



7th Grade Elective Form

CLASS OF 2030

MUST BE COMPLETED AND TURNED INTO SCIENCE CLASS BY FRIDAY, APRIL 5, 2024

Student Name: _____

Last, First

If you know for certain that your student will NOT be attending LMS next year, check the box and sign below. Do not complete any other part of this form.

☐ My student will NOT be attending Lincoln Middle School next year

Parent/Guardian Signature: _____

Required classes for all 7th graders

Science – full year

Elective Choice - 2 semesters or full year

Social Studies – full year

*Taught in a 3-
period block*

Math – full year (recommended by current teacher)

Language Arts/Reading – full year

Fitness, Movement, Sport, and Health (FMSH)

Semester One Electives (rank 1-3)

+

Semester Two Electives (rank 1-3)

	Art: Mixed Media		Art: Drawing and Painting
	Computer Science for Innovators & Makers		Design and Modeling (Tech)
	Gateway to Technology A (Automation and Robotics)		Gateway to Technology A (Automation and Robotics)
	Leadership		Leadership
	Digital Design		Digital Design

[or] Yearlong Elective Courses (Takes the place of a semester course selection)

	7 th Grade Band (prerequisite 6 th grade band or prior instrument experience)
	7/8 th Concert Choir
	7 th Grade Orchestra (prerequisite 6 th grade orchestra or prior instrument experience)

I have reviewed and approved these course choices. I have read the course description for these courses. My signature acknowledges that I understand that my student will be held to yearlong course choices once the school year is underway.

Parent/Guardian Signature: _____

GRADE 7 REQUIRED COURSE DESCRIPTIONS

2024-2025

MATH COURSES:

MATH 7: This course teaches in-depth the 7th grade mathematical standards that are aligned with the Common Core Standards. Instructional time will be focused on four critical areas: (1) developing an understanding of and applying proportional relationships; (2) developing an understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

MATH 7/8: This class is offered to qualifying grade 7 math students who have successfully completed math 6/7 in 6th grade. The instructional time during this class will focus on a condensed version of the Math 7 and Math 8 mathematical standards in preparation for taking Algebra in 8th grade. See descriptions regarding Math 7 and Math 8 in this course description.

ENGLISH / LITERATURE BLOCK CLASS: This class is designed to provide students with an integrated approach to learning language arts and literature. This program will emphasize effective communication through reading, writing, speaking, and listening as the students better understand themselves and others. Organization, study, and keyboarding skills will be reinforced throughout the year. In addition to the literature anthology, the students will read *The Outsiders* and the graphic novel *March* as special literary units.

SOCIAL STUDIES: This course will cover world societies from 476 CE to 1450 CE. Societies covered will include European, Middle Eastern, and African kingdoms. Additionally, this course includes exposure to Washington State History (WSH). Successful completion of WSH will comply with the Washington State High School Graduation Milestone requirement.

SCIENCE: Seventh-grade science is a year-long, lab-based course covering the three branches of science: Physical, Life and Earth & Space. Physical Science involves chemistry and how atoms are the building blocks of everything on Earth. Life Science explores microscopic cells and macroscopic ecosystems. Earth Science investigates how humans affect those ecosystems. While learning the science behind those topics, we strengthen our Science and Engineering Practices (SEPs) including making observations, interpreting data and asking questions. These are aligned with Next Generation Science Standards as adopted by Washington State.

FITNESS, MOVEMENT, SPORT & HEALTH (FMSH): The purpose of Fitness, Movement, Sport and Health at Lincoln Middle School is to create a safe environment for students to take positive risks, demonstrate their knowledge in a variety of activities that promote healthy and fit lifestyles, and to understand the benefit of purposeful movement. Students will also learn accurate health information that encourages positive life choices and influences, and demonstrate growth in their knowledge, understanding, and application of the Washington State Physical Education and Health Education Standards and important concepts.

GRADE 7 ELECTIVE COURSE DESCRIPTIONS

2024-2025

SEMESTER-LONG COURSES

LEADERSHIP: This class focuses on leadership attributes that can be identified, modeled, and taught. The class is primarily experiential-learning-based and emphasizes the importance of communication, character, personal growth, and building strong relationships and teams. Students will plan assemblies, fundraisers, and other school activities based on their interests. Class participants must be able to work independently in a manner that appropriately represents Spartan student leaders.

MIXED MEDIA ART: (1st semester only) This course is designed for hands-on learners who like to explore and create. This semester, we will continue to learn about the Art Elements and build our knowledge of the Principles of Design and Composition. Students will work with a variety of materials such as wood, fabric, recycled materials, collage, and more. Topics may include public art, music and visual art, environmental issues, social issues, and more. Students will develop works that help them explore their world and their creative expression.

DRAWING & PAINTING: (2nd semester only) This course is designed for students who like to explore and create while learning drawing and painting techniques. Students will continue to learn about the Art Elements and build knowledge of the Principles of Design and Composition. Students will work with a variety of drawing, watercolors, and acrylic paint mediums. Topics will include basic color theory, color mixing composition, and visual communication.

COMPUTER SCIENCE FOR INNOVATORS & MAKERS: (1st semester only) Students are challenged to creatively use sensors and actuators to develop systems that interact with their environment. Designing algorithms and using computational thinking practices, students will code and upload programs to microcontrollers that perform a variety of authentic tasks. This course will broaden students' understanding of computer science concepts through meaningful applications. Students will work in teams and work through a simulation related problem involving wearable technology, interactive art, or a mechanical device. **Pathway to HS courses in Digital Electronics and Computer Science*

DESIGN AND MODELING: (2nd semester only) Students will be provided opportunities to apply the design process to creatively solve problems. Students learn to use methods for communicating design ideas through sketches, solid models, and mathematical models. Students will understand how models can be simulated to represent an authentic situation and generate data for further analysis and observation. In a simulation, teams will design a toy or game for a child with cerebral palsy, fabricate and test the design, and make necessary modifications to optimize the design. Students will design bridges, and model using 3D software, and print designs using 3D printers. **Pathway to Woodshop, Drafting, Metals*

GATEWAY TO TECHNOLOGY A (AUTOMATION & ROBOTICS): Students will develop skills within automation and robotics to improve daily life. Students investigate mechanical systems, motion, transfer, machine automation, and computer control systems. Students will learn about gear ratios and block-based coding to create robotic machines. Using the VEX® Robotics platform, students design, build, and program real-world devices, such as a food dispenser, a robot pet companion, and a transport system. **Pathway to robotics club (SEL)*

DIGITAL DESIGN: This Course will integrate Art, Computer Science, and Technology Skills. Students will learn the 8 elements of design, 12 principles of design, basics of industrial and graphic design, and fashion art. Students will use software including Adobe Express, Pixlr, and Canva to create business logos, fashions design, and presentation boards. **Pathway to Fashion and Digital design, Digital Media, Art.*

YEAR-LONG COURSES

CONCERT CHOIR 7/8: Concert choir will offer students an academic and choral experience devoted to training in vocal production, rhythmic styles, and ensemble singing. The widest selection of choral literature will be used, some of which involve student input.

ORCHESTRA 7: This class is for continuing string players. Rhythm, music reading and coordination, ensemble, a range of new keys, and responsible group membership are emphasized. Performances include a fall and spring concert as well as in-school assemblies and music festivals/trips.

BAND 7: This class continues the goals and objectives of the sixth-grade band. Students will learn advanced concepts regarding tone production, rhythm, intonation, musical styles, and technical aspects of the instruments.