



Lyndhurst Middle School | THE SUMMER SERIES – July 13, 2022

2nd Edition – Reminders and Core Curriculum

There are a few ways that all students can prepare for a successful school year this summer! First, 6th grade families, please remember to email your child's immunization and physical records according to this [form](#) if you have not done so already. A Physical Examination Form and Health History Questionnaire are attached, as well. All students, please remember to do your Summer Reading – check out all of the book choices and assignments [here](#).

This edition will focus on the Core academic curriculum with which your child will engage this upcoming school year. The subjects include English Language Arts, Mathematics, Science, Social Studies, Spanish (half year in 6th/7th grades) and Physical Education/Health, all of which are aligned to the NJ Student Learning Standards. Courses meet 3 out of the 4 day cycle for the entire year within an am/pm rotating schedule. Those in 6th/7th grades will also take a half year of Computer Apps and Financial Literacy respectively.



ENGLISH LANGUAGE ARTS

Students will be enrolled in either their grade level ELA course or an advanced course, where they will experience instruction that integrates various literary genres with speaking, listening, writing, reading and viewing skills to develop literacy. Students will learn to appreciate a variety of literature while developing higher order thinking and communication skills. The class helps promote various instructional methodologies including an emphasis on collaborative learning and independent fiction/non-fiction reading. Students will be involved in a number of long and short-term assignments that will help prepare them for the following grade level. Those in need of additional assistance may be enrolled in LA Skills, a class that provides a supplemental back-to-basics approach within a small group setting with the same teacher.



MATHEMATICS

Students will be enrolled in their grade level Math course or an advanced one, where they will apply computation skills to real world problems, analyze data to make connections and understand the cumulative nature of number study. The focus in 6th grade is fractions, ratios and probability. In 7th grade, students begin to compare geometric figures, expanding their knowledge base. By 8th grade, students investigate linear, inverse, exponential, and quadratic relationships, as well as inequalities. In addition to such investigations, Algebra students will graph linear equations/inequalities, model exponential functions and solve quadratic equations. Those in need of additional assistance may be enrolled in Math Skills with the same teacher.



“No thief, however skillfull, can rob one of knowledge, and that is why knowledge is the best and safest treasure to acquire.”

L. Frank Baum

SCIENCE

As part of the online Science program called Amplify, students will be empowered to think, read, write and argue like real scientists as they participate in hands-on investigations, analyze data and imagery-rich materials and interact with digital tools. In sixth grade, students will explore geology, plate motion, rock transformations, the Earth, moon and sun systems, our ocean, atmosphere and climate, as well as weather patterns. In seventh grade, students will focus on chemical reactions, earth systems, taxonomy, reproductive body systems and force and motion. And in eighth grade, students will take a detailed look at cell structure and function, organization of energy flow and matter in organisms, inheritance and variation of traits, selection and adaptation, the electromagnetic spectrum, weather and climate and human impact on the environment. Woven through the curricula at all levels is an understanding of measurement, the scientific method and CER development.

SOCIAL STUDIES

Throughout their middle school years, students will engage in a comprehensive exploration of various topics designed to challenge them to appreciate relevant articles and related materials and cultivate a desire for further research. In sixth grade, students study early humans before analyzing the development of Egypt, India, China, Greece and Rome as spheres of influence that affect the world today. Students will engage in research and writing to explore such topics. In seventh grade, students learn the history of the United States from its inception through colonial development and expansion and the Revolutionary War and in eighth grade, the program continues with westward expansion, the Industrial Revolution, the Civil War and Reconstruction, as well as the evolving politics involved at each stage. At all levels, students will interact with both primary and secondary sources through the DBQ Project, classroom research and outside reading, which will be used to develop written pieces on the aforementioned topics.



SPANISH/BUSINESS APPS

Students are encouraged to understand and appreciate Spanish language/heritage/culture throughout their time at LMS. For half of 6th grade, students will be introduced to vocabulary and the history of Spanish-speaking countries. The other semester will be spent in Computer Applications, learning the basics of Word, Excel, PowerPoint and the Google Suite. In the semester of 7th grade Spanish, students will learn commonly used phrases as they practice dialogue and develop an understanding of Latinx influence worldwide. They will also take a semester of Financial Literacy to learn money management and budgeting. By eighth grade, students will be enrolled in a full-year Spanish course, acquiring the necessary vocabulary to participate in a study of the family, community, routines, customs and social/recreational activities of the people of various Spanish-speaking countries.



PHYSICAL EDUCATION/HEALTH

For three marking periods each year, students will engage in physical activity through skill development, calisthenics/aerobics, team/individual sports and cooperative games, through which they will understand the benefits of good nutrition and an active lifestyle. A number of units allow for students to utilize the outdoor facilities and fields during their PE classes.

Students will be in a classroom setting for Health class for one marking period each year where they will explore topics including, but not limited to, social relationships, decision-making skills, human growth/development, reproduction/family planning, drugs, alcohol and tobacco, personal development, dating, sexually transmitted diseases, child abuse and suicide prevention.



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