

LAKE MARY
PREPARATORY SCHOOL



MIDDLE SCHOOL CURRICULUM GUIDE

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MESSAGE FROM THE PRINCIPAL

Lake Mary Preparatory’s Middle School offers students in 6th through 8th 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.

MISSION & VISION

At Lake Mary Preparatory School, 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 PreK 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 the 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 academic success and become responsible global citizens.



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.





SOCIAL AND EMOTIONAL LEARNING (SEL)

At Lake Mary Prep, 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 enriches 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

We believe that technology complements face-to-face instruction in order to enhance the learning experience. 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.

Recommended Laptop Specifications:

- Operating System: Apple MacOS 11 or newer, Microsoft Windows 10
- Chromebooks or laptops running Chrome OS have been found to be incompatible with certain educational websites and are therefore 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

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

- 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



For more information regarding Laptop and Technology Requirements, please contact Mr. Jeff Buyna via email at jeff.buyna@lakemaryprep.com or at 407-805-0095 ext. 338.

LANGUAGE ARTS COURSE DESCRIPTIONS

HONORS LANGUAGE ARTS

Grade Levels: 6 - 8

This course prepares students by strengthening critical reading, writing, speaking, listening and language competencies using literary and non-fiction texts from a variety of genres. Reading comprehension, fluency, and higher-order analysis are continually practiced for proficiency through various novel studies, book clubs, research, and authentic assessments. Formal writing skills are developed with logical structure, making claims, citing evidence, and producing reasonable inferences while elevating vocabulary in essays. Creative writing, through narratives, poetry, free writes, and reflections allow expression and deeper thought to flourish. Language awareness is enhanced by investigating context, connotation, literal, and figurative meaning of terms as well as utilizing proper grammar and mechanics. Speaking and listening abilities emerge through student presentations, performances, discussions, and peer-led conferences. Student voice is encouraged and praised in choosing how to convey knowledge and understanding of material and literary elements analyzed.

WRITING WORKSHOP

Grade Level: 6

In this engaging and dynamic Writing Workshop, students will develop key writing skills through both narrative and explanatory writing. The course will give students the opportunity to explore and refine their writing techniques in a structured, supportive environment. Students will strengthen their ability to respond thoughtfully to literature and poetry by crafting literary analysis essays that incorporate text-based evidence. By the end of the workshop, students will be confident in their ability to craft clear, effective essays, respond to texts with thoughtful analysis, and communicate their ideas persuasively.



MATHEMATICS COURSE DESCRIPTIONS

HONORS MATH 1

Grade Level: 6

Students will learn mathematical skills focusing on numerical reasoning using problem-solving, technological interaction, and critical thinking. This course concentrates on using concepts of ratios, rates and percent, understanding division of fractions, introducing expressions and equations, and understanding of statistical reasoning. The performance of all four operations will be explored with integers, positive decimals and fractions with procedural fluency.

HONORS MATH 2

Grade Level: 6-7

Students will learn mathematical skills recognizing that fractions, decimals, and percentages are different representations of rational numbers. Students will create equivalent expressions and will solve equations and inequalities. The application of proportional relationships in two variables will be practiced. The representation of categorical and numerical data will be developed with probability.

HONORS PRE-ALGEBRA

Grade Level: 6-8

Students will learn mathematical skills focusing on an integrated approach to Algebra and Geometry. The concepts include integers, fractions, rational numbers, scientific notation, functions, graphing, two-dimensional and three-dimensional figures. Critical thinking skills will be used to create linear relationships including modeling an association in bivariate data. Students will solve linear equations, inequalities, and systems of equations. The Pythagorean Theorem will be analyzed in triangles using distance and angles.

HONORS ALGEBRA 1

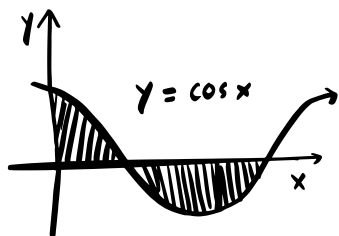
Grade Level: 7-9

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.

HONORS GEOMETRY

Grade Level: 8-10

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.



$$\left(\sqrt[n]{a}\right)^m = \sqrt[n]{a^m} = a^{\frac{m}{n}}$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

SOCIAL STUDIES COURSE DESCRIPTIONS

HONORS ANCIENT CIVILIZATIONS

Grade Level: 6

Students will explore ancient civilizations from around the globe and learn how their past achievements continue to impact the world today. Students will study the geography, culture, history, economics, religion and relationships among cultures to trace the course of human advancement throughout history. The course will introduce students to the people of the Prehistoric era, Mesopotamia, Egypt, India, China, Greece and Rome. Students will critically analyze the contributions from these past civilizations through hands-on projects, written assignments, and classroom discussions to bring history to life.

HONORS WORLD GEOGRAPHY

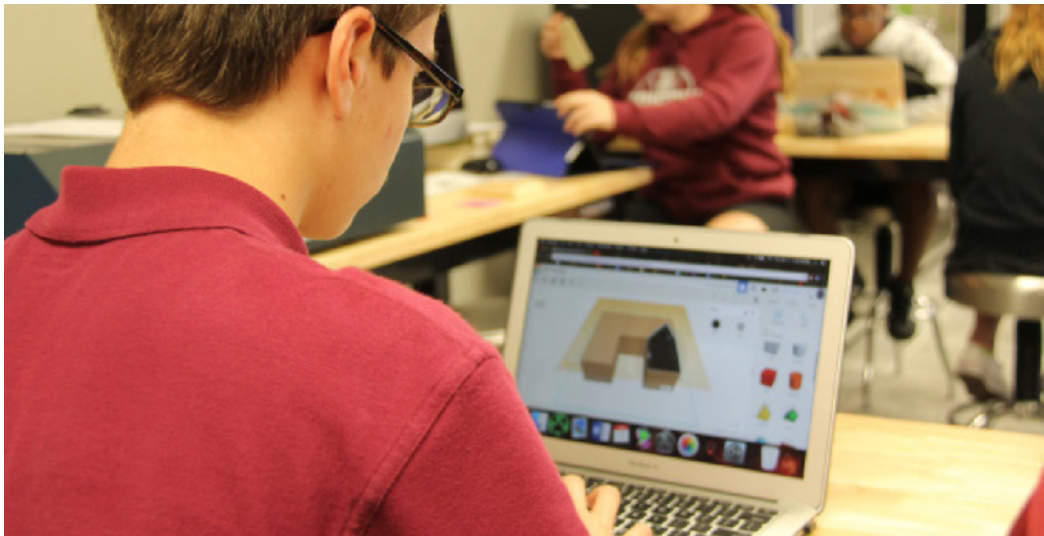
Grade Level: 7

Using a geographic inquiry approach, students will come to understand and appreciate their own place in the world among Earth's wide diversity of environments and cultures. Geographic reasoning rests on deep knowledge of Earth's physical and human features, including the locations of places and regions, the distribution of landforms and water bodies, and historic changes in political boundaries, economic activities, and cultures. Students will develop skills in asking and answering questions, be able to apply geographic representations through mapping and imagery, evaluate sources and use evidence to support their claims, effectively communicate conclusions, and take informed action.

HONORS AMERICAN HISTORY

Grade Level: 8

In this course, students will explore events that shaped our nation from the arrival of its earliest people to the Civil War. Students will examine periods of history from varying historical perspectives. An emphasis is placed on the development of research, writing, and presentation skills. Analysis of primary sources and documentaries as well as various projects and group activities reinforce key concepts. Students will participate in the National History Day Competition and will develop an indepth research project based around a National theme.



SCIENCE COURSE DESCRIPTIONS

HONORS INTEGRATED SCIENCE

Grade Level: 6-8

Teachers guide students' learning experience by revolving inquiry-based explorations around intriguing and engaging natural phenomena. Students learn key scientific concepts by investigating the relevant branches of science including Life, Earth/Space, and Physical/Chemical. Lessons are designed to generate student questions, explanations, and ideas for investigations that motivate learning. Students work together collaboratively as they develop the skills to design investigations and find solutions with the teacher working alongside as a facilitator; helping elicit ideas, coordinating collaboration, and supporting investigations, resulting in deep conceptual understanding. This storyline approach to learning science provides a coherent path toward building ideas piece by piece, anchored in students' own questioning.



WORLD LANGUAGE COURSE DESCRIPTIONS

CHINESE 6

Grade Level: 6

This semester survey course focuses on basic language skills for students to begin speaking and writing in Chinese. Students learn Chinese through pinyin, a Romanesque form of the language, and simplified characters. The course builds a familiarity with the language and students participate in activities to develop an awareness of Chinese customs and culture.

CHINESE 1A

Grade Level: 7

In Chinese 1A, students start to develop listening, speaking, reading, and writing skills. They will learn about 200 basic vocab words and practice how to use correct stroke order to write characters. By the end of this course, students will use basic sentences to introduce themselves and greet others.

CHINESE 1B

Grade Level: 8

In Chinese 1B, students will continue to develop listening, speaking, reading and writing skills. This course focuses on themes that are relevant to everyday lives of students. The teaching of characters and character formation continues to be incorporated into lessons.

SPANISH 6

Grade Level: 6

This semester survey course exposes students to the Spanish language and culture. This course sets a foundation for students' comprehension skills in Spanish through listening, reading, writing and speaking activities. Students participate in collaborative projects to develop their oral and written skills.

SPANISH 1A

Grade Level: 7

This course develops comprehension skills in Spanish through listening and reading activities. The course will also develop students' ability to use Spanish to express themselves orally and in writing. Knowledge and appreciation of the diverse cultures of the Spanish speaking countries are emphasized. By the end of this course, students will begin to communicate with some phrases in Spanish and understand short texts when reading.



SPANISH 1B

Grade Level: 8

This course will develop students' comprehension skills in Spanish through listening and reading activities. By the end of the course, students will be able to understand ideas, grammatical details, and parts of speech. Students will be able to read and understand short texts. The course will also develop the student's ability to use Spanish to express themselves orally and in writing. The teaching of Hispanic culture, comparisons with the English language, and connections with other disciplines are also integrated into the curriculum. Eighth-grade students receive a high school credit for Spanish 1B.



ELECTIVE COURSE DESCRIPTIONS

Fine and Performing Arts

IGNITE: ARTISTIC CREATIVE EXPRESSION

Grade Level: 6-8

This course introduces middle school students to the foundations of visual arts. Through hands-on studio practice and exploration of 2D and 3D design concepts, students will engage in a variety of mediums to create a portfolio that showcases their creative development. Emphasis is placed on understanding the elements of art and principles of design while exploring the cultural impact of art across history. Students will refine their artistic skills, participate in peer critiques, and develop their vocabulary and critical thinking in the arts.

RESONATE: BEGINNING BAND

Grade Level: 6-8

In this course, students will discover the joy of making music as they embark on their musical journey. This course introduces students to the fundamentals of music theory, instrument selection, and instrumental performance. Through engaging lessons and hands-on practice, students will develop foundational skills on their chosen band instrument. By spring semester, students will build upon these skills to more complex symphonic band pieces/ Students will participate in on-campus performances, building confidence and performance experience. Students will participate in multiple performances, including concerts, pep rallies, and home football games. Attendance at after-school events is required to achieve a cohesive and polished group performance.

HARMONIZE: THE ORCHESTRAL EXPERIENCE

Grade Level: 6-8

In this course, students will immerse themselves in the world of string orchestra music, refining their skills on violin, viola, cello, or bass. Through ensemble practice, they will work together to create seamless harmony and cohesion, interpreting a wide variety of orchestral works. This course will emphasize collaboration and musically. Students will perform both on and off campus, in daytime and evening performances while showcasing their growth as musicians and as part of a collective whole. Students should already have basic proficiency on their chosen instruction and reading music for this class.

LIFT: BEGINNING CHORUS

Grade Level: 6-8

In this course, students explore the power of the human voice as they learn to sing with confidence and expression. Students are introduced to the essentials of vocal technique, including breathing, posture, tone, and pitch, while also developing the ability to read and interpret music. Through collaborative rehearsals, students learn how to listen, blend, and contribute to a unified ensemble sound. As the year progresses, singers will take on more challenging repertoire and expand their range, independence, and musicality. Students will share their growth through on-campus performances, gaining experience and confidence on stage. Participation in scheduled performances is an essential part of the course, supporting both individual growth and the success of the ensemble.

PERFORM: THE ART OF THEATER

Grade Level: 6-8

This course invites students to step into the world of stagecraft, exploring the four essential pillars of theater- script analysis, performance, directing, and design. Through contemporary scripts, improvisation, and audition preparation, students will refine their acting skills while also diving into the creative process behind set, lighting, and costume design. Collaboration is key as students take on production-oriented challenges, provide meaningful critiques, and bring compelling performances to life. Whether onstage or behind the scenes, students will gain the confidence, adaptability, and artistry essential to theatrical storytelling.

Outdoors/Wellness/Leadership

CHALLENGE: PHYSICAL EDUCATION

Grade Level: 6-8

This course offers students the opportunity to enhance their physical health and fitness through a combination of exercises and team sports. Focusing on improving strength, speed and agility, students will participate in various activities that challenge their physical limits and track their progress with regular fitness components. As they engage in team sports, students will develop teamwork, communication, and problem-solving skills in a competitive setting. The course provides a change for personal growth and encourages students to build healthier, active lifestyles.

HOPE: PHYSICAL EDUCATION

Grade Level: 8

Prerequisite: None

In this course, students will gain an understanding of the body's systems and how their choices impact overall health and fitness socially, emotionally, and physically. HOPE will also address nutrition, the effects of drugs and alcohol, stress management, the musculoskeletal system's growth through adolescence, and basics of anatomy as it relates to sex-ed, HIV/STD prevention, and reproduction. The physical education component of HOPE will be fulfilled actively in the gym, on the field, and in the weight room as students learn and participate in a variety of sports and activities throughout the year. This course is a high school credit.

EXPLORE: BACKYARD ADVENTURE

Grade Level: 6-8

Trade your desk for the great outdoors in this hands-on, adventure-filled class! Spend your time exploring The Backyard, having fun outside, and trying new things with your friends. Build real-world outdoor skills like kayaking, camping, and navigating trails—all while exploring everything nature has to offer.

Along the way, you'll discover local plants and animals and help take care of the spaces around you by restoring habitats and making a real impact. If you love being outside, being active, and adventure, this is your kind of class!



Digital Arts

PROGRAM: CODE & DEVELOP

Grade Level: 6-8

This course emphasizes the development of computer science and engineering skills. Students will explore the origins of robots and robotics, learn to design and build various robotics components, learn basic computer programming skills, and create their own sophisticated robots using LEGO MINDSTORMS robotics kits. In the culminating unit of this course, students will demonstrate their acquired knowledge of coding and robotics through a final project of their own design.

PRODUCE: TV & FILM FUNDAMENTALS

Grade Level: 6-8

Step behind the camera and bring stories to life in this hands-on introduction to video production. 7th and 8th grade students will learn the fundamentals of story-telling, scripting, story-boarding, shooting, and editing while working on projects such as interviews, commercials, music videos, and public-service announcements. An emphasis is placed on film etiquette, critique, and professional production techniques. Through a creative and technology-driven environment, students will develop technical skills and a filmmaker's eye, producing high quality content with respect for deadlines.

PUBLISH: THE LEGACY YEARBOOK

Grade Level: 8

Join the team that creates The Legacy-LMP's official yearbook. In this hands-on class, 8th-grade students will take photos, write stories, and design pages that capture the people, events, and memories of the school year. You'll learn how to use digital tools to create professional-looking layouts and sharpen your skills in photography, writing, and design. As a part of a real publishing team, you'll also practice important life skills like working with others, staying organized, managing deadlines, and taking responsibility for your work. You'll even help make decisions about what goes into the yearbook and how it all comes together. Some work outside of class, such as taking photos at school events, may be required.



Lake Mary Preparatory School • 650 Rantoul Lane, Lake Mary, FL 32746 • Lakemaryprep.com • 407-805-0095
Accredited by FCIS, SAIS, and AdvancED

Lake Mary Preparatory School (LMP) admits students of any race, color, gender, religion, sexual orientation, and national or ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. LMP does not discriminate on the basis of race, color, gender, religion, sexual orientation, and national or ethnic origin in administration of its employment practices, educational policies, admission policies, scholarship and loan programs, and athletic or other school-administered programs.