

What to Expect in FIFTH GRADE

Purpose of the Grade Level Guide

- 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

Students in grade five continue to read with fluency and expression. They automatically choose a range of strategies to construct meaning from text including rereading for meaning, asking questions, visualizing, summarizing, predicting, and self-correcting. Students describe the defining characteristics of literary forms and genres, including poetry, drama, chapter books, biographies, fiction, and nonfiction. They build vocabulary and spelling strategies as they demonstrate understanding of a variety of writing forms such as letters, journals, directions, summaries, narratives, informational essays and dialogue. A goal for students is to write clear, precise, and interesting pieces using a formal writing structure while being attentive to details, mechanics, spelling and organization. Students use their viewing and listening skills to record important information in note form and to demonstrate an understanding of information and ideas through discussions, presentations, activities, and projects.

District Instructional Materials: *Just Words - Word Study; Lexia and IXL - Online Learning Platforms*

Mathematics

Fifth grade instructional time should focus on the following five critical areas: *Critical Area 1:* Developing fluency with addition and subtraction of fractions and developing understanding of the multiplication of fractions and of division of fractions in limited cases (unit fractions divided by whole numbers and whole numbers divided by unit fractions), *Critical Area 2:* Extending division to 2-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations, *Critical Area 3:* Developing understanding of volume, *Critical Area 4:* Modeling numerical relationships with the coordinate plane, *Critical Area 5:* Classifying two-dimensional figures by properties. The end of year expectation for fifth grade students is that they write and interpret numerical expressions; analyze patterns and relationships; understand the place value system; perform operations with multi-digit whole numbers and with decimals to hundredths; use equivalent fractions as a strategy to add and subtract fractions. (Fractions need not be simplified); apply and extend previous understandings of multiplication and division to multiply and divide fractions. (Fractions need not be simplified); convert like measurement units within a given measurement system; represent and interpret data; understand concepts of volume and relate volume to multiplication and to addition; graph points on the coordinate plane to solve real-world and mathematical problems; classify two-dimensional figures into categories based on their properties.

District Instructional Material: *Eureka - math curriculum Zearn, Relex and IXL- Online Learning Platforms*

Social Studies

Regions and People of the Western Hemisphere

In grade five, students study the Western Hemisphere (North and South America), its geographic features, early history, cultural development and economic change. Students learn about the early inhabitants of the Americas and the impact of European exploration and colonization. The geographic focus includes the study of contemporary regional characteristics, the movement of people, products and ideas, and cultural diversity. Students develop their understanding of the relationship between markets and available resources.

Science

The fifth grade science theme focuses on interconnections within systems. This theme focuses on helping students recognize the components of various systems and then investigate dynamic and sustainable relationships within systems using scientific inquiry. The Earth Science portion of the class will focus upon the characteristics, cycles, and patterns in the solar system and within the universe. The Physical Science portion will focus on the forces that affect motion. This includes the relationship between the change in speed of an object, the amount of force applied, and the mass of the object. Light and sound are explored as forms of energy that move in predictable ways, depending on the matter through which they move. The Life Science portion of the class will focus on foundational knowledge of the structures and functions of ecosystems.

Synergy

Fifth grade students will delve deeper into a topic of choice related to a personal passion. After developing essential questions they will research and present their findings. In STEM, students will work with a green screen, coding and complete design challenges. They will use their portrait of a graduate skills and knowledge of the Ecosystem standards to design a 3D printed species in TinkerCAD. Students will work on their keyboarding skills in Typing Club and improve their knowledge of Google Apps, Drive, bookmarks and extensions. Students will learn safe and appropriate use of the internet and how to be good digital citizens. Students will be exposed to a variety of print library books as well as digital and audio books through the use of SORA.

Visual Arts

Students in fifth grade will investigate careers in art, sculptures, and realism. Students dive into the possibilities of art career opportunities by exploring online examples of exemplary or famous products and student-selected, school-appropriate pop culture examples of art products from different careers. Scholars will use realistic rendering based on observation, creating the illusion of depth, space, and value. Developing a 3-D artwork from various angles, translating a 2-D image into a 3-D object, manipulating various 3-D media to create desired effects, exploration of clay-building techniques. Fifth graders will also endeavor cross curricular opportunities and independent studies.

Music

Students in fifth grade will be creating, performing, and responding to music and connecting music to other subject areas. Fifth graders explore music through listening, singing, dancing, moving and playing instruments in a variety of musical settings. The primary focus of fifth grade music is to sing in tune, demonstrate more complex rhythms and pitches, and read and write standard notation. Fifth graders also study the four families of western instruments, as well as composers from various historical periods of music. Classroom instrument playing may include ukuleles, spoons, recorders, boomwhackers, tambourines, rhythm sticks, hand drums, egg shakers, jingle bells, maracas, xylophones and triangles.

Physical Education

During the fifth grade year, time is spent on class procedures, improving fitness, and developing units that stretch over multiple class periods. Students in fifth grade participate in experiences that lead to development within the physical, cognitive, and affective domains. The physical domain focuses on movement skills, manipulative skills, and fitness. The cognitive domain enables students to start to understand and apply game strategy, develop concept knowledge, and to continue to refine critical elements of skill performance. Within the affective domain students learn about reasons to value being active and the importance of being a good sport and team member. The overarching goal is to continue to inspire an appreciation for an active lifestyle.

Communication with Parents

The Learning Platform used for fifth grade 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.

Infinite Campus is the student information system that is used across the district. Performance on assessments and classwork along with report cards will be housed in this system.

District and State Testing

Three times a year students will take the STAR Reading and STAR Math computer-adaptive assessments. STAR Reading is a comprehensive assessment that provides insights needed to guide literacy growth for emergent readers, struggling readers and high achievers. STAR Math assesses students' math skills over multiple domains.

Students will take the [Ohio State Tests](#) in English Language Arts (ELA), Math, and Science

The Measure of Academic Progress (MAP) will be administered to all fifth graders as a gifted and talented screener. MAP is an adaptive test which helps teachers, parents, and administrators improve learning for all students and assist them in making informed decisions that promote a child's individual academic growth. To learn more about gifted testing please visit Mayfield City Schools website [gifted](#) page.

Resources

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

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

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