PATRICK F. TAYLOR SCIENCE & TECHNOLOGY ACADEMY

HIGH SCHOOL SCHEDULING HANDBOOK

PATRICK F. TAYLOR SCIENCE & TECHNOLOGY ACADEMY

701 CHURCHILL PARKWAY · AVONDALE, LA 70094

PHONE: 504-838-2249 · FAX: 504-436-0257

WEBSITE: WWW.JPSCHOOLS.ORG/PFTSTA

Shawn Rome, Principal	shawn.rome@jpschools.org
Kylie Miller, Assistant Principal	kylie.miller@jpschools.org
Joshua Russell, Assistant Principal	joshua.russell@jpschools.org
Christopher Russell, Dean of Students	christopher.russell@jpschools.org
Nikki Hughes, High School Counselor	nikki.hughes@jpschools.org
Katie Noto, High School Counselor	katie.noto@jpschools.org
Laura Grenda, High School Social Worker	laura.grenda@jpschools.org
Destiny John, Middle School Social Worker	destiny.john@jpschools.org

Mission Statement

The mission of Patrick F. Taylor Science & Technology Academy is to provide a rigorous learning environment that assures college-readiness, while fostering leadership and encouraging community involvement for all students.

High School Vision

Our vision is to be a top 10 nationally ranked high school where students take ownership of the school culture by demonstrating resilience in an accelerated curriculum, which will ensure success for all students. Our students will have an influential impact as leaders at their institutions of higher learning and in the global community.

Middle School Vision

Our vision is to be a middle school whose students accept responsibility as full participants in the school culture to ensure individual and collective success in our advanced STEAM curriculum in order to prepare all students for our accelerated high school.

GRADUATION REQUIREMENTS

For High School graduates of 2018 and thereafter. This includes the 19 Units required for the TOPS Core Curriculum for the Opportunity, Performance, and Honors Awards

*****There may be other courses that meet the requirements. This list is based on the courses typically taken by PFTSTA students.*****

ENGLISH – 4 Units	
1 unit	English I
1 unit	English II
1 unit from the following:	English III, AP English Language Arts and Composition, CENL 1013 English Composition I, CENL 1023 English Composition II, CENL 2153 American Literature I, CENL 2163 American Literature II, or CENL 2177 Major American Writers
1 unit from the following:	English IV, CENL 1013 English Composition I, CENL 1023 English Composition II, CENL 2103 British Literature I, CENL 2113 British Literature II, CENL 2203 World Literature I, CENL 2213 World Literature II, CENL 2303 Introduction to Fiction,or CENL 2313 Introduction to Poetry & Drama Note: You cannot use CENL 1013 or CENL 1023 for your 4th English credit if you used the course for your 3rd English credit.

MATH – 4 Units	
1 unit	Algebra I
1 unit	Geometry
1 unit	Algebra II
1 unit from the following:	Advanced Math Functions & Statistics, Advanced Math Pre-Calculus, AP Calculus AB, AP Statistics, CMAT 1213 College Algebra, CMAT 1223 Trigonometry, CMAT 1303 Probability & Statistics, CMAT 2103 Applied Calculus, CMAT 2113-5, or CMAT 2123-5

SCIENCE – 4 Units	
1 unit	Biology
1 unit	Chemistry
2 units from the following: The 2 units cannot be in the same group.	**Group 1:** AP Biology, CBIO 1013 General Biology I, CBIO 1033 Gen Bio I – Science Majors, CBIO 1023 General Biology II, CBIO 1043 Gen Bio II – Science Majors, CBIO 2213 Human Anatomy & Physiology I, or CBIO 2223 Human Anatomy & Physiology II **Group 2:** AP Chemistry, CCEM 1013 General Chemistry Survey I, CCEM 1103 Chemistry I, CCEM 1123 Chemistry I – Science Majors, CCEM 1113 Chemistry II, or CCEM 1133 Chemistry II – Science Majors **Group 3:** Earth Science, CGEO 1103 Physical Geology, or CGEO 1113 Historical Geology **Group 4:** Environmental Science or CEVS 1103 Environmental Science **Group 5**: AP Environmental Science **Group 6:** Physical Science, or CPHY 1023 Physical Science I **Group 7:** Physics, AP Physics 1: Algebra Based **Group 8:** AP Physics 2: Algebra Based, CPHY 2113 Physics I - Algebra/Trig Based, CPHY 2114 Physics I (Lecture and Lab), or CPHY 2133 Physics I (Calculus Based)

SOCIAL STUDIES – 4 Units	
1 unit	US History, AP US History, CHIS 2013 American History I, or CHIS 2023 American History II
1 unit	Civics
2 units from the following: The 2 units cannot be in the same group	**Group 1:** AP European History, CHIS Western Civilization I, or CHIS 1023 Western Civilization II **Group 2:** World Geography, AP Human Geography, CGRG 2113 World Regional Geography, or DGRC 2213 Physical Geography **Group 3:** World History, CHIS 1113 World Civilization I, or CHIS 1123 World Civilization II **Group 4:** CECN 2113 Economic Principles, CECN 2213 Macroeconomics, or CECN 2223 Microeconomics **Group 5:** AP Psychology or CPSY 2013 Intro to Psychology **Group 6:** African-American History or CHIS 2103 African American History

FOREIGN LANGUAGE - 2 Units	
	Spanish I & Spanish II
ART - 1 Unit	
1 unit from the following:	Art, Fine Arts Survey, Band, CMAD Drafting, Engineering Design & Development, Talented Art I - IV, Talented Music I - IV, Talented Theatre I -IV, CART 2103 Art History I, or CTHE 1013 Introduction to Theatre
HEALTH/PHYSICAL EDUCATION - 2 Units	
1 unit	Physical Education I
1 unit	½ unit Health & ½ unit Physical Education II or JROTC II
ELECTIVES - 3 Units	
	Every course offered at PFTSTA can count as an elective credit if it is not being used as one of the required units.

Please see the TOPS University (College Diploma) Course Requirements for weighting information for your TOPS GPA on the Louisiana Department of Education website.

Required State Testing

In order to meet the graduation requirements, students must pass the LEAP 2025 High School Assessments in the following subjects: English I, English II, Algebra I, Geometry, Biology, and US History. Students entering 9th grade in the 2024-2025 school year will be required to take the LEAP 2025 in Civics instead of US History.

Louisiana's Financial Aid Access Policy

In order to meet the Louisiana Financial Aid Policy, seniors must complete one of the following:

- Submit a FAFSA application
- Submit an opt-out non-participation form

Louisiana Workforce Commission Consent Form

Act 567 of Louisiana's 2022 Regular Legislative Session requires a district to share a student's data for the sole purpose of evaluating state and federal programs that prepare students for postsecondary education, workforce training, and employment. Therefore, seniors must have a Louisiana Workforce Commission consent form on file.

TOPS

The Taylor Opportunity Program for Students (TOPS) is a program of state merit-based scholarships for Louisiana residents who attend either one of the Louisiana Public Colleges and Universities, schools that are a part of the Louisiana Community and Technical College System, Louisiana approved Proprietary and Cosmetology Schools or institutions that are a part of the Louisiana Association of Independent Colleges and Universities.

TOPS Eligibility

To qualify for TOPS, a student must:

- Be a US citizen or permanent resident.
- Meet TOPS Louisiana residency requirements.
- Complete all required units on the TOPS or TOPS Tech core curricula.
- Meet minimum Core GPA requirements (by award level) upon high school graduation.
- Meet minimum ACT composite score requirements (by award level).

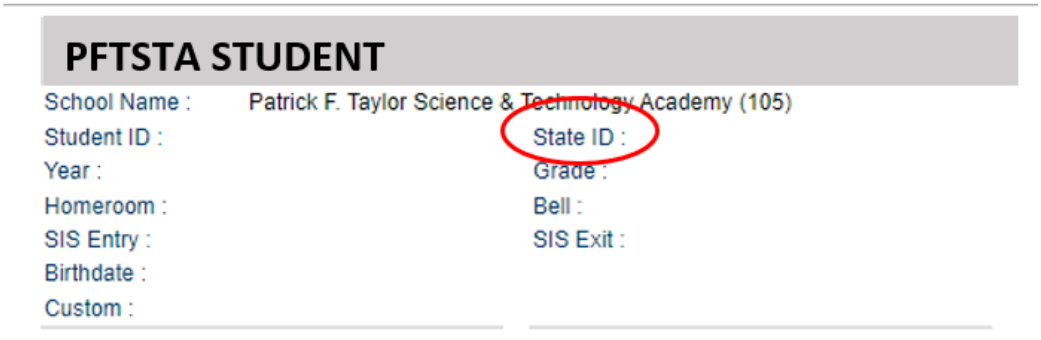
For the most up-to-date Core GPA and ACT Composite score requirements, visit the Louisiana Office of Student Financial Assistance (LOSFA) website at https://mylosfa.la.gov/ or call 1-800-259-5626.

LOSFA Student Hub Account

The Student Hub is an online system to help students and parents track TOPS status while in high school and throughout the student's college career. High school students can track TOPS core curriculum requirements, TOPS GPA requirements and ACT scores while in high school. After high school graduation, students can track TOPS award eligibility, TOPS status, and receive their award letter FIRST via their Student Hub account. Once in college, all information relating to TOPS continuing eligibility and TOPS postsecondary GPA will be delivered via the Student Hub account.

DO NOT USE YOUR SCHOOL ISSUED EMAIL ADDRESS TO SET UP YOUR ACCOUNT.

In order to set up an account, you will need to use your LASecureID. Your LASecureID is the State ID number listed in Student Progress Center.



Types of Courses Offered

Advanced Placement Courses (AP)
AP courses provide students access to rigorous college-level work and the opportunity to earn college credit while still in a supportive high school environment. There are many benefits to challenging yourself in an AP course. AP courses are a way to set yourself apart in the college admissions process, save money by reducing the number of college courses, and enhance skills that will ensure collegiate success. Students can earn college credit by scoring a three or higher on AP exams. For more information, please visit https://apstudents.collegeboard.org/
Please check with individual colleges for credit information.

Career & Technical Education (CTE)
Career & Technical Education courses are aligned to high-wage, in-demand, and high-skill occupations. Students at Taylor will take Engineering Design & Development and be given the opportunity to earn a valuable Industry Based Credential (IBC) in each course.

Cuillier Career Center gives students the opportunity to explore a career or learn skills that could get them a high wage job right out of high school. TOPS University and TOPS Tech students have the opportunity to earn Advanced and Basic Industry Based Certifications. Cuillier offers courses in the following areas: Automotive Collision Repair, Automotive Technology, Barbering, Carpentry, Computer Technology, Cosmetology, Dental Assistant, Graphic Arts, Machining Technology, Medical Assistant, and Welding. Please visit the Cuillier Career Center website for more information. Transportation is provided.

Dual Enrollment (DE)
Dual enrollment provides students in grades 11 and 12 with the opportunity to take college courses while still enrolled in high school. A dual enrollment student receives credit on both their high school and college transcripts for the same course. Students must meet the eligibility requirements as outlined by the Louisiana Board of Regents to enroll in dual enrollment courses.

There are two types of dual enrollment courses:

- On-campus courses are taught by Taylor faculty on Taylor's campus. We are partnered with LSU and Southeastern for all on-campus courses. For these courses, the university policies are followed. For example, this means that the Jefferson Parish retesting policy is no longer applicable. For additional information, please reach out to the on-campus instructor for the course. If a student withdraws from an on-campus DE course then they will be added to a non-DE section and will be responsible for reimbursing the school the full amount of their course.

- For off-campus courses, students are able to take courses with the institution of their choosing, as all off-campus courses (excluding Fast Forward) must be paid for by the student. In order to participate in off-campus dual enrollment, students are required to leave Taylor's campus once classes on Taylor's campus are over or they are eligible for disciplinary action. As a reminder, all courses required for graduation must be taken on Taylor's campus. Students may return to campus after school to participate in extracurricular activities.
- In order for an off-campus dual enrollment course to be reflected on a student's Patrick Taylor transcript, students must submit a copy of their schedule (beginning of semester) and unofficial transcript (end of semester). Otherwise their schedule will only state "Early Release."

IMPORTANT

For a course to be transcribed on the Taylor transcript and schedule, the course must be at least three credit hours. This means that a lab does not count. For example, if you have DE 7 and DE 8 on your schedule and you are only enrolled in Bio 101 and Bio 101 Lab, according to your Taylor GPA, schedule, transcript you are only taking one course. The second DE would turn into Early Release which will drop your GPA. This is especially important if you are in the running for valedictorian your junior and senior years.

Honors

All core courses are honors courses at Patrick Taylor. All students have the option of selecting Advanced Placement (AP) or dual enrollment (DE) courses provided they meet the requirements.

Gifted

Students identified as gifted will be enrolled in the sections designated as gifted whenever available. Students must have a current IEP in order to participate in gifted courses. Should you feel as though your child may qualify for gifted services, please email Ms. K. Miller (kylie.miller@jpschools.org) to inquire about the steps necessary to receive gifted services.

Talented

Students identified as talented will be enrolled in the sections designated as talented whenever available. Students must have a current IEP in order to participate in talented courses. Should you feel as though your child may qualify for talented services, please email Ms. K. Miller (kylie.miller@jpschools.org) to inquire about the steps necessary to receive services. Students can be talented in the following areas: art, music (instrumental and/or vocal), and theatre.

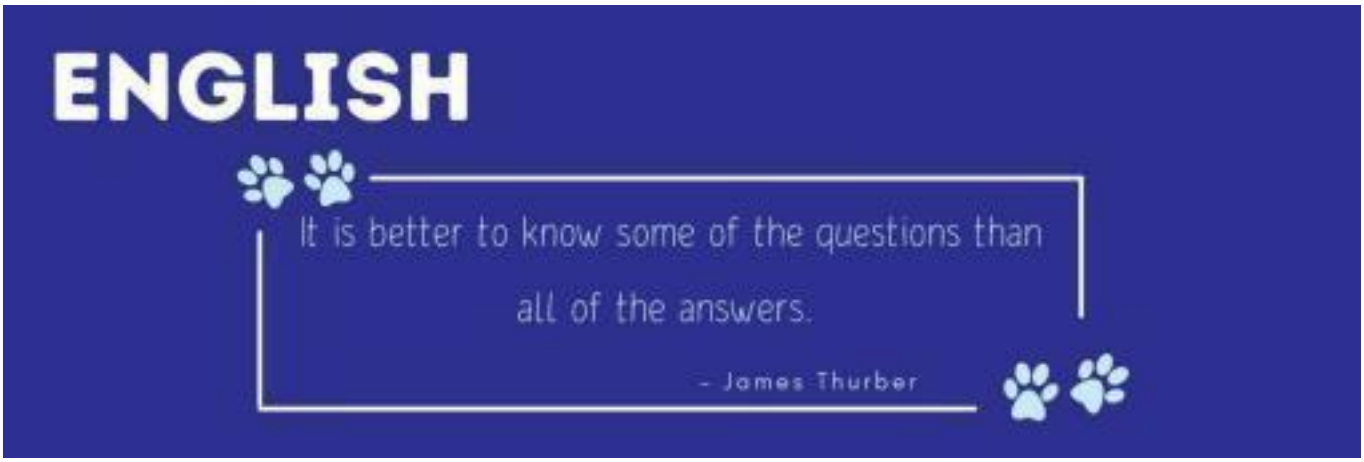
Early Release

Students in grade 12 can choose to have Early Release in the afternoon if they have met all of the following criteria:

- Passed all required LEAP 2025 assessments
- 3 or higher on an AP exam or 50 or higher on a CLEP test or earned an Advanced IBC
- ACT Composite of 27

Students should be aware that enrolling in Early Release will impact your GPA and class rank. Choosing to enroll in Early Release means that you will not have 8 credits transcribed onto your transcript and there is no grade earned for Early Release.

COURSE DESCRIPTIONS



English I Honors

English I is a full-year comprehensive course based on the Louisiana State Standards, focusing on a study of literature, composition, and language. The literature component of the course encompasses reading, comprehending, and responding to various genres, short stories, poetry, novels, non-fiction, and drama. The writing component of the course emphasizes the writing process/craft to develop narrative, research-based, and literary analysis writing. The language component of the course integrates grammar, usage, mechanics, and spelling in context of composition and literature, with a heavy emphasis on ACT preparation.

Grade: 8 Duration: Full Year

English II Honors

The course offers a study of literature, composition, and language. The literature component encompasses reading, comprehending, and responding to various short stories, poetry, novels, nonfiction, and drama. The composition component of the course emphasizes the writing process and developing various modes of writing for different purposes and audiences. The language component of the course integrates grammar, usage and mechanics with reading and writing. In addition to considering a work's literary merit, students examine the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide meaning for their audience. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Oral communication in the form of seminars and presentations serve as another means of demonstrating clarity of thinking and ability to organize ideas. As they do in all high school level English courses, students hone skills tested by standardized tests including LEAP, SAT, ACT, and Advanced Placement courses.

Grade: 9 Duration: One Semester

English III Honors

This course is a one-semester study of American Literature. Students read extensively in American Literature with works from Colonial America in the 1600s through contemporary literature drawing from novels, plays, poetry, and nonfiction works. English III focuses on interpreting works of literature through close reading, critical thinking, and writing. Additionally, students develop oral communication skills through extensive discussion based on readings. Writing assignments vary in form and purpose, including Advanced Placement-style literary analysis essays. Students also prepare for the CLEP examination. This course covers material at a rigorous pace and requires daily outside reading and other assignments.

Grade: 10 Duration: One Semester

English IV Honors

This course offers an examination of British and world literature through reading short stories, novels, drama, poetry, and essays. Students respond orally and in writing to the literature through literary, political, and cultural analysis. In English IV, students exercise their critical thinking and research skills through assignments ranging from research-based papers to college essays. Additionally, students will master the writing process and develop more fluid writing, working with sentence variety and precise word choice. Special emphasis is placed on grammar, usage, punctuation, and reading comprehension in relation to the PSAT, ACT, and Advanced Placement tests. Students should expect nightly outside reading and writing assignments. Students cannot register for both, English IV Honors and English IV - DE Introduction to Fiction.

Grade: 11 Duration: One Semester

English IV - DE Introduction To Fiction (CENL 2303)

This course examines narrative fiction through a variety of critical lenses. Students will read at least ten short stories, 2-3 novels, and 5+ pieces of literary theory. They will write 2-3 major essays incorporating scholarly sources along with smaller writing assignments such as summary exercises, speculative instruments like dialogue among characters from two different novels, and collaborative exercises. They will also complete a midterm and final exam. Students must meet the Board of Regents eligibility requirements as well as the LSU requirements of a minimum ACT English score of 26 and a minimum English + Composite score of 53. PRIORITY WILL BE GIVEN TO STUDENTS NEEDING AN ENGLISH IV CREDIT. Students cannot register for both, English IV Honors and English IV - DE Introduction to Fiction.

Grade: 11 & 12 Duration: One Semester

AP English Language And Composition

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics such as rhetorical situations, claims and evidence, reasoning and organization, and style. The goal of this course is to enable students to read a variety of complex texts with a structured approach and to write prose of sufficient complexity to communicate effectively with mature readers. An AP English Language and Composition engages students as skilled readers of

prose written in a variety of rhetorical contexts. In their writing, students will consider how genre conventions, audience expectations and the resources of language contribute to effective writing. Most college composition courses emphasize the expository, analytical and argumentative writing that forms the basis of academic and professional writing. While methods of instruction vary from course to course, the council of writing program administrators has identified the following as characteristics of effective academic writing:

- Logical organization, enhanced by specific techniques to increase coherence, such as emphasis, transition and repetition.
- A balance of generalization and specific illustrative detail
- An effective use of rhetoric, including controlling tone, establishing and maintaining voice, and achieving appropriate emphasis through diction and sentence structure.

In addition to the writing component of the course, students will develop skills in public speaking and debate. This course fulfills the requirement for English III to graduate.

Grade: 10th (A in English II and Advanced on English II LEAP), 11 & 12

Duration: One Semester

Algebra I Honors

Algebra I is a full-year course that provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics include: (1) operations with real numbers, (2) linear equations and inequalities, (3) relations and functions, (4) polynomials, (5) algebraic fractions, and (6) nonlinear equations.

Grade: 8 Duration: Full Year

Financial Literacy

This course is designed to prepare students to make well-informed decisions regarding finances including debt management, building and improving credit, and practical financial decision-making. Students will apply fundamental math skills to compute income taxes, interest rates, and balance a checkbook. They will also develop an understanding of types of bank accounts, opening and managing a bank account, and assessing the quality of a financial institution's operations. Focusing on reading materials, such as articles about budgeting, saving, and financial planning will be supplemented by writing assignments that involve creating personal budgets, analyzing financial statements and developing financial plans. In addition, students will participate in speaking and listening activities to improve their reasoning and communication skills in a business setting.

Grade: 9 Duration: One Semester

Geometry Honors

During high school, students begin to formalize their geometry experiences from elementary and middle school, using definitions that are more precise and developing careful proofs. Properties and relationships of geometric objects include the study of four key areas: (1) points, lines, angles, and planes; (2) polygons, with a focus on quadrilaterals, triangles, and particularly right triangles; (3) circles; and (4) polyhedral and other solids. Analytic geometry connects algebra and geometry, resulting in powerful methods of analysis and problem solving. Geometric shapes can be described by equations, making algebraic manipulation into a tool for geometric understanding, modeling, and proof. Dynamic geometry environments provide students with experimental and modeling tools that allow them to investigate geometric phenomena in much the same way as computer algebra systems

allow them to experiment with algebraic phenomena.

Grade: 9 Duration: One Semester

Algebra II Honors

Algebra II is a continuation and expansion of Algebra I content. Major topics include set theory, field properties and theorems, systems of linear equations and inequalities, quadratics and the complex number system, rational equations, radicals and rational exponents, sequences and series. Multiple representations and technology are used to support and extend the content being studied, especially with respect to the study of functions: absolute value functions, piecewise functions, quadratic functions, polynomial functions, exponential functions, and logarithmic functions.

Grade: 10 Duration: One Semester

DE College Algebra (LSU Math 1021)

This course includes the following topics: solving equations and inequalities; lines; circles; systems of equations; functions and their graphs; inverse functions; polynomial, rational, exponential and logarithmic functions with applications.

Prerequisite: To Dual Enroll with LSU, students must meet the Board of Regents eligibility requirements AND earn an A or B in Algebra 2. Students that do not meet the requirements will be placed in a non-dual enrollment section of College Algebra.

Grade: 11 Duration: One Semester

DE Trigonometry (LSU Math 1022)

This course will include the following topics: evaluating trigonometric functions of general angles; graphing trigonometric functions; inverse trigonometric functions; identities and formulas; solving trigonometric equations; triangle applications; polar graphs; and vectors.

Prerequisite: To Dual Enroll with LSU, students must meet the Board of Regents eligibility requirements AND earn an A or B in their previous math course (Algebra 2 or DE College Algebra). Students that do not meet the requirements will be placed in a non-dual enrollment section of College Trigonometry.

Grade: 11 & 12 Duration: One Semester (Spring Only)

AP Precalculus

AP Precalculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. In this course, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, business, social science, and data science. Furthermore, as AP Precalculus may be the last mathematics course of a student's secondary education, the course is structured to provide a coherent capstone experience rather than exclusively focusing on preparation for future courses.

Grade: 10 & 11 Duration: One Semester

AP Calculus AB

AP Calculus AB aims to develop students' understanding of the major concepts of calculus (limits, derivatives, integrals, the Fundamental Theorem of Calculus) and to provide experience with its methods and applications. The course emphasizes a multi-representational approach in which problems and results are expressed graphically, numerically, analytically and verbally. Students' learning is enhanced with, though not overshadowed by, use of technology. Students who successfully complete this course and its nationally administered exam may receive credit for one semester of college-level calculus. DE Trigonometry is a prerequisite for AP Calculus.

Grade: 12 Duration: Full Year - (paired with Particular Topics in Calculus)

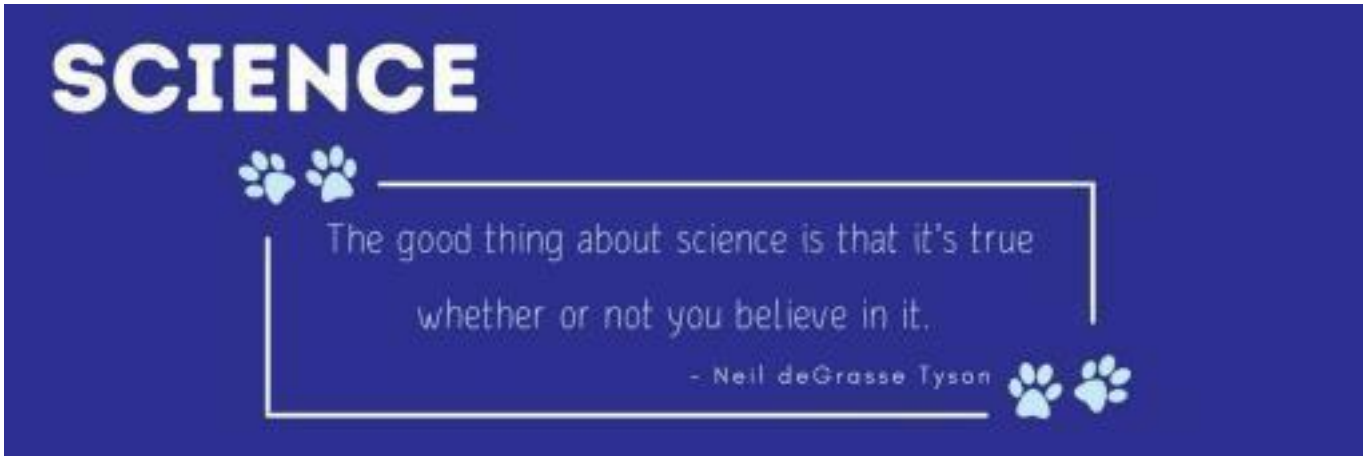
AP Statistics

AP Statistics introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. In this course, students are exposed to the following four conceptual themes:

1. Exploring Data – Describing patterns and departures from patterns
2. Sampling and Experimentation – Planning and conducting a study
3. Anticipating Patterns – Exploring random phenomena using probability and simulation
4. Statistical Inference – Estimating population parameters and testing hypotheses

Students who successfully complete this course and its nationally administered exam may receive credit for a one-semester, introductory, non-calculus-based college course in statistics. College Algebra is a prerequisite for AP Statistics.

Grade: 11 & 12 Duration: One Semester



Biology I Honors

Students will investigate the molecular basis of Biology in a project-based curriculum and through hands- on laboratory exercises. The course will cover topics such as the cell, the molecular basis of heredity, biological evolution, interdependence of organisms, systems and behaviors of organisms, as well as, personal and community health.

Grade: 9 Duration: One Semester

Chemistry I Honors

Students investigate the properties of matter through hands-on laboratory experiments and classroom discussions. Students are expected to master the ability to describe chemical reactions through balanced equations and perform routine chemical calculations. Students have access to a variety of technology to enable data collection, analysis, and presentation of results in multimedia and collaborative platforms.

Grade: 10 Duration: One Semester

Physics Honors

Physics is the study of the fundamental laws that determine the workings of the universe. The topics covered include motion, force, gravity, momentum, energy, heat, fluids, waves, light, optics, electricity, magnetism, and the structure of the atom. Basic trigonometry is integral to the course and it will be reviewed as needed. Critical thinking skills are developed through labs and projects. An independent project is required for honors credit.

Grade: 11 - 12 Duration: One Semester

AP Biology

AP Biology is a one-semester equivalent college course that merges rigor with creativity and offers students myriad opportunities for learning through scientific inquiry and the development of laboratory skills. Students will continue to investigate topics from Biology II, focusing on Cell signaling in disease, Body Processes, Neuroscience, Immunology, Behavior, and Ecology. Completion of this two-semester course will prepare students to successfully complete the AP Biology exam. Chemistry is a prerequisite for this course.

Grade: 11 & 12 Duration: Full Year - (paired with Advanced Topics in Biology)

AP Environmental Science

AP Environmental Science is a yearlong college level science course that provides the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

Grade: 11 & 12 Duration: One Semester

AP Physics 1: Algebra Based

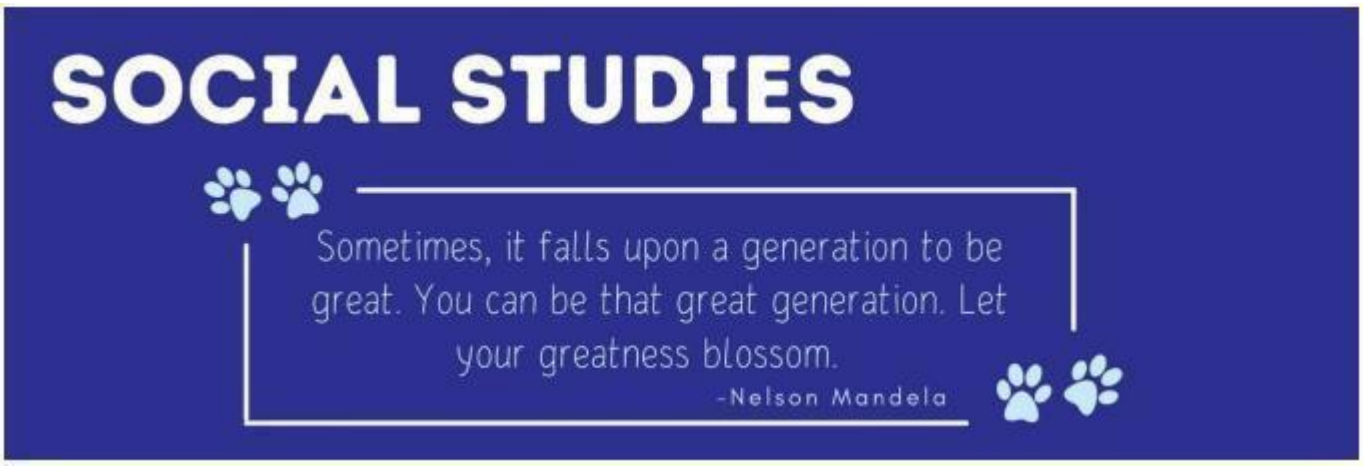
AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion.

Grade: 11 & 12 Duration: One Semester Prerequisite: B or higher in Algebra II

AP Physics 2: Algebra Based

AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electric force, field and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics.

Grade: 11 & 12 Duration: One Semester Prerequisite: AP Physics I



Civics Honors

Civics is designed to explore the origins of government, political theory, and the American political system. In addition, many local, national, and global social issues will be discussed and debated. This course will also review basic economic systems, as well as methods for analyzing financial institutions. The role of the citizen (politically, socially, and economically) is at the heart of this course. An independent project is required for honors credit. This course is a state tested course in which all students will take the LEAP 2025 at the end of the semester.

Grade: 9 Duration: One Semester

AP Human Geography

AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces 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 socio economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

Grade: 10 Duration: One Semester

United States History Honors

This one semester course focuses on United States history from the end of the Civil War to present day. Students will explore the eras of westward expansion and industrialization, progressivism, World War I and II, the Great Depression and New Deal, the Civil Rights era, the Cold War, and the modern era using a variety of primary sources designed to challenge and ignite student thinking. In order to receive honors credit for this course, all students must complete a research paper assigned by the teacher. This course is a state tested course in which all students will take the LEAP 2025 at the end of the semester.

Grade: 11 Duration: One Semester

AP United States History

AP US History is the equivalent of an introductory United States History college-level course. It is a yearlong course in which students study topics from the pre-Columbian era to the present day. The

course focuses heavily on analyzing primary source documents and developing arguments through written expression. **To take AP US History, you must enroll in AP US History in the fall semester, *and* enroll in US History H in the spring semester.** Combined, these two courses prepare students for the AP United States History exam in May and the state mandated LEAP 2025 exam in the spring. The combined AP US History/US History H course is a full year course and is worth one history credit.

Grade: 11 Duration: Full Year - (paired with US History Honors)

African American Studies Honors/AP

This will be offered as an AP Course provided it meets the TOPS University course requirements.

In African American Studies, students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Given the interdisciplinary character of African American Studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual and data analysis skills. The course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and African diaspora.

Grade: 10 - 12 Duration: One Semester

AP European History

In AP European History, students investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students develop and use the same skills 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. The course also provides seven themes that studying explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world, economic and commercial development, cultural and intellectual development, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovations. Priority will be given to seniors.

Grade: 11 & 12 Duration: One Semester

AP Psychology

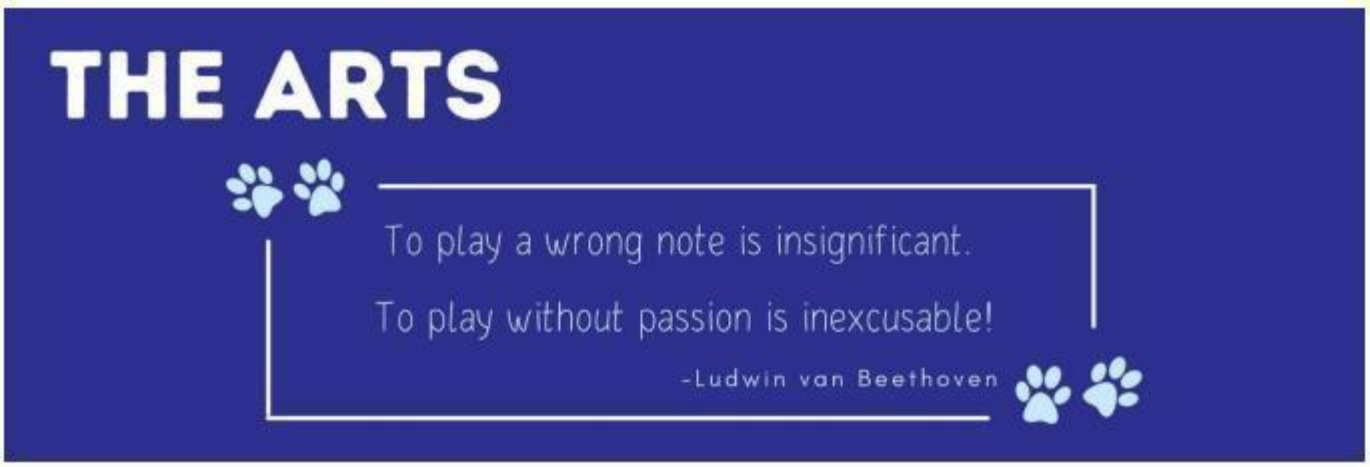
AP Psychology introduces students to the systematic and scientific study of human behavior and mental processes. While considering the students that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health. Throughout the course, students apply psychological concepts and employ psychological research methods and data interpretation to evaluate claims, consider evidence, and effectively communicate ideas. Priority will be given to seniors.

Grade: 11 & 12 Duration: One Semester

World History Honors

This one semester course studies the history, geography, civics, sociology, economics, culture and other social-science subjects related to World History (1350 C.E through the present). Students will cover Renaissance, Reformation, Scientific Revolution, and Age of Enlightenment, Age of Exploration, Agricultural Revolution, Industrial Revolution, influential nations and empires, prevalent political and economic systems of the 1900s, global conflict, and other contemporary trends and issues, WWI, interwar years, and WWII. The course also emphasizes the analysis of primary and secondary source documents. In order to receive honors credit for this course, all students must complete a research project assigned by the teacher. Priority will be given to seniors.

Grade: 11 & 12 Duration: One Semester



Fine Arts Honors

Fine Arts Honors is an Introductory Art course that focuses on creative expression, aesthetic perception, critical analysis, and historical and cultural perspectives.

Grade: 10 - 12 Duration: One Semester

Talented Art I - IV

Studio exploration and experiences in the elements and principles of visual design, using a variety of media, to develop and broaden the student's demonstrated artistic skills, critical abilities, and creative talent. Identification as a student Talented in the Visual Arts with a current IEP is required.

Grade: 9 - 12 Duration: One Semester

AP Studio Art: 2-D Design, 3-D Design, And Drawing

The AP Studio Art Program consists of three portfolio exams—2-D Design, 3-D Design, and Drawing— Students choose one portfolio for the course. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses.

Grade: 11 & 12 Duration: Full Year (paired with Talented Art III or IV)

DE Art History (CART 2103)

This course is a Southeastern course offered to students through their dual enrollment program. In this course students will be introduced to the chronology of the visual arts. Students will be exposed to numerous mediums and techniques in creating artworks. This survey level course will focus on major monuments in art history. We will discuss these monuments within their historical contexts, while considering their socio-cultural impacts and influences. To be eligible, students must meet the requirements put forth by Southeastern, including a minimum ACT requirement. Students will receive 3 college credits upon passing the course.

Grade: 11 & 12 Duration: One Semester

Engineering Design & Development (LSU Partnership)

Engineering Design and Development is an LSU course offered to high school students that introduces them to design and drafting through hand drawings, as well as through 3D modeling using Autodesk Inventor. This course also focuses on teaching design intent that comes into play when students are designing and modeling various objects. In this course, students will learn how to model anything and everything they could come into contact with. For instance, they modeled LEGOs, coffee cups, and water bottles and modeled them to scale, as they would do as designers/engineers/drafters would in the engineering field. After completing this course, students will take a certification test for Autodesk Inventor that they can add to their resumes for future job opportunities. Priority will be given to 10th graders.

Grade: 10 - 12 Duration: One Semester

Talented Music I - IV

Talented Music I-IV are specialized courses for students deemed talented in instrumental and/or vocal music. Students will master beginner to advanced music theory, ear training, and performance skills. Identification as a student Talented in Music with a current IEP is required.

Grade: 9 - 12 Duration: One Semester

Band

Band emphasizes the study and performance of music in concert and marching settings. It includes the study of different styles of music. Students are required to demonstrate yearly improvement on their instrument by meeting specified expectations for each instrument as determined by the director. This is a non-honors course.

Grade: 9 - 12 Duration: One Semester

Talented Theatre I – IV

The Talented Theatre courses are developed for students who have tested into the Talented Theatre Program and have a current IEP with a Theatre certification. Primary emphasis will be placed on the development of acting technique through monologue work, scene study, and short play performance. Through this source material, students can expect intense focus on moment-to- moment reality, subtext, and 'reactive' acting. From course to course, secondary emphases will involve script analysis, playwriting, and improvisation. Identification as a student Talented in Theatre with a current IEP is required.

Grade: 9 - 12 Duration: One Semester

DE Introduction To Theatre (CTHE 1013)

This course is designed to impart a deepened appreciation and understanding of today's theatre by surveying both contemporary techniques and the contribution of theatre to world culture. Consideration of the interrelation of all aspects of theatre production and the contributions of various related arts. To be eligible, students must meet the requirements put forth by Southeastern, including a minimum ACT requirement. Students will receive 3 college credits upon passing the course.

Grade: 11 & 12 Duration: One Semester

Spanish I Honors

Students will learn the basics of the Spanish language. They will make use of video, audio, and on-line grammar resources. In addition, they will work on traditional pen and paper exercises, oral drilling and live face-to-face practice. The course includes grammar, vocabulary, writing, listening, and speaking skills. The cultures of Hispanic America and Spain also form a significant part of the course. Students will be using the textbook ¡Avancemos Uno! The primary foreign language teaching methods implemented in this course are CI and FLEX. Students will learn the following verb tenses: present indicative, preterite, present progressive and affirmative familiar commands.

Grade: 9 Duration: One Semester

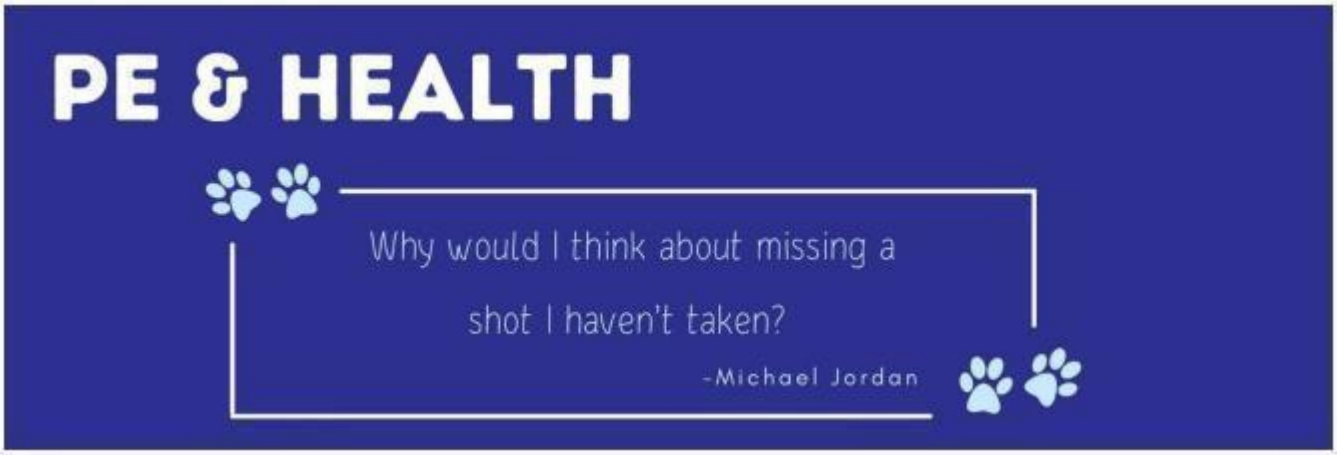
Spanish II Honors

As in Spanish I, students will continue to focus on Spanish as a collection of four skills: listening, speaking, reading, and writing. The aim of this course is to strengthen these skills, thus enabling students to communicate in a great variety of situations. In Spanish II, students will use the ¡Avancemos Dos! textbook, which begins with a brief review of key concepts taught in Spanish I. Students will improve auditory skills through the AIM and TPRS methodologies of foreign language teaching. Students will also read in Spanish on topics of a practical nature, such as advertisements, tourist information, newspaper/magazine articles, signs, menus, and business/personal letters. Project Based Learning will be used, where possible, to support students in the course. Students will learn the following verb tenses: imperfect indicative, present perfect indicative, present subjunctive, and negative familiar and formal (both singular and plural) commands.

Grade: 9 Duration: One Semester

Foreign Language Proficiency Test

Students who believe that they can successfully pass a foreign language proficiency test in the domains of listening, reading, speaking, and writing, they should contact Mr. C. Russell (christopher.russell@jpschools.org) to discuss scheduling and costs. Depending upon their proficiency level, they may test out of their foreign language courses. To do so, students must pass at least levels I and II in the same language.



Physical Education I

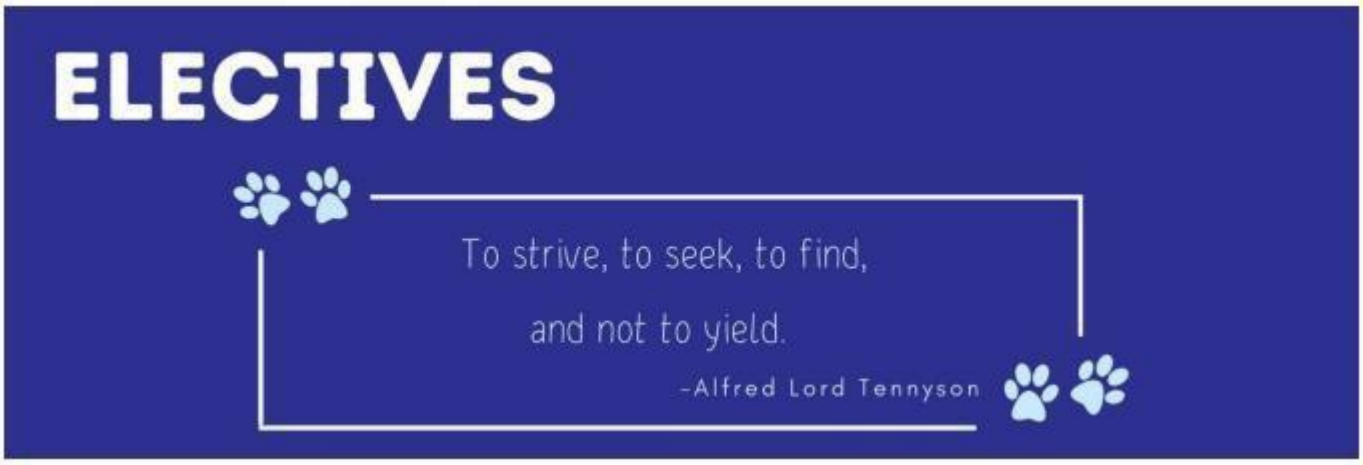
All students must complete 1.5 years of P.E. during the high school years. Physical education gives the students building blocks for good health: physical fitness and skills, coordination, and good sportsmanship. Students will learn to assess their own physical fitness and maintain healthy levels of physical activity. They will learn new skills and improve performance, while gaining the self-discipline to take part in individual and group activities. Students, who participate in physical education activities on a regular basis, learn the benefits of that participation and value its contribution to a healthy lifestyle.

Grade: 9 Duration: One Semester

Physical Education II & Health

Physical Education II is a one-half credit course where students will continue their development in the building blocks for good health: physical fitness and skills, coordination, and good sportsmanship. One-half credit of Health is required for graduation. Health education gives students the knowledge and skills to thrive physically, mentally, emotionally, and socially. It will help the students to recognize the causes of ill health and to understand the benefits of prevention, good hygiene, and appropriate medical care. Health education also includes a set of skills to help students to be better aware of the decisions they face of conflicting messages, thus assisting them to live healthier lives.

Grade: 10 Duration: One Semester



ACT Prep

The purpose of this one semester class is to help prepare college-bound students to score adequately on their ACT test and/or to raise their ACT score to a higher level. With renewed emphasis at the local, state, and national levels to improve test scores, ACT Prep is a course that was created to improve those scores. Seniors are given priority in the Fall semester of their senior year. Juniors can take the course in the Spring semester of their junior year. Juniors may register for this course for the Spring semester. Note: You are required to register for and take the ACTs for this course. Juniors in the Spring will take the free school ACT as one of the required tests.

Grade: 11 & 12 Duration: One Semester

AP Seminar

AP seminar is the first of two AP Capstone courses that focus on building students' research and presentation skills. Students explore real-world topics and issues by researching, reading, evaluating, and analyzing complex texts including pieces from professional journals, speeches, and research studies. The course aims to have students recognize how issues can be viewed from multiple perspectives so that they can develop their own viewpoints. To receive credit for the course, students compose two independent research papers, one team multimedia presentation, and one individual multimedia presentation. The course culminates with an AP test in May. With a score of 3 or higher on AP Seminar and AP Research and on four additional AP exams, students can earn the Capstone Diploma. Those who score 3 or higher on Seminar and Research but do not score a 3 or higher on four additional AP Exams will receive the AP Seminar and Research Certificate. AP Seminar is a prerequisite for AP Research.

Grade: 10 & 11 Duration: One Semester Prerequisite: C or higher in AP Seminar

AP Research

The second of two AP Capstone courses, AP Research gives students the opportunity to choose a scholarly research question of personal interest and explore it through the research and writing process. In doing so, they perfect their skills of interpretation, analysis, and synthesis. As part of

the class's required portfolio, students create their own scholarly work in the form of a 4,000-5,000 word academic paper, a presentation of their findings, and an oral defense of their positions. With a score of 3 or higher on AP Seminar and AP Research and on four additional AP exams, students can earn the Capstone Diploma. Those who score 3 or higher on Seminar and Research but do not score a 3 or higher on four additional AP Exams will receive the AP Seminar and Research Certificate. AP Seminar is a prerequisite for AP Research.

Grade: 11 & 12 Duration: One Semester Prerequisite: C+ in AP Seminar

Individual Projects H

This class is for college bound juniors planning on taking the PSAT, SAT, and ACT during the coming year. Students will analyze each section from each test, giving special consideration to Critical Reading, Math, and Writing, which are on both the SAT, as well as the ACT. Topics will include critical reading for textual evidence, grammar, essay writing, scientific concepts, and each type of math problem from fractions to basic advanced math. The first nine weeks will concentrate on the PSAT and the second nine weeks will focus on the ACT. Note: You will be required to take the PSAT in October, the SAT in November, and the ACT in December. You will receive a free ACT (provided by the school) in March. This course is for juniors only with priority given to students with a high NMSC Selection Index.

Grade: 11 Duration: One Semester

AP Computer Science Principles

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

Grade: 10 - 12 Duration: One Semester

DE Intro To Engineering (LSU Partnership)

This course is designed to introduce the profession, ethics, and diversity of the field of engineering to students in their first year of undergraduate study. The course will assist students to decide which of the majors within LSU's College of Engineering is best for them. These majors are: Biological Engineering, Civil/Environmental Engineering, Chemical Engineering, Computer Engineering/ Electrical Engineering, Computer Science, Construction Management, Industrial Engineering, Mechanical Engineering, and Petroleum Engineering. Specifically, this course will emphasize that the engineer is a team worker who needs strong skills in technical problem solving, engineering design, and ethical decision making, and communicating to diverse audiences. Major elements of the course include:

- The profession of engineering, its history, ethics and responsibilities.

- Team working on group assigned projects to cover the engineering majors.
- Communicating eloquently through verbal, visual, and written means.

Grade: 11 & 12 Duration: One Semester

Introduction to Robotics (LSU Partnership)

Students will use robotics to explore the fundamentals of engineering and programming. The course will consist of project-based learning including principles of engineering, physics, electronics, mechanics, and computer programming using RobotC. Students will use VEX components to create robots for both competitions and classroom projects. While building the robots, the design process will be emphasized as the robots are tested, and their designs are modified to accomplish varying tasks. DE Introduction to Engineering is a prerequisite for this course.

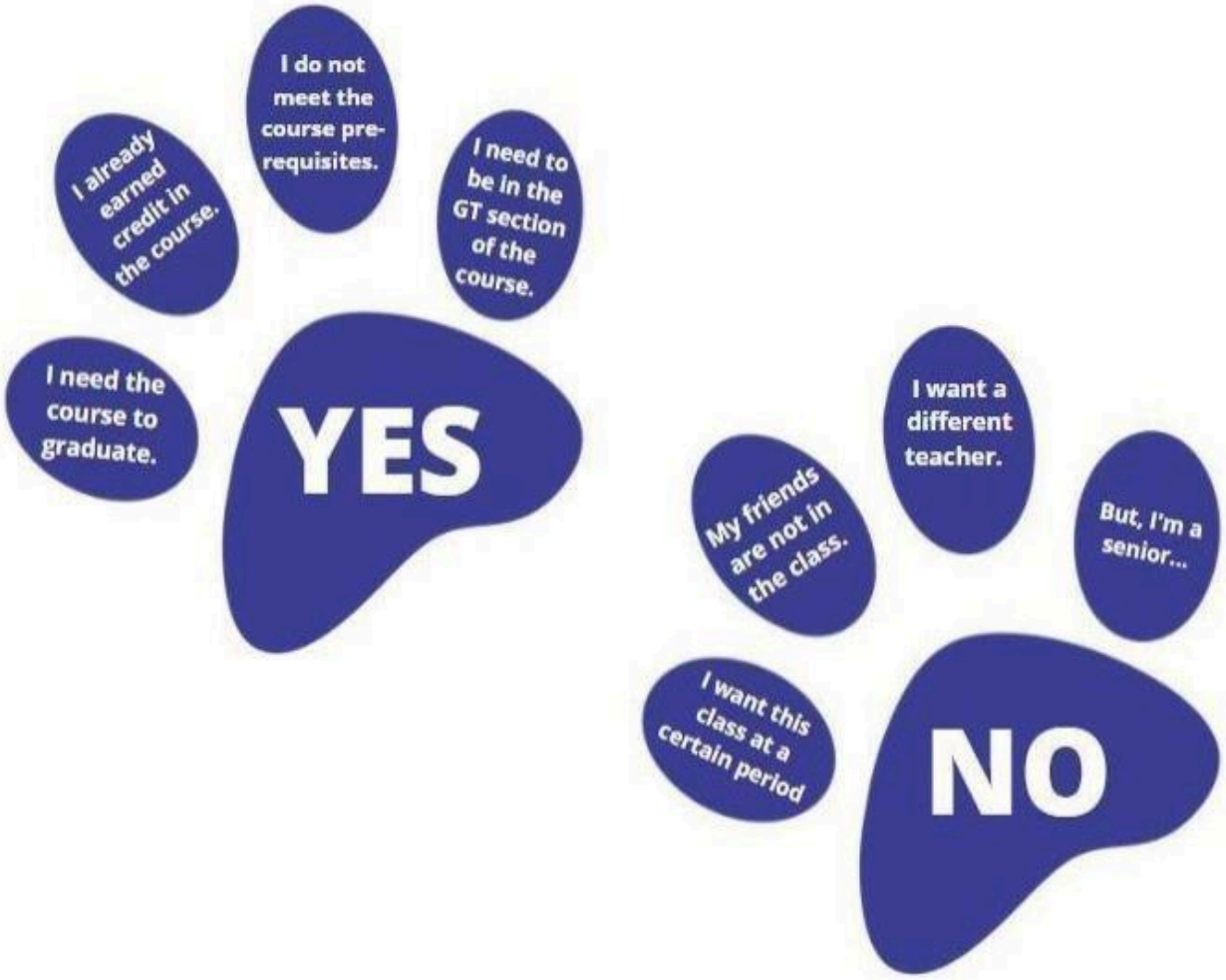
Grade: 11 & 12 Duration: One Semester

Introduction to Computational Thinking (LSU Partnership)

This course introduces students to the basic ideas of computational thinking and its applications to problem solving in STEM fields. Students will use an open source, Web-based programming environment to create code for simple drawings, animations and simulations, through which they learn how to use abstraction, decomposition and pattern recognition to model problems and arrive at an algorithmic solution. Program code is presented with a dual purpose: as the main way to interact with a computer and as a proxy to organize ideas explicitly and communicate them to other people.

Grade: 11 & 12 Duration: One Semester

CAN I CHANGE MY SCHEDULE?



Note: This is not a comprehensive list of reasons to have a schedule changed or not have a schedule changed. **Schedule changes must be made within the first three days of the semester.**