and responsibility on the student's part, but with that dedication students will learn the writing and study skills to be successful in other future courses. Class discussion and debates make this an exciting history course!

## Advanced Placement Micro Economics

1/2 credit

Grade 12

**[Must be taken as a year course with Macro Econ]**

This course is designed to provide students with a thorough understanding of the principles of economics as they apply to individual decision making units, including individual households and firms. The course provides an opportunity for the student to earn college credit and/or an advanced standing, and prepares students for rigorous college work & AP examination.

## Advanced Placement Macro Economics

1/2 credit

Grade 12

**[Must be taken as a year course with Micro Econ]**

This course is designed to provide students with an understanding of the American economy as a whole. Learn about world trade, the effect spending has on an economy, and the Gross Domestic Product. The student will take the Advanced Placement exam.

## Advanced Placement American Government

1/2 credit

Grades 11-12

**[This course must be taken with AP Comparative Politics]**

This course is intended for qualified students who wish to complete studies in secondary school equivalent to a one-semester college introductory course in American government and politics. The student will take the Advanced Placement examination.

## Advanced Placement Comparative Politics

1/2 credit

Grades 11-12

**[This course must be taken with AP Amer. Govt.]**

This course introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. Six countries form the core of the AP Comparative Politics course: China, United Kingdom, Iran, Russia, Mexico, and Nigeria. The student will take the AP examination.

## Law Studies

1 credit

Grades 9-12

Do you know the differences in 1st, 2nd, and 3rd degree murder? Can you tell which crimes deserve a life or death sentence? Do you know what your constitutional rights are? Do you know your rights if a police officer stops you? These are the questions that are answered in Law Studies, a mini-law course that examines the legal process of the U.S. with an emphasis on Florida Law. If you plan to go into law or want to be informed about the most important issues in today's society then this course is for you!

## Court Procedures

This class gives students the chance to learn about the court system, the gathering of evidence, the legal research involved in putting on a trial and the procedures used in a trial. Students will then participate in a mock trial acting out the various roles of the court personnel. If you want drama in the courtroom then take Court Procedures.

**This course is taken as one block.**

## Psychology I

1/2 credit

Grades 9-12

Do people annoy you or just plain seem strange? Are your relationships with parents, friends, and significant others strained? If you answered yes to any of these questions then psychology has the answers for you! In Psychology I, we explore the eighth wonder of the world- human behavior. We will discuss topics such as intelligence, personality, stress, and mental disorders. You'll find out just how intelligent you are with an IQ test, what type of personality you really have, and whether or not that crazy person next to you really suffers from an undiagnosed mental disorder.

## Psychology II

1/2 credit

Grades 9-12

Are you having trouble passing tests? Do you seem to forget everything? Unmotivated? Well, we may not be able to cure your inadequacies, but we can offer some clues about how the human brain works. In Psychology II, we explore the mind with such topics as memory, learning, dreaming, and motivation. You'll uncover your strengths and learn techniques for improving your weaknesses.

**This course is taken as one block.**

## Advanced Placement Psychology

1 credit

Grades 11-12

Offered on the ODD year.

**WANTED:** College bound juniors and seniors with motivation who are looking to finally study something useful! Slackers need not apply! In AP Psychology, we will scientifically study the causes of behavior and prepare you to deal with the array of personalities you're destined to meet in the future. This course will build on the topics overviewed in psychology land II, but on a college level.

## Leadership Skills Development

1 credit

*Prerequisite: Student Govt & Executive Board Members*

So, you want to be involved? As an elected officer or executive board member, you'll learn how to plan and implement top quality FHS events like Homecoming and Pep Rallies. You'll identify your strengths and work with others in becoming an all-around leader.

## Engaged Citizenship I & II (senior co-teach)

1/2 credit

Grades 12

Seniors who are in good standing and are in the top 10% of their class have an opportunity to co-teach with an instructor. The student will conduct small group instruction and field questions in a lower level courses. Grades will be assigned on the effectiveness and consistency of the senior working with students. No exams or curriculum is associated with this course.

# Career Education

## Advanced Placement Computer Science Principles

1 credit

Grades 9-12

Offered on the ODD year.

This course offers a multidisciplinary approach to teaching the underlying principles of computation. Introduction of creative aspects or programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns & computing aspects will take place.

Opportunities to use technology to address real-world problems & build relevant solutions. Students will have opportunities to earn industry certifications.

## Principles of Agribusiness

1 credit

Grades 9-12

This course provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning & problem solving skills, work attitudes, general employability skills, technical skills and occupation-specific skills and knowledge of all aspects of the agribusiness sector within the Agriculture, Food and Natural Resources career cluster. Application of economic and business principles involved in organization, operation and management of farms and agricultural business. **(This course replaces the economics requirement for graduation.)**



## Veterinary Assisting 1

1 credit

Grades 9-12

This course is designed to develop competencies in areas such as the history of the animal industry; applied scientific and technological concepts; safety; terminology; careers; breed identification; animal care and human relations skills.

## Veterinary Assisting 2

1 credit

Grades 9-12

This course is designed to develop competencies in areas such as basic first aid; scientific and technological; tools and equipment; breed identifications expanded and functions of systems.

## Veterinary Assisting 3

1 credit

Grades 9-12

This course is designed to develop competencies in the areas animal digestive systems; animal breeding; animal control; animal overpopulation; animal related laws; and breeds.

## Veterinary Assisting 4\*\*

1 credit

Grades 9-12

This course is designed to develop competencies in the areas of animal welfare and rights; research; record keeping; disease and parasites. **\*\*In order to reach Veterinary Assisting 5, you will need to double block two Vet Assisting courses in one of your 4 years. Certification is achievable.**

## Veterinary Assisting 5

1 credit

Grades 9-12

This course is a dual enrolled college course resulting in a veterinary assisting certification.

## FAMILY & CONSUMER SCIENCES

### Nutrition and Wellness

1 credit

Grades 9-12

A scientific based course that explores the components of wellness, healthy food choices, 6 basic nutrients and their food sources, food safety and storage, how to interpret food facts labels, etiquette, and MyPlate.

### Principles of Food Preparation

Basic food preparation skills for beginner cooks. Students will learn the causes of foodborne illness, proper food storage, 6 basic nutrients and their food sources, appetite appeal, the social significance of dining (etiquette), and the cultural aspects of foods.

**This course is taken as one block.**

## Family Home Consumer Techonology

1 credit

Grade 12

This class prepares you for independence after high school in the area of kitchen basics, personal finance, credit decisions, apartment leases, car purchases and future technology trends.

## BUSINESS

### **Customer Service Representative I, II, III & IV** (Teacher/Office Assisting)

1 credit Grades 9-12  
*Prerequisites: 2.0 GPA, counselor approval*

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 Marketing, Sales and Service 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 Marketing, Sales and Service career cluster. The purpose of this program is to prepare students for employment in customer service occupations such as customer service representative, customer service consultant, customer service agent, and customer care manager. The program is designed to prepare students for employment in entry level positions involving customer service activities. **Students will be assigned to an office or department as a Student Assistant for part of the week to get hands on practice and work on skills. We also offer DECA and many opportunities to get community service hours.**

### **Principals of Entrepreneurship**

1 credit Grades 9-12

This course provides instruction in the basic principles of entrepreneurship including the role of the entrepreneur, entrepreneurship as a career, ethics in business, and the principles of marketing, financing, and managing a technology related business. Students will create a business, develop a marketing plan, design a website, and pitch their business concept to a group of local "sharks". Students will have opportunities to earn industry certifications.

### **Digital Media Fundamentals 1 Honors**

1 credit Grades 9-12

This course is designed to provide a basic overview of DMF and how it is being integrated in today's business. Emphasis is placed on developing fundamental computer skills associated with digital media design. The intention of this course is to prepare students to be successful both personally and professionally in a digital media society. DMF includes the exploration and use of the Adobe Creative Cloud Software that introduces students in the creation and demonstration of how to manipulate art and design through the use of technology. This course introduces the essential concepts, components, terminology, & knowledge about digital media, software applications & delivery systems using Adobe Creative Cloud Software. Students will have the opportunity to earn Adobe Creative Cloud Certifications.

### **Digital Media Fundamentals 2 - Honors**

1 credit Grades 10-12  
*Pre-requisite: Digital Media Fundamentals*

This course is designed to provide a continuing look at the implementation of digital media fundamentals and the advanced techniques for creating and manipulating art and design in the everchanging technology world. Emphasis is placed on advancing the use of development and management of computer aided design associated with digital media. This course continues to build upon the fundamentals of InDesign, Illustrator, Photoshop and Animate digital publishing principles learned in Digital Media Fundamentals 1. Students will learn audio editing which brings a higher-level of application for students. Students in turn will have certification opportunities for Adobe Creative Cloud Certifications.

### **Web Design I, Foundations- Honors**

1 credit Grades 9-12  
*Pre-requisite: Digital Info Tech or Digital Media Found.*

Web 1 will guide you through the Internet basics teaching you the coding language called HTML and CSS. It will help you produce your first website and learn creative coding to enhance and beautify it to an unthinkable final project. You will learn how text and graphics behave on the web. You will learn and have opportunity to become certified in Adobe Dreamweaver. Students will have opportunities to earn industry certifications.

### **Web Design II, User Interface - Honors**

1 credit Grades 10-12  
*Prerequisite: Web Design I, teacher approval*

Learn JavaScript for your site and how to apply advanced graphics and multimedia to a web environment. You will gain knowledge of typography, advanced web design principles, advanced multimedia, GIF animation, graphic design techniques, and web page techniques. Get Industry Certified in Web Design Specialist. Students will have opportunities to earn industry certifications.

### **3D Animation 1 - 4**

1 credit

Grades 9-12

*Prerequisite: Recommended Digital Info Tech*

The 3D Animation course exposes students to the range of traditional and digital techniques used in stop-motion, Claymation, 2-D and 3-D computer animation. Students learn basic history as well as basic theory and mechanics behind animation, develop observational and drawing skills, and study the fundamental principles of character design, layout and storyboarding. Specialized software, called Maya, is used to create 3-dimensional images that are used in the animation. Much of this class is spent becoming familiar with the software and creating short 3-dimensional animations used for film or video games. Maya is used by industry powerhouses like Fox, Cartoon Network, and DreamWorks. While using the same software that is used by the pros in the industry, students will have the opportunity to earn an industry certification that will give them a leg up on other aspiring animators. Students will use Adobe Animate CC while learning 3D animation while also having the opportunity to earn industry certifications.

### **Game & Simulation Foundations (Gaming I)**

1 credit

Grades 9-12

Video Game Design Foundations provides students with a complete understanding of the technological and creative aspects of video game design in an easy-to-follow format. This course is designed to take any student from novice to expert. Students will have opportunities to earn industry certifications.

### **Game & Simulation Design (Gaming II)**

1 credit

Grades 9-12

*Prerequisites: Gaming I*

Building on the knowledge learned in Gaming II, students will learn more in depth concepts relating to game design. Students will build more complex games. Students will have opportunities to earn industry certifications.

### **Game & Simulation Graphic Artist (Gaming III)**

1 credit

Grades 10-12

*Prerequisites: Gaming II*

Building on the knowledge learned in Gaming III, students will learn more in depth concepts relating to game design. Students will build more complex games and learn to launch and execute the programs. Students will have opportunities to earn industry certifications.

### **TV Production I**

1 credit

Grade 9-12

The purpose of this course is to provide opportunities for students to develop skills in history of television; basic video camera functions and operation; postproduction skills in graphics, audio and video editing; the art of storytelling, scriptwriting and storyboarding; direction and production of video projects. Students in TV Production I will work towards earning an Industry Certification in Adobe Premiere Pro CC editing software and produce the following major projects: interview, public service announcement and movie scene recreations.

### **TV Production II**

1 credit

Grade 10-12

*Prerequisite: TV Production I & Adobe Premiere Pro CC Cert*

The purpose of this course is to exhibit the ability to apply television skills in the planning, directing and recording of television programs, demonstrate the ability to write script and dialogue for a television program and demonstrate the ability to produce a television program. Students will be introduced to the concept of film-style production and Adobe After Effects, and work towards adding an Adobe Affects industry certification to their resume. *Remove the portion of description of student projects and replace with "TV Production 2 students manage the FTV Morning Show and also begin working on county and state wide film competitions with the following projects: Movie Trailer creations, Public Service Announcements, professional style broadcast packages, and short films."*

### **TV Production III & IV**

*Prerequisite: TV Production 2 / 3*

1 credit

Grade 11-12

The purpose of this course is to introduce responsibility of producing and editing the school's morning show which includes scheduling of stories, editing of stories and creative decision making. TV Production 3 & 4 determine assignments for TV Production 1 & 2.

### **Sports, Entertainment, Recreational Marketing**

1 credit

Grades 9-12

This class introduces students to the components of sport, recreation, and entertainment marketing and sales industry. The content includes employability skills; selling techniques; public relations and publicity; event planning and execution; and licensing, sponsorship, and endorsements.

# ROTC

## Naval Science I

1 credit

Grades 9-12

Materials: The Cadet Field Manual and Introduction to NJROTC. Content: NJROTC Core Values, Operational Risk Management, Personnel Inspections, Physical Fitness, Introduction to Military Drill, First Aid, Orientating and Survival, Citizenship, Foundations of our Government, Naval Ships and Naval Aviation.

## Naval Science II

1 credit

Grades 10-12

*Prerequisite: NS I, teacher approval*

Materials: Maritime History and Nautical Sciences Content: Condensed maritime history of the world and the U.S. maritime geography, oceanography, meteorology and weather, astronomy and physical science.

## Naval Science III

1 credit

Grades 11-12

*Prerequisite: NS II, teacher approval*

Materials: Naval Knowledge and Naval Skills & Orientation Content: Sea power and national security, U.S. Merchant Marine, International law and the sea. Shipboard organization and watch standing. Seamanship: marlinespike, deck, and small boat handling. Nautical rules of the road, navigation and time, maneuvering board. Ship construction and damage control.

## Naval Science IV

1 credit

Grade 12

*Prerequisite: NS III, teacher approval*

Materials: Naval Leadership (readings) and Naval Ethics (cases) Content: Leadership scenes for motion pictures. How to give instruction. Military ethic/situations and case results.





# Fine/Performing Arts

## **Band I**

1 credit

Grades 9-12

Be a part of the finest at Freedom! Join the Marching Patriots. Band I is a continued study opportunity for instrumental students who have had previous middle school experience. The content includes study and performance in marching band, concert band, solo and ensemble. Band I is a course based on individual and group performances and includes after school rehearsals, concerts and festivals.

## **Band II-IV**

1 credit

Grades 10-12

*Prerequisite: Audition, teachers' approval*

Be a part of the finest at Freedom! Join the Marching Patriots. Band II-IV offers continued study for band instrumental students who have completed Band I. The content includes marching band, concert band with moderate to difficult literature, solo and ensemble. Band II-IV is a course based on individual and group performance and includes after school rehearsals, concerts and festivals.

## **Eurhythmics I-IV (Color Guard)**

1 credit

Grades 9-12

Eurhythmics is a course designed to explore the levels of performance that coexist with technique of dance, rifle, sabre and flag. Eurhythmics content includes performing with the schools marching band at football games and competitions as well as guard only performances during the winter and spring times. Eurhythmics I-IV is a course based on individual and group performance and includes after school rehearsals, concerts and festivals.

## **Jazz Band I-IV**

1 credit

Grade 9-12

*Prerequisite: Audition, teachers approval*

Jazz Band is designed for the development of those interested in the study of jazz. The jazz ensemble will rehearse and perform music of various styles including jazz, rock, blues, funk, Latin and other popular idioms. Improvisation and development of solos will be utilized. This course entails required rehearsals & performances during non-school hours. The ensemble typically includes saxophones, trumpets, trombones & fretted instruments.

## **Orchestra I**

1 credit

Grades 9-12

*Prerequisite: Previous middle school orchestra experience*

Step up to high school Orchestra. Orchestra I is for students who have played violin, viola, cello or bass in middle school orchestra or for high school students with previous experience who are taking orchestra for the first time in high school. Concerts feature fun music including classical and lots of themes such as movies, pop, Disney and others that change each year. Orchestra also participates in local field trips. Some after-school rehearsals and concerts are required as well as fees for supplies.

## **Orchestra II-IV**

1 credit

Grades 9-12

*Prerequisite: Orchestra I*

Orchestra II-IV is a continuation of all that was learned in Orchestra I or in the previous year. Experienced orchestra students are given opportunities to challenge themselves musically and help shape orchestra activities for the year. Like Orchestra I, these courses require some after-school rehearsals and concerts as well as fees for supplies.

## **Piano I - IV (keyboarding)**

1 credit

Grades 9-12

Learn to play the piano! Learn to read music! Under your teacher's supervision, you will work at your own pace developing piano skills and learning music theory. You will also have opportunities to perform as your skills improve. Students will provide headphones. Program fee of \$20 which includes adapter and book is required.

## **Guitar I**

1 credit

Grades 9-12

This course is designed for students who have not had previous guitar experience. Students will learn the basics including: chords, note reading and rhythm. Students should play well enough by the end of the year to go on to Guitar II or to continue learning on their own. Students are provided a guitar to use at school, but will need a guitar at home for practice. Annual fee is \$25.

## **Guitar II**

1 credit

Grades 10-12

*Prerequisite: Guitar I or MS guitar class or teacher approval*

This course is a continuation of concepts in Guitar I as well as learning more challenging music and music in which students are interested. Guitar II students will have opportunities to perform and field trips depending on interest. Students are provided a guitar to use at school, but will need a guitar at home for practice. Annual fee is \$25.

## **Advanced Placement Music Theory**

1 credit

Grades 11-12

*Requirements: Must be enrolled in a traditional music class simultaneously.*

Offered on the ODD year.

This course corresponds with typical, introductory college music theory coursework such as musicianship, theory and musical materials/procedures. Musicianship skills, including dictation and listening, sight-singing, harmony is of importance. Students will develop the ability to recognize, understand and describe basic materials and processes of tonal music that are heard or presented in score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts & terminology by listening to and performing a wide variety of music. Notational skills, speed and fluency with basic materials are emphasized.

## **Women's Choir - Chorus I-IV**

1 credit

Grades 9-12

This course is a beginning class for female students. Students in this class will learn basic singing techniques, how to read music and never have to sing alone. Students will sing music ranging from classical to pop. This class is perfect for anyone who wants to learn how to sing but has little to no experience or may be nervous to sing alone or for those who have experience singing in middle school, but not in high school. Solos are optional for those who wish to reach the highest level of musicianship. Occasional after-school rehearsals and concerts are required.

## **Men's Choir - Chorus I-IV**

1 credit

Grades 9-12

This course is a beginning class for male students. Students in this class will learn basic singing techniques, how to read music and never have to sing alone. Students will sing music ranging from classical to pop. This class is perfect for anyone who wants to learn how to sing but has little to no experience or may be nervous to sing alone or for those who have experience singing in middle school, but not in high school. Solos are optional for those who wish to reach the highest level of musicianship. Occasional after-school rehearsals and concerts are required.

## **Vocal Techniques I-IV- (Chamber Choir)**

1 credit

Grades 9-12

*Prerequisite: Audition, teachers' approval*

This course is an intermediate to advanced class for male/female students. Auditions for this class happens in May of each school year. Students will learn more advanced vocal techniques and will learn how to read more challenging music. Vocal Tech is perfect for anyone who is passionate about developing their vocal skills and wishes to excel to the highest level of musicianship. Occasional after-school rehearsals and concerts are required.

## **Vocal Ensemble I-IV- (Bravo Company)**

1 credit

Grades 10-12

*Prerequisite: Audition in spring, Teacher approval*

*Requirements: Must be enrolled in a traditional music class simultaneously.*

This class is an advanced show choir. Auditions for this class happen in May of each school year. Students in this class will learn how to sing in the vocal jazz style. Students also learn and perform choreography. This class is perfect for anyone who is passionate about performing. Students in this class are also required to be in the Chamber Choir. Occasional after-school rehearsals and concerts are required.

## **Musical Theater 1, 2, 3 & 4**

1 credit

Grades 10-12

*Prerequisite: Chorus 1 or Theatre 1*

*Requirements: Audition, teachers approval*

This course is an intermediate chorus class and focuses on singing, acting and dancing techniques in the musical theatre style. Students in this class should be comfortable with performing and should have some experience singing. This class is perfect for anyone who wishes to excel in the three performance areas of singing, acting and dancing. Students are required to participate in the school musical. This class is open to males and females.

## **Theatre I**

1 credit

Grades 9-12

The content of this course includes, but not be limited to, an over- view of the history of the theater and literature of the theater. Students will be introduced to the Fundamentals of theatre production, which include scenery construction, costuming, lighting, and make-up. Students will be introduced to the fundamentals of acting.

## **Theatre II - IV**

1 credit

Grades 10-12

*Prerequisites: Theatre I*

This course provides intermediate development of skills useful to the study and practice of theater arts. The content includes, but not limited to, instructional reading and interpretation of dramatic literature. In addition, students will also study practical application in costume, scenery, lighting and sound design. Students will study make-up techniques, advanced acting techniques and theatrical management. Students will specialize in selected areas of theatre, including play writing, direction, stage design, management, choreography and advanced acting.

## **Technical Theatre**

1 credit

Grades 9-12

Students will be introduced to the fundamentals of the technical side of theatre. Curriculum will include scenery construction, costuming, make-up, lighting, sound set design and properties. Students can advance through 4 levels of technical theatre. This course meets graduation requirement for fine/performing arts.

## **Creating 2-D Art**

1/2 credit

Grades 9-12

This course is an introduction to 2-dimensional art methods such as drawing, painting, color theory, mixed media, pen and ink. Media such as watercolor, acrylic, colored pencil, charcoal and pastel will be introduced. Students will be exposed to the study of Art History from various cultures, as well as contemporary works.

## **2-D Studio Art II**

1 credit

Grades 10-12

*Prerequisite: Creating 2-D Art (2-D Studio Art I not offered)*

Develop & refine technical skills & create 2-D compositions with a variety of media in drawing, painting, printmaking, collage, design. Student artist's sketch, manipulate & refine the structural elements of art to improve mark-making and/or the organizational principles of design in a composition from observation, research, imagination. Through the critique process, students evaluate & respond to their own work & that of their peers. Incorporation of hands-on activities & consumption of art materials.

## **Ceramics and Pottery I**

1 credit

Grades 9-12

Like to get your hands dirty? Create beautiful pieces either sculptural or on the wheel. Learn basic techniques of glazing and firing your creations. Keep your finished pieces as prized possessions.

## **Ceramics and Pottery II**

1 credit

Grades 10-12

*Prerequisite: Ceramics and Pottery*

Would you like to make your own clay artworks in a more advanced classroom setting? Learn more about the potter's wheel and glazing. Space is limited.

## **Creating 3-D Art**

1/2 credit

Grades 9-12

Have you ever wanted to learn how to sculpt a face out of clay or create 3-D designs? Have you ever wanted to create a mask? This class is for the beginning student who would like to learn about ceramics, sculpture and 3-D collage. We will work with clay, plaster and much more.

## **Advanced Placement Studio Art: Drawing**

1 credit

Grades 11-12

*Prerequisites: 2D Studio Art 2 & instructor's approval.*

Directed by the national standards and objectives board, this course adheres closely to the latest college entrance requirements. The student is responsible for artwork, which is high in quality, breadth and concentration. Students will construct a portfolio and take slides as documentation of the required criteria, and work independently according to the requirements and guidelines. Students culminate with 24- 40 slides of original artwork to include in their portfolio.

## **Advanced Placement Studio Art: 2D Design**

1 credit

Grades 11-12

*Prerequisites: 2D Studio Art 2 and instructor's approval.*

This course maintains a focus on design principles and is for the accelerated student who excels in any 2D media. The portfolio includes further studies in a variety of advanced design techniques and conceptual development. There will be a three-part portfolio developed for College Board review with the potential for college credit.

## **Advanced Placement Studio Art: 3D Design**

1 credit

Grades 11-12

*Prerequisites: Ceramics and instructor's approval.*

If you enjoy sculpting, this course is for you. Work like a professional artist on your own series. Each student is responsible for making original artwork which is made in a series of 12-15 sculptures. This series must show experimentation and growth as well as synthesis between concept, materials and process. Students will construct a portfolio and take photos as documentation of the required criteria, and work independently according to the requirements and guidelines. Students culminate with at least 2 images of each of 20 works of original artwork to include in their portfolio. Directed by the national standards and objectives board, this course adheres closely to the latest college entrance requirements.

## **Digital Art Imaging I**

1 credit

Grades 9-12

Students explore the fundamental concepts, terminology, techniques and applications of digital imaging to create original work. Students produce digital still images through the single or combined use of computers, digital cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. All digital camera equipment is included for all students to use and no personal equipment is needed for the course. **Adobe Certification opportunities will be given in both Adobe Illustrator and Adobe Photoshop throughout the year.**

## Digital Art Imaging II / III

1 credit

Grades 10 - 12

*Prerequisite: Dig Img II (Dig Img 1) / Dig Img III (Dig Img 2)*

This course gives students an advanced level of understanding of photographic imagery. Students should want to enhance their knowledge, technical ability and skills in advanced digital photography and software. All digital camera equipment is included for all students to use and no personal equipment is needed for the course. **Adobe Certification opportunities will be given in both Adobe Illustrator and Adobe Photoshop throughout the year.**

## Creative Photography I

1 credit

Grades 9-12

Students explore the aesthetic foundations of art using beginning photography techniques. This course will include, color, black and white along with photographic manipulation via digital media. Students become familiar with the basic mechanics of a camera, including lens and shutter operation, compositional foundations, printing an image for display, and evaluating a successful print. Student photographers may use a variety of media and materials, such as single lens reflex camera, backdrops, flash equipment along with computer software such as Adobe Lightroom and Photoshop. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials. All digital camera equipment is included for all students to use and no personal equipment is needed for the course. **Adobe Certification opportunities will be given in Adobe Photoshop throughout the year.**

## Creative Photography II

1 credit

Grades 10-12

Students experiment with a variety of photographic media and techniques, and make connections with historical and contemporary photographers to develop a focused body of work. This course may include, but is not limited to, researching the history of photography, making connections to contemporary and community photographers, critiquing with varied techniques, and experimenting with a variety of photographic media. Processes and techniques include, but are not limited to, handcrafted pinhole cameras, hand-tinted photographs, mixed media, cyanotypes, medium format, photo collage, cross-processing, creative filters, infrared and slide film, night photography, macro, panoramic, and/or digital output via a variety of media. Craftsmanship and quality are reflected in the surface of the prints, care of the materials, attention to compositional conventions, and expression of ideas and feelings. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials. All digital camera equipment is included for all students to use and no personal equipment is needed for the course.

## Advanced Placement Art History

1 credit

Grades 11-12

Offered on the EVEN year.

In this class, you will learn about the world through the eyes of the artists who designed, decorated and recorded it. You will take a trip back in time to the world of Egyptian Pharaohs, Renaissance geniuses and modern innovators. You will cover 25,000 years and view over 1200 amazing works of art (with emphasis on 250 images) in an interactive (not lecture-based) classroom environment. It won't be the easiest class you will take, but it just may be the most rewarding.



# Physical Education

**Volleyball I & II** (this course is a year course)  
1/2 credit Grades 9- 12

Designed to improve your volleyball skills for whatever reason you choose! You can be a great beach player, tryout for teams, or simply have fun. Proper techniques will be taught. Two, three, four, and six man tournaments will be played, but most of all we have fun. Competition at all levels.

**Basketball I & II** (this course is a year course)  
1 credit Grades 9-12

*Prerequisite: BB 2 must have completed BB 1.*  
Hoop-There it is! Do you dribble too much? Do you shatter backboards with your shots? We have the course for you! Learn and enjoy the game of basketball through tournaments, and contests as well as individual and team competition. (Includes 1 on 1, 3 on 3, and 5 on 5 games)

**Weight Training I & II**  
1/2 credit Grades 10-12

*Prerequisite: Wgt Trng 2 must have completed Wgt Trng 1*  
A body is a terrible thing to waste! Take your body to the next level! Provides students the opportunities to acquire basic knowledge and skills in weight training that may be used in physical fitness and athletic pursuits, improve strength and endurance, and enhance body image.

**Weight Training III**  
1/2 credit Grades 10- 12

*Prerequisite: Weight Trng 1 & 2*  
Opportunities for students to further extend the acquisition of knowledge and development of skills in weight training that may be used in physical fitness pursuits, improve muscular strength and endurance, and enhance body image.

**Power Weight Training**  
1/2 credit Grades 9-12

*Prerequisites: Weight Training 1, 2 & 3 or instructor approval.*

The purpose of this course is to enable students to acquire basic knowledge and skills in power weight training and to maintain or improve health-related fitness. Appropriate instructional practices and assessments are used to elicit evidence of student understanding and proficiency of course specific benchmarks related to **Cognitive Ability, Movement Competency, Lifetime Fitness, and Responsible Behavior and Values**

Topics include but are not limited to:

- Safety Practices
- Terminology
- Musculoskeletal System
- Muscular Strength and Endurance
- Biomechanical and Physiological Principles
- Theories, Concepts and Skills
- Weight Training Programs
- Implementation & Eval. of a Personal Wght Trng Program
- Weight Training Activities for Fitness

## Soccer – Sem 1

1 credit

Grades 9-12

Learn or improve your soccer skills. We'll have competitions from 1v1 to 2v2. Class will include work on tactics as well as techniques and will include indoor and outdoor soccer. Take your game to the next level!

## Team Sports I – Sem 2

Grades 9- 12

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course.

**This course is taken as one block.**

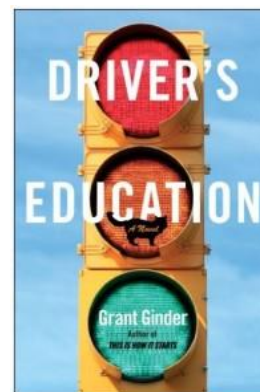
## Driver's Education

1/2 credit

Grades 10-12

*Prerequisites: Must be 15 years of age or older and must have a valid learner permit by the 10th day of class. NO EXCEPTIONS! There is a \$40 fee for this class. 2.0 gpa*

The purpose of Driver Education is to introduce students to the transportation system and to strategies, which will develop driving knowledge, and skills related to today's and tomorrow's motorized society. This course also will provide an in-depth study of the scope and nature of accident problems and their solutions. Students must pass a drug and alcohol written test.



## Health Opportunities through Physical Education (HOPE)

1 credit

Grades 9 -12

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. This will meet the graduation requirement for Physical Education with the integration of health topics **Students are able to exempt HOPE when they take either two years of ROTC or play two years of any sport. You must notify your counselor if you plan to waive the HOPE course.**

# World Languages

## Spanish I

1 credit

Grades 9-12

Students will be introduced to the Spanish language and its culture. The students will also learn to develop communicative skills and cross-cultural understanding. The content includes listening activities in Spanish and students are expected to speak, read and write in Spanish. It is strongly recommended that students have a solid background in English grammar.

## Spanish II

1 credit

Grades 9-12

*Prerequisite: C in Spanish I*

Students will reinforce the fundamental skills previously acquired. Reading, writing, listening and speaking skills will continue to be developed while adding more complex grammatical structures. This course will also continue the cultural survey of Spanish-speaking people through readings, video, individual and group projects.

## Spanish II & III Honors for Native Speakers

1 credit

Grades 9-12

*Prerequisite: none (Sp 1 Native is not offered)*

These courses are specially designed for students who are fluent in Spanish (reading, writing and speaking) as their native language. In addition to the topics included in Spanish II & III, students will benefit from targeted instruction in reading and writing. Specifically, emphasis will be placed on reading strategies, vocabulary development, and problems of grammar and orthography.

## Spanish III Honors

1 credit

Grades 9-12

*Prerequisite: C in Spanish II*

Students will learn to master and expand the skills previously acquired. The content includes expansions of vocabulary and conversational skills through discussions based on selected readings. Student's acquisitions of grammatical concepts should stress activities which are important to the everyday lives of Spanish-speaking people.

## Spanish IV Honors

1 credit

Grades 10-12

*Prerequisite: A or B in Spanish III*

Students will continue the study of the Spanish language and Spanish-speaking countries. The class is conducted in Spanish and students are immersed in the target language. Informative presentations, skits and projects are presented by students on a frequent basis.

## Advanced Placement Spanish Language

1 credit

Grades 11-12

*Prerequisite: Spanish Speakers III or Spanish IV w/ teacher recommendation*

Students will develop oral and written fluency in the language. The content includes materials determined by the Advanced Placement program guidelines. Advanced Placement Spanish Language is combined with Spanish IV and V. Students will take the AP examination in the spring. Guidelines established by the College Board will be followed.

## Advanced Placement Spanish Literature/Culture

1 credit

Grades 11-12

*Prerequisite: Spanish Speakers III or Spanish IV w/ teacher recommendation*

This 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. The course provides opportunities for students to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities).

## French I

1 credit

Grades 9-12

Students will be introduced to the French Language and its culture and will develop communicative skills and cross-cultural understanding.



The content includes beginning skills in listening and speaking with special attention to pronunciation. There will be an introduction to reading and writing and the fundamentals of grammar and culture.

## French II

1 credit

Grades 9-12

*Prerequisite: C in French I*

Students will reinforce the fundamental skills previously acquired. This course develops increased listening, speaking, reading, and writing skills, and cultural awareness. 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 Honors**

1 credit

Grades 9-12

*Prerequisite: French II, teacher recommendation*

Students will learn to master and expand the skills previously acquired. The content should include expansions of vocabulary and conversational skills through discussions based on selected readings. Student's acquisitions of grammatical concepts should stress activities which are important to the everyday lives of French-speaking people.

### **French IV Honors**

1 credit

Grades 10-12

*Prerequisite: French III, teacher recommendation*

Students will expand the skills previously acquired. The content includes more advance language structures and idiomatic expressions, with emphasis on conversational skills. There will be additional growth in vocabulary for practical purposes, including writing. Reading is varied and frequent.

### **French V Honors**

1 credit

Grade 12

*Prerequisite: French IV, teacher recommendation*

Students will develop advanced oral and written fluency in the language.



# New Tampa **DIGITAL** ACADEMY



at Liberty Middle and Freedom High

Become an **expert** in the **digital**  
**career** that interests **you!**

## What is New Tampa Digital Academy?

New Tampa Digital Academy at Liberty Middle and Freedom High aims to provide students the **edge** necessary to be successful in a **digital-related career**. We offer a **wider variety** of digital and tech *courses*—and *have more digital and tech teachers*—than our neighboring traditional and charter schools. Our students can earn a variety of **Industry Certifications** ranging from Web Design to Adobe Animate! New Tampa Digital Academy's unique **7-year overarching philosophy** starts in sixth grade and continues throughout their senior year of high school.

### New Tampa Digital Academy's Areas of Concentration:

\*3D ANIMATION

\*GAME DESIGN

\*WEB DESIGN

Apply October 25-December 31 at [HillsboroughSchools.org/choice](https://HillsboroughSchools.org/choice)



Code.org



**Adobe**



Applicants will be selected by random drawing based on available school enrollment.





## Frequently Asked Questions



*at Liberty Middle and Freedom High*

**Liberty Middle and Freedom High are now home to New Tampa Digital Academy. What does that mean?**  
Our school district recognizes the incredible successes the digital and tech students have achieved at Liberty Middle and Freedom High. In an effort to expand access to specialty programs, our district believes our schools in the New Tampa area will generate the interest and demand necessary to deliver a high quality digital and tech related academy Liberty Middle and Freedom High.

We offer a wider variety of digital and tech courses—and have more digital and tech teachers—than our neighboring traditional and charter schools. Our 7-year overarching philosophy allows students to focus on an area of concentration that interests them the most.

### **Who needs to apply to be accepted into New Tampa Digital Academy?**

Students from outside the Liberty Middle and Freedom High attendance boundary will be accepted by lottery selection from among all applicants based on our district's Choice lottery procedures. Every student at Liberty Middle and Freedom High will be able to take courses within the New Tampa Digital Academy.

### **My child is currently zoned to attend Liberty Middle/Freedom High in 2020-2021. Do I still need to apply?**

No. Students who are within the Liberty Middle and Freedom High attendance boundary do not need to apply for this academy. Be sure to tell your guidance counselor which area of concentration you would like to study within the academy as you are registering for courses at Liberty Middle and Freedom High.

### **How do I apply to be in New Tampa Digital Academy?**

The application process for New Tampa Digital Academy is completed through our district's Choice program at [HillsboroughSchools.org/choice](https://www.hillsboroughschools.org/choice). The application period opens October 25, 2019 at 5 p.m. The deadline for applications is December 31, 2019. All applications are processed after the December 31 deadline, so the date of your application does not affect your chance of being selected—submitting an application in October is the same as submitting in December.

### **When will I find out if my child got accepted into Liberty Middle or Freedom High?**

School Choice applications are due by December 31, 2019. Families will be notified if their student has been accepted to Liberty Middle or Freedom High by the middle of February.

### **Will school bus transportation be available?**

Magnet bus transportation will **NOT** be available for New Tampa Digital Academy students. Local bus transportation will be provided only for students who live within the Liberty Middle and Freedom High attendance boundary and are eligible for transportation under Florida law and school district policy.

### **What are Industry Certifications? Why are they important?**

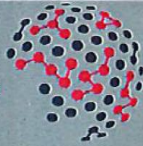
Industry certifications are an important component of Career and Technical Education Programs of Study as demonstrated evidence of technical skill attainment. Students who earn a certification have a competitive edge upon graduation and become more marketable in their career. Research indicates students who attain industry certifications earn more money over the course of their careers than those lacking industry recognized certifications. In addition, success in specified Industry Certifications can earn articulated credit to community colleges and students earning industry certifications will receive the "merit" diploma designation. Industry Certifications count towards the acceleration component of the overall school grade.

### **Will my child be guaranteed admission New Tampa Digital Academy if he or she attends Liberty Middle or Freedom High?**

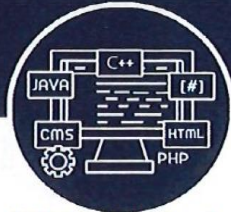
All students enrolled at Liberty Middle or Freedom High will be able to take courses within the New Tampa Digital Academy. Advanced courses will have prerequisite requirements. In effort to keep the integrity of each program, course offerings are limited based on class size and teacher course schedules.

***New Tampa Digital Academy at Liberty Middle and Freedom High***

New Tampa  
**DIGITAL**  
ACADEMY  
at Liberty Middle and Freedom High



Game Design



Web Development



Animation



Entrepreneurship



App Development

New Tampa Digital Academy offers students a **variety of tech and digital courses** not found at neighboring traditional or charter schools! Our courses are designed to **prepare students for a career** in the tech and digital workforce. Students can select an **area of concentration that interests them most** or select from our wide range of courses. From video game design to creating objects on a 3D printer, there is **something for everyone!** At program completion, students will earn a **special designation on their diploma** and graduate with a Digital Academy cord!

### Industry Certifications Offered

Microsoft Office Specialist †  
Microsoft Word  
Microsoft PowerPoint  
Microsoft Excel  
Microsoft Outlook

Microsoft Technology Associate ∞  
Windows Operating System  
Python  
JavaScript  
HTML & CSS  
Java

Adobe §  
Adobe InDesign  
Adobe Illustrator  
Adobe Photoshop  
Adobe Dreamweaver  
Adobe Animate  
Adobe Premiere Pro  
Adobe After Effects

ICT Essentials ¥  
Communications  
Cybersecurity  
Gaming  
Database  
Multimedia  
Spreadsheet  
Web Design  
Word Processing

Symbols indicate certification correlation found on reverse side.

### Digital Academy Clubs/Organizations



#### Future Business Leaders of America

Future Business Leaders of America is a **co-curricular club** offered at Liberty Middle and Freedom High. **FBLA prepares students to become business leaders in a global society** through relevant career preparation and leadership experiences.



#### E-sports

E-sports is a **competitive gaming club sport** offered at Freedom High. We compete in Super Smash Bros. Ultimate on the Nintendo Switch. Our **district competitions** include schools from all over Hillsborough County. Future competitions will include Rocket League.

What will you create?



Option 1: Students select an area of concentration that interests them.

| Game Design |                                  | 3D Animation |                                  | Web Design |  |
|-------------|----------------------------------|--------------|----------------------------------|------------|--|
| 6th         | Entry Coding & Programming       | 6th          | Entry Coding & Programming       | 6th        | Entry Coding & Programming                                       |
| 7th         | Digital Information Technology † | 7th          | Digital Information Technology † | 7th        | Digital Information Technology †                                 |
| 8th         | Game Design Foundations ‡        | 8th          | Game Design Foundations ‡        | 8th        | Game Design Foundations ‡  |
| 9th         | Gaming 2                         | 9th          | Digital Media Fundamentals       | 9th        | Digital Media Fundamentals                                       |
| 10th        | AP Computer Science Principles   | 10th         | 3D Animation 1                   | 10th       | Web Foundations  |
| 11th        | Gaming 3<br>3D Animation 1       | 11th         | 3D Animation 2<br>Gaming 2       | 11th       | AP Computer Science Principles<br>Principles of Entrepreneurship |
| 12th        | Gaming 4                         | 12th         | AP Computer Science Principles   | 12th       | Web Scripting  |

Option 2: Students create their own experience by selecting courses from the list below.

## Additional Courses Offered

- 3D Animation 1 & 2\* §
- AP Computer Science Principles § ∞
- Digital Information Technology †
- Digital Media Fundamentals §
- Principles of Entrepreneurship §
- Game Design Foundations §
- Gaming 2\* - 4\* ∞
- Web Foundations §
- Web Scripting ∞
- TV Production 1-4\* §
- Journalism §
- Newspaper §
- Yearbook §

*\*Pre-Requisites Apply*

New Tampa Digital Academy students must be registered in at least one tech or digital course per year. With instructor approval, students will be permitted to enroll in more than one class at a time.

## Administration

|  |                        |
|--|------------------------|
| Principal                                  | Kevin Stephenson       |
| Asst. Principal <i>for</i> Curriculum      | Matthew Smith          |
| Asst. Principal <i>for</i> Administration  | Thomas Duncan          |
| Asst. Principal <i>for</i> Student Affairs | Jenna Lamour (Lod - Z) |
| Asst. Principal <i>for</i> Student Affairs | Tessa Ward (A - Loc)   |

## Guidance

|                       |                                  |
|-----------------------|----------------------------------|
| Dept. Chair/Counselor | Dr. Aaron Hale (A - Dem)         |
| Counselor             | Natalie Foley (Den - Fan)        |
| Counselor             | Georgette Smith (Fao - Loe)      |
| Counselor             | Carol WalkerMagwood (Lof - Riva) |
| Counselor             | Edward Ramos (Rive – Z)          |

|                     |                |
|---------------------|----------------|
| School Psychologist | Claudia Long   |
| Social Worker       | Kerry Heideman |
| ESE Specialist      | Richard Simard |

|                             |               |
|-----------------------------|---------------|
| Success Coach               | Jessica Moran |
| Reading Coach               | Lisa Reale    |
| Intervention Coach          | Debbie Grimm  |
| School Resource Officer TPD | Ryan O’Neal   |

## Academic Department Chairs

|                        |                   |
|------------------------|-------------------|
| Career Tech/Business   | Brian Nanns       |
| English                | Megan Lewandowski |
| Arts & World Languages | Jennifer Simard   |
| Mathematics            | John Olewski      |
| Physical Education     | Chris Biernacki   |
| Science                | Lonna Hernandez   |
| Exceptional Student Ed | Joy Bogert        |
| Social Studies         | Brandon Austin    |



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