

# Mayfield Middle School

## What to Expect in 7<sup>th</sup> GRADE



### Purpose of the Grade Level Guide

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- Provide parents a general overview of the content taught at each grade level
- Provide information regarding the district instructional materials used to teach the content
- Provide key communication tools that provide information on student progress
- Provide information regarding district testing
- List resources that can be used to gain additional information

### Language Arts

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The 7<sup>th</sup> grade Language Arts course covers the Ohio Learning Standards in English Language Arts for 7<sup>th</sup> grade. The English Language Arts Standards include reading standards for literature and informational text, writing standards, speaking and listening standards, and language standards. Reading topics covered include analyzing key ideas and details, analyzing the craft and structure, and integrating knowledge and ideas from multiple sources. Writing types covered include argumentative, informative/explanatory, and narrative writing. Speaking and Listening standards include demonstrating comprehension through collaborative discussions. Language standards include conventions of standard English and grade-appropriate vocabulary. Students will read across multiple genres through various thematic units. Expectations for text complexity and level of analysis increase from previous grade levels. Levels of 7<sup>th</sup> grade Language Arts classes include at level, intervention, and self-contained classroom (SCC).

**Materials/Programs:** *IXL* - online learning platform; *Lexia* - intervention platform; *Just Words* - intervention program

### Mathematics

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**7 Math** - The 7<sup>th</sup> grade Mathematics course covers the Ohio Learning Standards for Mathematics for 7<sup>th</sup> grade. Topics covered include operations with rational numbers, simplifying algebraic expressions, solving linear equations and inequalities, ratios and unit rates, percentages, proportional relationships, basic probability, statistical sampling and problem solving, and perimeter, area, surface area, and volume of basic geometric shapes. Incorporated into each of the content standards are the 8 standards of Mathematical Practice. A scientific calculator is required for this course. Levels of 7<sup>th</sup> grade mathematics include at level, intervention, and self-contained classroom (SCC).

**7 Accelerated Math** - The 7<sup>th</sup> grade Accelerated Mathematics course covers the Ohio Learning Standards for 8<sup>th</sup> grade mathematics. Topics covered in the course include understanding transformations, angles and triangles, linear functions, solving equations, understanding linear systems, using exponents and scientific notation, applying the Pythagorean Theorem, finding volume of circular shapes, and interpreting data analysis. Incorporated into each of the content standards are the 8 standards of Mathematical Practice. This accelerated course moves at a faster pace, allowing for enrichment and extensions on various several topics. A scientific calculator is required for this course.

**Algebra 1** - Algebra 1 covers the Ohio Learning Standards for Algebra 1. The focus for the course is quadratic expressions, equations, and functions, comparing their characteristics and behavior to those of linear and exponential relationships. The need for extending the set of rational numbers arises, and real and complex numbers are introduced so that all quadratic equations can be solved. The link between probability and data is explored through conditional probability and counting methods. Incorporated into each of the content standards are the 8 standards of Mathematical Practice. Algebra 1 is a high school credit course and is taught at the pace, depth, and rigor of a high school "honors" level course. A scientific calculator is required for this course and an online graphing calculator will be used.

**Materials/Programs:** *Big Ideas* - math textbook *IXL*, *Delta Math*, *Desmos* - online learning platforms

### Science

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The 7<sup>th</sup> grade Science course covers the Ohio Learning Standards in Science for 7<sup>th</sup> grade. Topics include continued development of science inquiry, layers of the atmosphere, the Hydrologic cycle, weather, energy transfers, conservation of energy, conservation of mass, eclipses, tides & phases of the moon, seasons, biome dynamics and energy flow, and matter transfer. Levels of 7<sup>th</sup> grade science include at level and self-contained classroom (SCC).

**Materials/Programs:** *Gizmos* - online learning platform

### Social Studies

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The 7<sup>th</sup> grade Social Studies course covers the Ohio Learning Standards in Social Studies for 7<sup>th</sup> grade. This content emphasized in this class includes Ancient Greece, Ancient Rome, the Middle Ages, and events of the Italian Renaissance. Levels of 7<sup>th</sup> grade social studies include at level and self-contained classroom (SCC).

## Electives

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In 7th grade, all students take one semester of the STEAM circuit and one semester of Skills for Adolescence circuit. Students also take Physical Education/Health and Wellness and music. Music is a student's choice of instrumental music or choir. P.E./Health and music are on an every other day (Green day/White day) basis. Based on academic need and data, students may take a Learning Lab or English as a Second Language (ESL) Immersion instead of either P.E./Health or music.

**7 STEAM Circuit** - The 7<sup>th</sup> grade STEAM circuit is an integration of art, digital communication, engineering and design. Each of these three areas has a dedicated teacher. The 7<sup>th</sup> grade STEAM circuit is a continuation of the 6<sup>th</sup> grade STEAM circuit, with students going into further depth in each of the areas. In the art portion, students continue to explore a variety of materials while implementing Elements and Principles of art. In the digital media portion, students continue to use technology to create audio/visual projects specific to student interest with audience and purpose in mind. In the engineering and design portion, students will expand their knowledge of three-dimensional designs encompassing the three main aspects of STEM: CODE, CAD, and BUILD. Throughout the semester, students will also work through a variety of integrated projects designed to bring together all the elements of STEAM.

**7 Skills for Adolescence Circuit** - The 7<sup>th</sup> grade Skills for Adolescence circuit is an integration of the social/emotional learning topics of communication and expression, self-awareness, and social awareness. Each topic has a dedicated teacher. The 7<sup>th</sup> grade Skills for Adolescence Circuit is a continuation of the 6<sup>th</sup> grade circuit. In the communication and expression portion, students continue to develop active listening, communication, executive function, and expression skills. In the self-awareness portion, students focus on knowing and understanding oneself and how one has changed since last year, appreciating diversity and differences in others, encouraging kindness, dealing with stress and managing emotions, and using the Holland code to develop greater self-awareness. In the social awareness portion, students focus on perspective taking, social media safety, empathy, and social awareness. Throughout the semester, students will also work on an integrated project that brings all three portions of the course together. This course was originally designed based on student input as to important topics to them and is adjusted based on ongoing student input.

**7 PE/Health** - 7th grade PE offers a wide variety of units that will include Football, Softball, Track, Volleyball, Basketball, Paddleball, Fitness, Soccer, Tchoukball, and elementary games. Gaining an understanding and appreciation for movement and staying active will be the main goal of this course. 7th grade health covers health topics that will aid students in middle school with communicating effectively, building their relationships with peers, and managing emotions. Students will continue learning about nutrition basics.

**7th grade Music (Choir or Instrumental Music)** - In 7th grade Choir, students focus on singing a wide variety of musical styles in two, three and four-part harmonies. Singing with healthy vocal technique and while navigating vocal changes continue to be a top priority in the curriculum of this class. In 7th grade instrumental music, will get the opportunity to continue their musical journey, including having their first experience with sheet music. Students in 7th grade Instrumental Music will have the chance to march in a halftime show with "The Pride of Mayfield" marching band.

## Communication with Parents

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The Learning Platform used at Mayfield Middle School is Schoology. Schoology is an online classroom where students interact with content, share and collaborate. Parents can use the platform to see student assignments and the learning that is happening in the classroom. Teachers also post in progress grades in Schoology.

Infinite Campus is the student information system that is used across the district. Finalized grades (report cards) will be posted in Infinite Campus. The annual OLR, school store, and absence requests are also entered through Infinite Campus

## District and State Testing

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Three times a year students will take the STAR Reading and STAR Math computer-adaptive assessments. STAR Reading and STAR Math provides insights regarding students' overall literacy/math achievement and growth. Throughout the year students will also keep current on the IXL Real Time Diagnostic assessment, working approximately 10-15 minutes per week in the IXL Diagnostic Arena. The IXL Real Time Diagnostic assessment provides information on the specific skills students have mastered or need growth. IXL also provides a personalized action plan for students based on the Real Time Diagnostic.

Students will take the [Ohio State Tests](#) in English Language Arts (ELA), Math, and Science. Click [here](#) to view the District Testing Calendar

## Resources

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For additional information regarding our curriculum and programs, please refer to the following resources:

[Mayfield Middle School Course Catalog](#)

[Mayfield Middle School Handbook](#)

Mayfield City Schools Website: <https://www.mayfieldschools.org/>

Ohio Department of Education Website: <http://www.ode.state.oh.us/>