LAKE MARY
PREPARATORY SCHOOL

ACADEMIC EXCELLENCE
SINCE 1939

UPPER SCHOOL
CURRICULUM GUIDE

TABLE OF CONTENTS

MISSION & VISION

At Lake Mary Preparatory School, our goal is to ignite the full academic potential of every student. We use a whole-child approach to learning that promotes intellectual, emotional, and social growth while emphasizing problem-solving, critical thinking, and higher-order reasoning. This approach engages students in their development and encourages them to take ownership of their decisions and actions.

MISSION

Lake Mary Preparatory School is a secular private school serving students from Pre-K3 through 12th grade. Our unifying mission is to ignite the full potential of every student by preparing them academically, socially, and emotionally so they can succeed in an ever-changing world around them.

VISION

Create a safe learning environment surrounded by a culture of meaningful feedback, pedagogies, critical thinking, and challenging academics that inspire students to own their individual academic success and become responsible global citizens.

MESSAGE FROM THE PRINCIPAL

Lake Mary Prep's Upper School offers students in 9th through 12th grade a well-rounded education that prioritizes academic rigor and diverse extracurricular experiences through student-centered learning. In addition to academic excellence, we recognize the importance of equipping students with transferable skills that will serve them beyond the classroom. Whether it's critical thinking, collaboration, problem-solving, communication, or innovation, these skills are essential for thriving in an ever-changing world. At LMP, we believe in fostering a safe, supportive, and inclusive environment where integrity, empathy, resilience, and kindness are prioritized in the development of the whole child. We strive to empower each student to understand the impact they can make as a lifelong learner, responsible citizen, and compassionate leader.

HONOR CODE

The Honor Code embodies the character values that are considered an integral part of Lake Mary Preparatory School's student education. The Honor Code of Lake Mary Preparatory School is as follows:

"Integrity, Respect, and Responsibility - Always"

INTEGRITY

Academic honesty is presenting only one's own work for evaluation (i.e. homework, tests, writing assignments, class assignments). This also includes adequately citing one's sources and not plagiarizing from any other sources, including the Internet.

RESPECT

Students are expected to show respect for themselves and others and exhibit proper behavior toward all members of Lake Mary Preparatory School, including teachers, administrators, parents and other students.

RESPONSIBILITY

Students are responsible for meeting all academic obligations, including classes, study halls, independent studies, appointments and homework in a timely manner. All students are expected to uphold their personal integrity and the integrity of the school environment; respect themselves, others and school property; exhibit responsibility for themselves and for the school.

Just as Lake Mary Preparatory School holds a standard of academic excellence, similar standards of excellence must also apply to student behavior and proper care of individual and school property.

ADVANCED PLACEMENT

What is Advanced Placement?

AP represents college level academic challenges. AP classes are college level courses offered in English, Math, Science, Social Studies, Foreign Language, and Art. The work students do in AP will help them develop skills and study habits that will be vital in college. Colleges recognize that applicants with AP experiences are adequately prepared for the demand required for college courses.

How Difficult Are AP Courses?

Compared with regular high school courses, AP courses are more demanding. Depending on the subject, students may read and write more, analyze material, synthesize ideas, solve problems, and evaluate. The students investment in AP courses will aid in establishing invaluable virtues as well as promote lifelong learning.

Once enrolled in an AP course, the student is expected to maintain consistent performance, as evaluated by the instructor (semester grades of B- or higher). AP students are required to take the AP examination as their spring semester final examination.

Advanced Placement Course Offerings

AP Biology
AP Calculus AB
AP Calculus BC
AP Chemistry
AP Computer Science A
AP Computer Science Principles
AP English Language & Composition
AP English Literature & Composition
AP European History
AP Government & Politics: US
AP Physics C: Mechanics
AP Precalculus
AP Psychology
AP Research
AP Seminar
AP Statistics
AP Studio Art 2D Design
AP United States History
AP World History: Modern

AP CAPSTONE DIPLOMA

AP Capstone is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. The program cultivates curious, independent, and collaborative scholars that will prepare students to make logical evidence-based decisions. AP Capstone is comprised of two AP courses - AP Seminar and AP Research - and is designed to complement and enhance the discipline-specific study in other AP courses.

Students at LMP may take AP Seminar in grade 11, followed by AP Research in grade 12. Students who earn a score of 3 or higher in AP Seminar, AP Research, and on four additional AP exams of their choosing, receive the AP Capstone diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP exams receive the AP Seminar and Research certificate. Students earning the AP Capstone diploma will also receive public recognition during the award ceremony and at the LMP graduation ceremony.

SOCIAL AND EMOTIONAL LEARNING (SEL)

At Lake Mary Preparatory School, we are committed to building a culture of empowerment and compassion that is grounded in active learning, community involvement and social responsibility. This culture is built through an embedded social-emotional curriculum. We focus on student character traits within our learning environment that enrich students' lives through perspective, reflection, self-management, resilience, connection and compassion. Our goal is to empower Lake Mary Prep students to be confident, compassionate, and well-rounded individuals who contribute positively to their communities and the world around them.

Ideal Student Traits:

- Collaborative
- Adaptable
- Resilient
- Innovative
- Integrity
- Reflective
- Empathetic
- Global Thinker

BRING YOUR OWN DEVICE PROGRAM

Lake Mary Preparatory School has identified the need to expand our laptop program into the middle school in order to equip our students with the skills needed to become proficient in our Six Pillars of Technology Framework which includes: professional-level publication, professional-level-presentation, original research, data analysis, statistics and probability, professional responsibility in a digital world, and engineering and design. These subject areas will prepare our students with skills that are expected of them when they enter Upper School.

All computers must arrive on the first day of school with:

- Anti-Virus Software with a current subscription that will not expire during the school year
- Anti-Malware Software with a current subscription that will not expire during the school year

GRADUATION REQUIREMENTS

Language Arts (4.0 Credits)	
English I, II, III, IV	4.0
Mathematics (4.0 Credits)	
Algebra I, Geometry, Algebra II	3.0
1 additional math offering	1.0
Science (4.0 Credits)	
Biology	1.0
Chemistry	1.0
2 additional science offerings	2.0
Social Studies (4.0 Credits)	
World History	1.0
American History	1.0
Government/Economics	1.0
1 other offering	1.0
World Languages (2.0 Credits)	
2 consecutive years of a world language	2.0
Technology (1.0 Credit)	1.0
Fine Arts (2.0 Credits)	2.0
Physical Education (1.0 Credit)	1.0
Electives (4.0 Credits)	4.0
Includes additional courses from any area above.	
TOTAL CREDITS:	**26.0**

Recommended Laptop Specifications:

- Operating System: Apple MacOS 11 or newer, MS Windows 10
- Laptops running Chrome OS have been found to be incompatible with certain educational websites and are not permitted
- Tablet computers are not permitted unless they are running Microsoft Windows OS.
  Processor: Quad Core or better recommended
- Memory: 8 GB Minimum
- Hard Drive: 128 GB minimum, (SSD) Solid State Drive recommended; Wireless Networking: 802.11n compatible

ENGLISH COURSE DESCRIPTIONS

English I (Standard or Honors) **Grade Level: 9**

English I is a survey of literature course with a focus on learning how to critically read and write about fiction, poetry, and drama. Themed units of study include personal identity, lost innocence, and individual encounters with morality and love. The writing process is reinforced throughout the course, and students will have the opportunity to compose, revise, and perfect multiple drafts of critical and creative pieces. Honors courses incorporate deeper discussion and higher levels of application and assessment in preparation for future AP coursework. A teacher recommendation is a prerequisite to be eligible for an Honors course.

English II (Standard or Honors) **Grade Level: 10**

English II focuses on college preparedness and emphasizes grammar, academic vocabulary building, and engaging projects. Students in this course cultivate a broader worldview and understand the universality of myths through the study of Jungian archetypes. Students will apply this knowledge to a variety of books and texts ranging from classic to contemporary. Writing skills will be honed as students complete analytical, argumentative, and research essays, as well as a variety of creative and scholarly pieces. Honors courses incorporate deeper discussion and higher levels of application and assessment in preparation for future AP coursework. A teacher recommendation is a prerequisite to be eligible for an Honors course.

English III (Standard or Honors) **Grade Level: 11**

English III examines the theme of identity through the reading of literature from a wide variety of authors and origins. Special emphasis is placed on the skills of close reading and annotation, as well as critical writing and employment of secondary sources. Students in this course build on the research and writing skills of English II, moving toward greater independent thought and work. Research, writing, and analysis are built from the themes and ideas of a variety of genres, including the novel, memoir, drama, historical non-fiction, short story, and poetry. Honors courses incorporate deeper discussion and higher levels of application and assessment in preparation for future AP coursework. A teacher recommendation is a prerequisite to be eligible for an Honors course.

English IV (Standard or Honors) **Grade Level: 12**

English IV and Honors English IV focus on introducing students to a variety of novels, poems, and other works of literature, relating each to the tropes and conventions of various literary genres. In this class, students use literature as a starting point from which to study universal themes and ideas. There will be an emphasis on independent work as students prepare for college courses and other future endeavors. Students will practice support and analysis in numerous writing assignments throughout the year. English IV focuses on helping students develop individual opinions and theories related to the texts that we read in class, and practicing how to support those ideas with specific primary and secondary source evidence. Throughout the year, we will practice writing in various forms and styles including but not limited to, handwritten essays, typed essays, research papers, discussion posts, and informal prompts, among others. Honors courses incorporate deeper discussion and higher levels of application and assessment in preparation for future AP coursework. A teacher recommendation is a prerequisite to be eligible for an Honors course.

AP English Language and Composition

Grade Levels: 11-12

Prerequisite: English II

Students in this introductory level college course carefully read and analyze a wide variety of nonfiction. Understanding how authors use language to create meaning is perhaps the most crucial of concepts. Students also learn the history of rhetorical argument, how to frame and recognize arguments, and modern applications of rhetorical and persuasive techniques. All reading is designed to produce critical thinkers and writers and to prepare them for the AP English Language and Composition Exam. Students entering this class will have a strong foundation in critical thinking and writing. Summer reading and writing are required for entrance to this course. As this is a college level course, performance expectations are high, and the workload is challenging. This course is open to juniors and seniors whose past grades and work ethic indicate readiness for this college level course.

AP English Literature & Composition

Grade Levels: 11-12

Prerequisite: English II

This course prepares students to become careful and critical readers and writers. Students are engaged in reading representative works from various literary eras and genres. In this course, students will improve their skills in close reading, paying careful attention to historical context as well as textual details such as structure, style, theme, figurative language, archetype, tone, and attitude. Thoughtful interpretation and critical writing through various approaches will take place throughout the course. Students entering this class are expected to have a strong foundation in critical thinking and writing. As this is a college level course, performance expectations are high, and the workload is challenging. Writing assignments take many forms including practicing AP prompts from past AP Literature exams that are evaluated by peers and the teacher. Assignments may include reaction papers, practice essays in various modes and representing different critical approaches, larger projects involving research and requiring MLA citation, and other assignments throughout the year.

SCIENCE COURSE DESCRIPTIONS

Biology (Standard or Honors) **Grade Level: 9**

This course provides a general overview of the study of living organisms. The major units covered are the scope and science of biology, ecology, cells, energy transformations, genetics, the history of life and early earth, evolution, taxonomy, microorganisms, plants, and animals. Students will show mastery of fundamental concepts of the previously mentioned topics and problem-solving skills using scientific inquiry in a laboratory setting. Honors courses incorporate deeper discussion and higher levels of application and assessment in preparation for future AP coursework. A teacher recommendation is a prerequisite to be eligible for an Honors course.

Chemistry (Standard or Honors) **Grade Levels: 10-12**

Prerequisites: Biology and Algebra I

This course focuses on the understanding of the physical and chemical changes that occur in natural phenomena. The course discusses a variety of topics, from Atoms and the Periodic Table to Calorimetry and Acids & Bases. The lab component of this course provides students with hands-on opportunities to master the standards and develop a scientific mindset for problem-solving. Honors Chemistry discusses a variety of topics, from Quantum Atomic Theory and Stoichiometry to Thermochemistry and Rates & Equilibrium. Honors courses incorporate deeper discussion and higher levels of application and assessment in preparation for future AP coursework. A teacher recommendation is a prerequisite to be eligible for an Honors course.

Physics (Standard or Honors) **Grade Levels: 11-12**

Prerequisites: Algebra II and Chemistry, Co-requisite: Algebra II

This course teaches an understanding of the physical world using mathematical equations, models, and experimental results. The lab component for this course allows for hands-on application of the concepts taught. Course topics include Newtonian mechanics, energy, momentum, wave characteristics, and electricity. Honors courses incorporate deeper discussion and higher levels of application and assessment in preparation for future AP coursework. A teacher recommendation is a prerequisite to be eligible for an Honors course.

Marine Biology **Grade Levels: 10-12**

Prerequisites: Biology and Chemistry

In this course, students will study the inhabitants and processes of the ocean by investigating ocean organisms and the physical characteristics of the ocean. Topics include analysis of meteorological and animal tracking data to examine how marine and animal movements are connected to the physical and chemical properties of the ocean, the properties of water, human impacts on the ocean, and the specific characteristics of many different marine ecosystems.

Honors Florida Ecology **Grade Levels: 10-12**

Prerequisites: Biology

The goal of this course is to introduce students to ecological concepts through the lens of natural ecosystems and native species of Florida. By the end of the course, students should be conversant in major ecological ideas and able to identify the major ecosystems of Florida and many of the native plant and animal species. Students will focus on analyzing Florida's Ecological issues and solutions through environmental, social, and economic impacts. Finally, students will apply their learning via passion projects, the Florida envirothon competition, and a legacy project that positively impacts the school using the ecological information they have learned throughout the year.

Engineering Innovation **Grade Levels: 9-12**

This course will involve students building, testing and modifying devices which may include a mousetrap car, solar powered racer, a small solar robot, a fan powered boat, Vex remote control vehicle or a tabletop trebuchet. The scientific approach will be used to analyze the objects made. Also, students may study solar cells, optics and energy transfer (through creation of a Rube Goldberg type device. The emphasis is both on creation and understanding of the science behind the devices.

Forensic Science **Grade Levels: 9-12**

Forensic Science is a full-year, multi-disciplinary survey course in which students will gain an introduction to the various areas of Crime Scene Investigation, Evidence Collection and Processing through engaging hands-on activities. Areas of study include, but are not limited to: forensic art and reconstruction, ethics and professional practice, forensic psychology, the role of biology, osteology, pharmacology, and entomology in forensics, various applications of forensic fieldwork including mock crime scenes, as well as a variety of forensic technologies including serology and DNA.

AP Physics C: Mechanics **Grade Levels: 11-12**

Prerequisites: Physics, AP Calculus AB (prerequisite and/or co-requisite), and Teacher Recommendation

This course is designed for students who plan to specialize in physical science or engineering and is strongly recommended as a second-year physics course. Students are expected to develop a deep understanding of the fundamentals of classical mechanics and apply their critical thinking skills to complex physical problems. Students will use methods of differential and integral calculus to solve and understand physical problems.

AP Biology **Grade Levels: 10-12**

Prerequisites: Biology, Chemistry, and Algebra I Recommended

This course is taught at the college level for upper school students who have demonstrated proficiency and interest in the field of biology. The course content is divided into the following four Big Ideas: Evolution, the diversity, and unity of life; Biological systems, free energy, and homeostasis; Living systems, genetics, and cell communication; and Ecology. This course has an increased emphasis on science practices and inquiry-based learning. Students are encouraged to focus on the relationships, processes, mechanisms, and applications of concepts.

AP Chemistry **Grade Levels: 11-12**

Prerequisites: Chemistry, Algebra II, and Teacher Recommendation

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

MATHEMATICS COURSE DESCRIPTIONS

Algebra I (Standard or Honors) **Grade Levels: 7-9**

Prerequisite: Pre-Algebra

This course begins the study of the structure of Algebra. Course topics include real numbers, solving and analyzing linear equations, graphing relations and functions, solving linear inequalities, polynomials, factoring, quadratic functions, radical expressions, and rational expressions.

Geometry (Standard or Honors) **Grade Levels: 8-10**

Prerequisite: Algebra I

In this course, students study congruent segments and angles, circle chords, secants and tangent segments, parallel and perpendicular lines, angle measure in triangles, direct and indirect triangle congruence and similarity, proofs, logic, similar triangles, transformations, the Pythagorean Theorem, geometric constructions, coordinate geometry, and surface area and volume of solids.

Algebra II (Standard or Honors) **Grade Levels: 9-11**

Prerequisites: Geometry

This course continues the study of the structure of Algebra and covers topics including relations, functions, graphs, polynomial and rational expressions, exponents, logarithms, complex numbers, sequences, series, and word problems. A TI-Nspire CX calculator is required for this course.

Pre-Calculus **Grade Levels: 10-12**

Prerequisites: Algebra II and/or Teacher Recommendation

This course continues the study of Algebra, Geometry, and incorporates advanced Trigonometry. Topics of study include exponential functions, logarithmic functions, trigonometric functions, analytic trigonometry, vectors, sequences, series, probability, analytic geometry, parametric equations, polar equations, and limits. A TI-Nspire CX Graphing Calculator is required for this course.

AP Pre-Calculus **Grade Levels: 10-12**

This course prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

AP Calculus AB **Grade Levels: 12**

Prerequisite: AP Pre-Calculus or Honors Pre-Calculus with Teacher Recommendation

This course is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. This course is comparable to taking Calculus I in college.

AP Calculus BC **Grade Level: 12**

Prerequisite: AP Calculus AB

This course is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. This course is comparable to taking Calculus II in college.

AP Statistics **Grade Levels: 10-12**

Prerequisites: Algebra 2 and Teacher Recommendation

This course draws connections between all aspects of the statistical process including design, analysis, and conclusions. AP Statistics teaches students how to communicate methods, results, and interpretations using the vocabulary of statistics. Class discussion is encouraged to develop the student's ability to communicate statistically. A TI-Nspire CX graphing calculator is required for this course.

HISTORY COURSE DESCRIPTIONS

World History (Standard or Honors) **Grade Level: 9**

In this course, students will further develop their ability to think analytically and critically as they refine their historical knowledge. Students will utilize both primary and secondary sources and case study interpretations will be developed. This course will cover the approximate historical eras of Prehistoric times through Imperialism. Honors courses incorporate deeper discussion and higher levels of application and assessment in preparation for future AP coursework. A teacher recommendation is a prerequisite to be eligible for an Honors course.

Modern World History (Standard or Honors) **Grade Level: 10**

This course examines historical patterns and changes to analyze how history informs decision making today. Students will enhance their knowledge of world affairs and international relations. By the end of this course, students will be able to critically discuss the causes and effects of current world issues and their implications. Analysis of historical documents is emphasized. Honors courses incorporate deeper discussion and higher levels of application and assessment in preparation for future AP coursework. A teacher recommendation is a prerequisite to be eligible for an Honors course.

United States History (Standard or Honors) **Grade Level: 11**

This course examines the history of the development of the United States by examining connections to the past to prepare students to become participating members of a democratic society. Students will trace and interpret the political, economic, and sociological development of the United States. The content emphasis is on the years immediately preceding the Civil War to the present, with a focus on inquiry and interpretation. Honors courses incorporate deeper discussion and higher levels of application and assessment in preparation for future AP coursework. A teacher recommendation is a prerequisite to be eligible for an Honors course.

United States Government (Semester Course) **Grade Level: 12**

Prerequisite: None

This course will explore the political theory and everyday practices that shape our government and public policies. Students will develop a critical understanding of the government's development, structure, and the rights and responsibilities of citizenship.

Economics with Financial Literacy (Semester Course) **Grade Level: 12**

Prerequisite: Teacher Recommendation

This course serves as an advanced introduction to the discipline of economics. The course will cover both microeconomics and macroeconomics. Students are introduced to the basics of Financial Literacy including budgeting, savings, credit, loans, insurance, and investing. In addition, the course includes the study of the stock market, real estate, and entrepreneurship. Critical analysis, research, and writing skills will be strongly emphasized and developed throughout the year.

AP World History: Modern **Grade Level: 9**

Prerequisite: Teacher Recommendation

This course is designed to be the equivalent of a freshman college survey course in World History. Students will explore history from 1200 C.E. to the Modern Era through a variety of themes. Critical analysis skills will be developed and applied. Writing skills are a central focus as students work to analyze documents, compare periods of world history, and understand why continuity and change occurs.

AP European History **Grade Level: 10**

Prerequisite: Teacher Recommendation

This course is designed to be the equivalent of a freshman college survey course in Western Civilization. Students will examine the history of Europe from the late Middle Ages to the present day from many perspectives including cultural, intellectual, and artistic. Writing skills are a central focus as students work to analyze documents, compare periods of European history, and understand why continuity and change occurs. Students' ability to respond to multiple choice questions, short answer, long essays, and DBQs will be developed through the year in preparation for the AP exam.

AP United States History **Grade Level: 11**

Prerequisite: Teacher Recommendation

This course is designed to be the equivalent of a freshman college survey course in American History. Topics include the major events of United States history since the 15th century, focusing in particular on the political, social, and economic causes and effects of those events. Writing skills are a central focus as students work to analyze documents, compare periods of United States history, and understand why continuity and change occurs. Students' ability to respond to multiple choice questions, short answer, long essays, and DBQs will be developed through the year in preparation for the AP exam.

AP United States Government and Politics **Grade Level: 12**

Prerequisite: Teacher Recommendation

This course is designed to be the equivalent of a freshman college survey course in American government. Students will develop a critical understanding of the government's origins, development, structure, and role in making and enforcing public policy. Students will make connections between course content and current affairs and develop the ability to respond to multiple choice questions and free response essays in preparation for the AP exam.

WORLD LANGUAGE COURSE DESCRIPTIONS

Spanish I **Grade Levels: 9-12**

Prerequisite: None

This is an introductory course to the Spanish language. Students will develop comprehension skills in Spanish through listening, speaking, writing, and reading. Students will learn basic grammar, vocabulary, and cultural aspects of the language through thematic units. By the end of this course, students will be able to communicate using simple sentences to express ideas on various topics.

Spanish II **Grade Levels: 9-12**

Prerequisite: Spanish I or Teacher Approval (upon completion of a placement test)

This course will strengthen students' use of the language through the communicative skills of listening, speaking, reading, and writing through thematic units. Students will expand their vocabulary using culturally authentic sources and communicate using complex sentences orally and in writing.

Honors Spanish III **Grade Levels: 10-12**

Prerequisite: Spanish II or Teacher Approval (upon completion of a placement test)

In this course, students will be presented with advanced grammar structures while reviewing, reinforcing, and gradually expanding previously studied concepts and vocabulary. Thematic units guide students to use authentic language through structured practice achieving creative personalized expression. Students will express themselves in the language and perform at a higher level of proficiency.

Honors Spanish IV **Grade Levels: 11-12**

Prerequisite: Spanish III or Teacher Approval (upon completion of a placement test)

In this course, students study advanced and complex grammar that will broaden their understanding of the written and spoken language. Analysis and interpretation of authentic sources in literature, art, history, and current events will further students' understanding of Spanish culture. Students will read, write, and speak at an advanced level introducing them to Pre AP Language and Culture activities.

Chinese II **Grade Level: 10-12**

Prerequisite: Chinese I

In this course, students will continue to develop listening, speaking, reading, and writing skills. They will keep learning on themes that are relevant to the everyday lives of students. Emphasis is placed on the development of listening and speaking skills and on the acquisition of the fundamentals of applied grammar.

Honors Chinese III **Grade Level: 10-12**

Prerequisite: Chinese II and Teacher Approval (upon completion of a placement test)

Students who have successfully completed Chinese II continue to enlarge their vocabulary, study and review grammar, and gain increased fluency through using authentic material. There is increased emphasis on writing, discussions and presentations on the topics related to daily life & Chinese culture.

Honors Chinese IV **Grade Level: 11-12**

Prerequisite: Honors Chinese III and Teacher Approval (upon completion of a placement test)

This course expands conversational and written skills and examines Chinese culture and society. Emphasis is placed on the skills needed for using more authentic materials and writing short essays. By the end of this course, students will communicate effectively.

FINE ARTS COURSE DESCRIPTIONS

Rock Band **Grade Levels: 9-12**

Prerequisite: Teacher Recommendation

The Rock Band is an ensemble of musicians who sing and perform on piano, guitar, bass, and drums. Students in Rock Band will be introduced to the elements of Rock N' Roll, popular Rock tunes from the 1950s to modern day and will learn how to perform some of these compositions. The emphasis will be on performance practice and musical adaptations of the Rock N Roll style.

Symphonic Band I-IV **Grade Levels: 9-12**

Prerequisite: Teacher Recommendation

This course is open to all students with at least one year of playing experience on a standard band instrument. Emphasis is placed on the development of increased proficiency with a musical instrument. This ensemble performs musical pieces at the advanced level. Symphonic Band serves as the Pep Band for home football games and participates in a minimum of 4 school performances each year. Attendance at after-school rehearsals and performances is required.

Orchestra I-IV **Grade Levels: 6-12**

Prerequisite: Teacher Recommendation

This course is designed for students to continue to play a string orchestra instrument that includes: Violin, Viola, Cello or Bass. The emphasis is on ensemble performance techniques studied and applied through a wide range of string orchestra literature. Students should have at least one year of study on their instrument prior to joining the orchestra. There are opportunities for students who also play piano to also accompany the group for select repertoire. Students will perform in concerts on and off campus to showcase their skills throughout the school year.

Acting & Drama I-IV **Grade Levels: 9-12**

Prerequisite: None

This course will introduce students to the four main pillars of theatre: script analysis, performance, directing, and design. Students will learn how to read, map, and interpret contemporary texts intended for the stage. In this course, students will develop their acting abilities with audition preparation improvisational theater. Throughout the course, students will have the opportunity to work independently and collaboratively to provide valuable critiques, immerse into production-oriented goals, and create theatre.

TV Production I-IV **Grade Levels: 9-12**

Prerequisite: TV Production I: None; Television Production II, III, or IV must have passed the previous sequence with a C or higher

Students will have the opportunity to develop skills in basic video operation, scriptwriting, reporting, and post-production. In this course, teamwork, direction, and production of video projects are emphasized. Students will learn the video editing software program, Adobe Premiere Pro. By the end of this course, students will exhibit knowledge of all aspects of a career in the television industry, and will achieve this by producing various segments of the student-led program, GNN. This course fulfills either a Fine Arts or Technology credit for graduation.

Film **Grade Levels: 9-12**

Prerequisite: None

In this course, students will embark on an exploration of cinema as an art form, cultural phenomenon, and means of storytelling. Through a combination of screenings, discussions, and hands-on projects, students will learn about the history of film, the filmmaking process, and the essential techniques used by filmmakers to create compelling narratives. They will engage in film analysis and criticism, learning how to interpret visual language, sound, editing, and mise-en-scène to uncover deeper meanings and thematic elements. This course is ideal for students interested in filmmaking, storytelling, or a deeper understanding of movies as a creative medium. No prior experience in film is required—just a passion for movies and a curiosity about how they are made.

Design for Good - Foundations of Design **Grade Levels: 9-12**

Prerequisite: None

Discover the importance of converting relevant and insightful information into effective products and meaningful visual design. The purpose of this course is to enable students to develop fundamental skills in the design process across multiple design focuses including visual communication, architecture, fashion, and industrial design. Students will develop knowledge of sustainable design practices, career pathways, design specific program knowledge, and will develop transferable skills such as time management, collaboration, and critical thinking.

Yearbook I-IV **Grade Levels: 9-12**

Prerequisite: Graphic Design or Photography

Yearbook is a production-based elective course that creates the Legacy yearbook. Because the staff is solely responsible for the content, design, and layout, students who choose to be a part of this business must ensure that it runs efficiently and effectively. Staffers must be cooperative, punctual, professional, creative, and productive. Students are responsible for taking digital photos, conducting interviews, managing clerical operations, and composing, designing, and editing all elements of text, graphic art, and digital photography layouts. This course requires students to be available outside of regular class hours to attend sporting events, student activities, etc. Students are expected to be organized, motivated, and possess strong reading and writing skills upon entering the class.

Studio Art I **Grade Levels: 9-12**

Prerequisite: None

Students will be introduced to the elements of art and principles of design through studio projects in 2D and 3D. Students will create a body of artwork that demonstrates art and design through craftsmanship, technique, and creativity. Students will use art history to understand different cultures through the study and analysis of art as a means of communication.

Studio Art II **Grade Levels 10-12**

Prerequisite: Studio Art

This course is for students who are prepared for more advanced conceptual visual study. Emphasis is placed on developing skill mastery in varied 2D and 3D media to produce representational, figurative, and abstract imagery. Students will be expected to apply knowledge of Art History to communicate meaning in their own artwork.

Honors Portfolio Art **Grade Levels: 11-12**

Prerequisite: Studio Art II or Teacher Recommendation

In this self-directed course, students will develop a portfolio showing a body of their own work that visually explores a particular artistic interest. Artists may work in but are not limited to: drawing, painting, printmaking, mixed media, photography, digital media, and emerging technologies that demonstrate an understanding of design principles as applied to a 2-dimensional surface. Students display high levels of critical and conceptual thinking, research skills, and creative risk-taking.

AP Studio Art 2D Design **Grade Level: 12**

Prerequisite: Portfolio or Teacher Recommendation

This course has been developed for students interested in showing artistic mastery of design. Artists may work in but are not limited to, content in drawing, painting, printmaking, mixed media, photography, and digital media. This course is evaluated by the submission of a portfolio at the end of the school year. The portfolio is 24 pieces of art divided into three sections: quality, breadth, and concentration. Students will research formal concepts, explore creative techniques, and display conceptual thinking.

Cheer/Dance Team **Grade Level: 6-12**

This class is a great fit for students who have some experience with cheer/dance, enjoy being involved in school activities, love to perform, have a strong work ethic, and are ready to positively represent LMP with enthusiastic school spirit. The Cheer/Dance Team will practice in class during the school day and then have an opportunity to perform during pep rallies, home football games, and other school events. Please note, there is a $250 fee to participate in this course. The feel will cover costs for uniforms and shoes, poms, and any additional supplies needed. You must also be able to commit to cheering at the home football games.

ACADEMIC ELECTIVE COURSE DESCRIPTIONS

Humanities
Grade Levels: 9-12

Prerequisite: None

This course is designed to introduce students to the major disciplines of the humanities. The first semester includes an exploration of the art, architecture, culture, theater, and history of Prehistory, Mesopotamia, Ancient Egypt, Ancient Greece, Ancient Rome, Medieval, and Renaissance. The second semester will focus on the art of the Eighteenth Century through the Modern era, as well as a study of musical eras that include: Baroque, Classical, Blues, Jazz, and Rock n' Roll. Students work independently and collaboratively on projects and presentations throughout the year.

AP Psychology
Grade Levels: 10-12

Prerequisite: None

This course is designed to be the equivalent of a freshman college survey course in psychology. Students will be introduced to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. At the end of this course, students will take the AP Psychology Exam.

AP Seminar
Grade Levels: 10-11

Prerequisite: Teacher Recommendation

In this course, students develop and strengthen analytical skills as they explore current events. Students practice close reading and analysis of articles, identifying themes, and building support for arguments. Students also learn to consider issues from multiple perspectives, evaluate the strength of arguments, and make logical fact-based decisions. AP Seminar students are assessed with two performance tasks in the second semester and an exam in May. Performance tasks consist of a team project and presentation, and an individual research-based essay and presentation.

AP Research
Grade Levels: 11- 12

Prerequisite: AP Seminar

This course allows students to design, plan, and conduct a yearlong research-based investigation on a topic of individual interest, documenting their process with a portfolio. Students demonstrate the ability to apply scholarly understanding to real-world problems and issues by learning how to understand research methodology, employ ethical research practices, and synthesize information to build, present, and defend an argument. The course culminates with an academic paper and a presentation with an oral defense.

Digital Music Creating & Recording
Grade Levels: 10-12

Prerequisite: None

This course is designed to spark creativity and tie in with the technological side of music. Students will compose musical ideas and learn how to record and categorize these ideas in a recorded format. The technological side of this course is understanding several programs such as Pre-Sonus Studio One or similar based mixing and mastering programs.

Global Community Citizenship (Semester Course) **Grade Levels: 9-12**

Prerequisite: None

This course is designed to explore the values and diversity of our local, national, and global communities. Students will identify and discuss issues, events, and essential questions relevant to the community which will allow them to understand their role in demonstrating civic virtues. Students will consider the cultural and technological influences that have shaped our modern society and consider how these impact their social options in the future.

Personal Financial Literacy (Semester Course) **Grade Levels: 9-11**

Prerequisite: None

In this course, students will learn the knowledge and skills necessary to implement beneficial personal decision-making choices; becoming successful, knowledgeable consumers, savers, investors, users of credit and money managers, and be participating members of a global workforce and society. Topics may include, but are not limited to: behavioral finance, taxes, checking, saving, paying for college, types of credit, managing credit, investing, insurance, and budgeting.

Honors Art History **Grade Levels: 9-12**

The History of Arts semester course examines the development of art across time and cultures, from prehistoric to modern times. We will view and discuss the progression of all mediums, including painting, sculpture, architecture, and photography, including works from different periods, including the Renaissance, Impressionism, Pop-Art, and Modernism among others. Art History explores how society and culture evolve and impact the art created by different people in different times, and how traditions evolve and inform new ideas. The class is discussion based and includes in-class projects to allow students to experience some of the techniques and styles covered in our course content.

Honors Rock ‘n’ Roll Music History **Grade Levels: 9-12**

The History of Rock ‘n’ Roll, a semester based elective, is an in-depth study of the origins of popular music in the 20th century and the social and historical context that gave birth to it and related genres and musical offshoots. From blues and country to punk and heavy metal, students will familiarize themselves with landmark artists, groups, music, and movements of different periods, exploring connections between the music and the societal events and influences that shaped them. They will also be encouraged to make connections between artists from the past and the popular music of today.

Internal Internship Course **Grade Levels: 10-12**

LMP is excited to offer an Internal Internship full-year course where students will be paired with LMP staff and faculty experts working across various fields. Accepted students can expect application of education and career exploration, will gain experience and increase marketability, and will receive networking opportunities with field experts. Student interns will learn how to work in a professional environment, build their resume, receive professional feedback, and gain leadership skills. Students will need to complete an application and be selected to participate in this course opportunity.

TECHNOLOGY ELECTIVE COURSE DESCRIPTIONS

Computer Coding and Programming **Grade Levels: 9-12**

Prerequisite: None

This course introduces students to the central ideas of computer science and programming. Students will develop computational thinking that is vital for success across multiple disciplines. Through a student-centered and project-based curriculum, students will design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life.

Robotics I **Grade Levels: 9-12**

Prerequisite: None

Students will learn about robotics engineering, basic computer programming skills, and key STEAM (Science, Technology, Engineering, Art, and Math) principles in this student-centered and project-based course. Major topics include project management, computational thinking, Computer Aided Design, and mechatronic principles. In the culminating unit of this course, students will demonstrate their acquired knowledge with a final project of their own design using Lego Mindstorm EV3 Kits.

Robotics II **Grade Levels: 9-12**

Prerequisite: Robotics 1

This course will build upon the key STEAM principles learned in Robotics 1 and apply them more effectively to the VEX EDR platform by competing in VEX Robotic Competitions. In order to accomplish this, students will learn basic Python and C programming. Students will learn more about drafting, design, and basic circuit design. For the final project, students will design an Arduino based robot that will accomplish a specific task of the students' choosing. Students will 3D print the parts needed to complete these robots.

AP Computer Science A **Grade Levels: 10-12**

Prerequisite: Computer Coding and Programming or Teacher Recommendation AP Computer Science A is equivalent to a first-semester, college level course in computer science. The course introduces students to computer science with fundamental topics that include problem-solving, design strategies and methodologies, the organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems.

AP Computer Science Principles **Grade Levels: 9-12**

Prerequisite: Teacher Recommendation

This course is designed to be equivalent to an introductory college computing course. Students will develop computational thinking skills vital for success across all disciplines such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts

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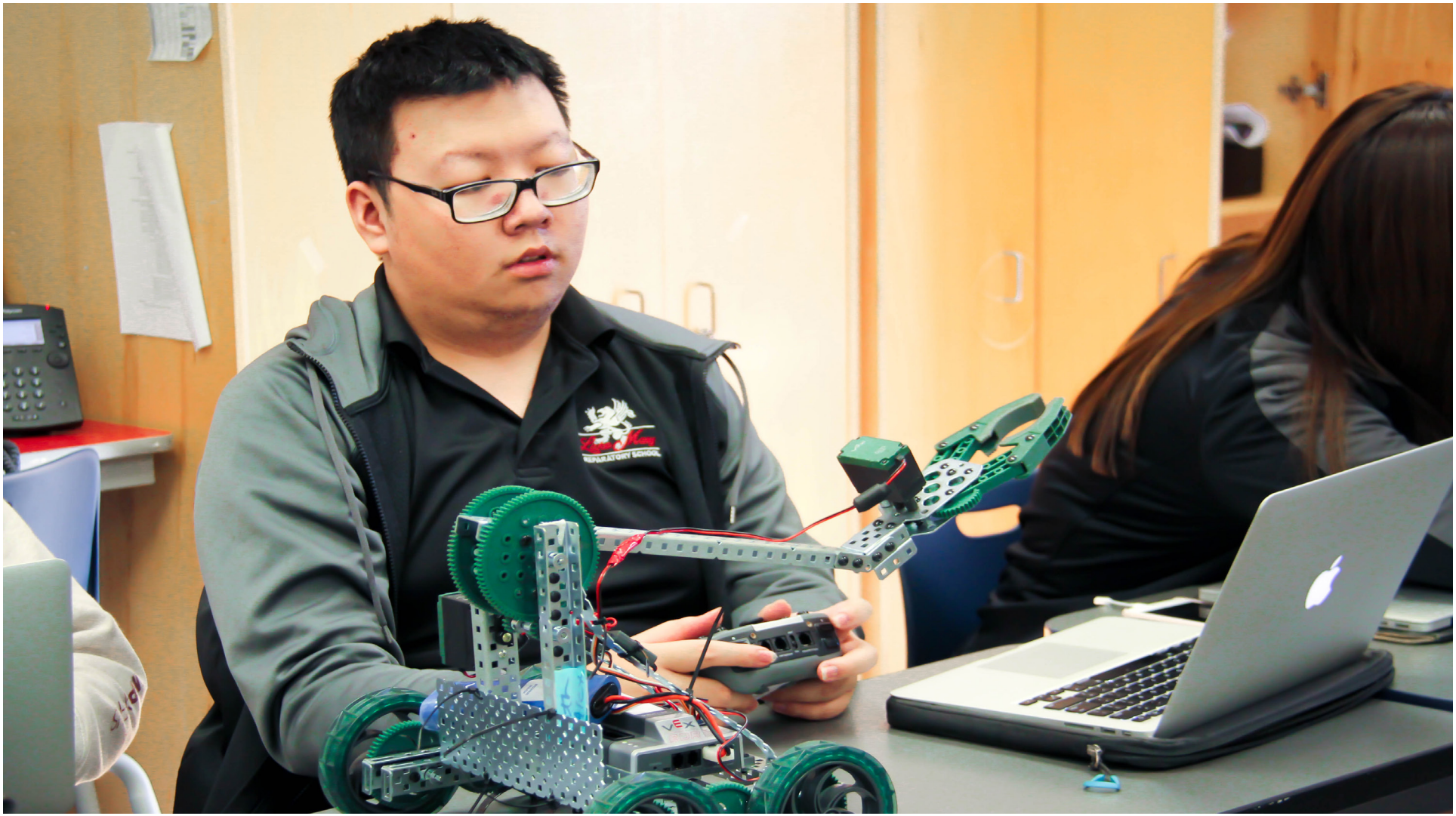
based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discuss, and write about the impacts these solutions could have on their community, society, and the world. Students will be introduced to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. This course will give students the opportunity to use technology to address real-world problems and build relevant solutions. This course culminates with students completing the AP assessment.



PHYSICAL EDUCATION COURSE DESCRIPTIONS

Sports Medicine I-IV **Grade Levels: 9-12**

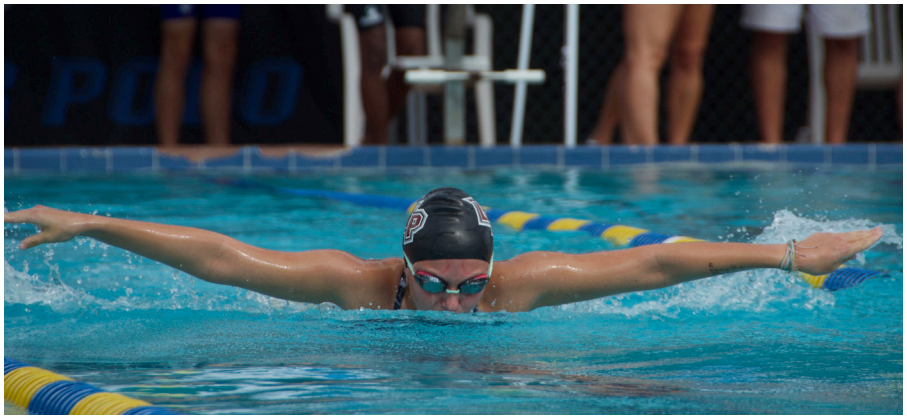
Prerequisite: None

This course allows students to explore the career options associated with Athletic Training and Sports Medicine. Students acquire knowledge of basic anatomy, the healing of tissues, and a variety of sports and non-sports injuries. Students will also learn methods for injury prevention as well as hands-on practice with taping, wrapping, and utilizing protective equipment. Students will be on the sidelines of many Lake Mary Prep athletic events, which allows them to put classroom learning to work in a real-world setting. Students will develop knowledge of medical terminology and the body's anatomy. The effects of nutrition and psychology on the recovery process in athletes is also examined.

Physical Education **Grade Levels: 9-12**

Prerequisite: None

Our physical education courses provide an opportunity for students to learn about how to achieve and maintain an active, healthy lifestyle through a variety of exercises and team sports. Students will be tested physically through a number of different exercises with an emphasis on improving overall strength, speed, and agility throughout the year. As students participate in a variety of sports, they learn teamwork and enhance problem-solving skills in a competitive environment. Students are given an opportunity for personal improvement every day with a goal of bettering themselves.

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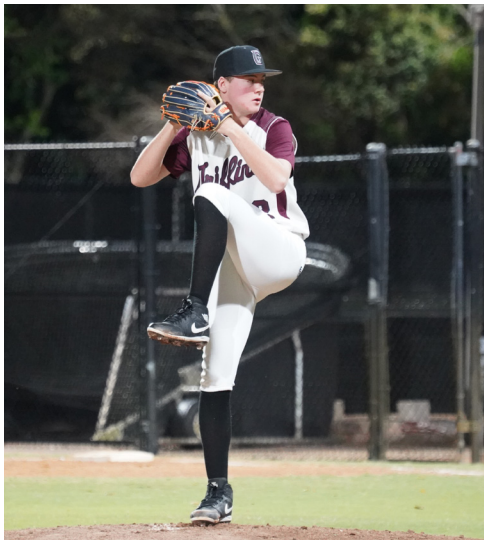


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