
Assessments:

Assessment includes, but is not limited to observations, quizzes, tests, rubrics, scoring guides, NWEA computer assessment, and Michigan Statewide assessments, ELA, and math.

***Field Trips:**

Global Village at the Howell Nature Center (fall), the annual middle school ski trip to Mt. Holly (winter). Math Day at Comerica Park (spring).



*Subject to change.



Sixth Grade Curriculum

Reading

Writing

Math

Social Studies

Science

Spanish

Electives

Mission: To achieve individual academic success for all students through a positive family, school, and community partnership.

In accordance with the Michigan Grade Level Content Expectations, and the Common Core Standards, sixth grade students will...

Reading:

- Retell through concise summarization of both narrative and informational texts.
- Read to analyze author's craft and voice in reading selections with a universal theme.
- Use organizational structures to read and analyze informational text.
- Read novels and use a variety of strategies, including context clues, to determine the meaning of unfamiliar vocabulary in context.
- Students will participate in Reader's Workshop reading self-selected novels based on multiple genres throughout the year.



Writing:

- Plan and draft texts, revise and edit writing, and help others revise and edit their texts in such areas as content, style, and organization.
- Set a purpose, consider audience, and replicate authors' styles and patterns when writing a narrative or informational piece.
- Exhibit personal style and voice to enhance the written message in both narrative and informational writing.



Technology:

- Technology is integrated into all subjects through the use of the computer lab, classroom minilabs and mobile laptop labs.



Physical Education

- Demonstrate an exposure level of competency in sport-specific skills in individual, dual, and team sports, and recreational games.
- Meet standards on selected fitness activities that develop and maintain cardiorespiratory endurance, muscular strength, and endurance of large muscle groups, and flexibility of major joints.
- Identify lifelong physical activities that he/she enjoys, and summarize reasons why this activity is of value for physical fitness.
- Demonstrate on a daily basis, good personal/social character traits at least 85% of the time.



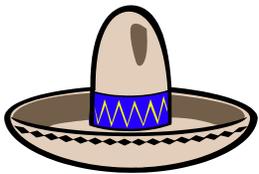
Science:

- Earth Science (understand the solid earth in terms of soil, rock formations, plate tectonics and the magnetic field of the earth). Students will also study Earth in space and time focusing on fossils and geologic time.
- Life (understand the functions and structures of cells, understand the behavior and regulation of living things, explain the behavioral interactions of plants and animals within an ecosystem, explain the difference between producers, consumers and decomposers). We will also work with genetic studies and heredity.
- Plants will be studied this year in the form of an orbital study. This study will focus on the plant kingdom, photosynthesis, seed plants, plant resources and growth. This portion of the yearly studies will take place in our state of the art greenhouse.
- Viruses and bacteria will be our focus for a portion of the year. We will investigate sponges, cnidarians, worms, mollusks, and arthropods.
- Science Fair will be completed during this school year. Students will investigate and test their selected topic.



Spanish:

- Topics studied include: School, feelings/places, clothing and family
- Understand predictable questions and commands.
- Grammar concepts include: conjugating “ar”, “er”, “ir” verbs in present tense and popular future.
 - Read a chapter book (40+ pages).
 - Strive to verbalize using sequential sentences.
 - Integrate known vocabulary into simple sentences and short paragraphs.



Writing Cont'd:

- In the context of writing, correctly spell frequently encountered and often misspelled words.
- In the context of writing, correctly use style conventions (MLA) and a variety of grammatical structures.



Speaking:

- Adjust students' use of language to communicate effectively with a variety of audiences and for different purposes by asking and responding to questions and remarks to engage the audience when presenting.

Listening:

- Formulate questions which require a speaker to clarify meaning, analyze, and synthesize information.
- Recognize and apply effective listening strategies.
- Provide a summary of the ideas, opinions, and facts delivered by a speaker.
- Relate a speaker's verbal communications (e.g. tone of voice) to the non-verbal message communicated (e.g., eye contact, posture, and gestures).

Research:

- Recognize appropriate, accurate, and available resources for investigating specific questions or topics.
- Determine which information is found in an atlas, thesaurus, almanac, index, bibliography, dictionary, timetable, and telephone directory.

Social Studies Strands studied:

- Civics and Government (understand the democratic process, draw conclusions about different types of governments, describe key arguments on the necessity of government).
- Cultural Perspective (recognize common factors among different cultures, compare different cultural groups).
- Economics (associate imports/exports, analyze economic choices, associate a country with its economic resources).
- Geography (apply various map scales, utilize various thematic maps, apply the concepts of longitude and latitude, explain the physical and human characteristics of the seven continents, use geographical terms correctly when presenting geographic information).
- Global Patterns (identify and analyze global issues).
- Historical Perspective (define civilization, interpret historical information presented on a graph or chart, understand that individuals, ideas, and/or events have influenced historical outcomes, examine the features of Paleolithic and Neolithic societies, and or Pre-Columbian Western Hemisphere Civilization).



Mathematics Strands studied:

- Algebraic Concepts (correctly use the rules for order of operations, develop and write equations based on word problems, use a given equation to develop a story problem, analyze which solution tool would best solve a problem: calculator, pencil and paper, or mental math).
- Data Interpretation (identify properties and relationships from tables and graphs, construct graphs and charts, demonstrate the ability to interpret graphical forms of data by articulating the details, facts, and concepts presented in the forms).

Mathematics Cont'd:

- Decimals (add, subtract, multiply, divide, and compare decimals, demonstrate a sense of place value by analyzing a decimal number with missing digits, compare decimals up to the ten-thousandths place).
- Fractions (have an intuitive sense of fractions, the portions they represent, and how fractions are used to solve real-world problems, add, subtract, multiply, divide, and compare fractions, compare 2 equivalent fractions and equivalent and mixed fractions).
- Geometry (apply geometric terms, communicate solutions to problems across the mathematics curriculum using the language of geometry where appropriate, develop spatial sense by speaking, writing, and using models and diagrams for geometric concepts).
- Measurement (measure/estimate mass, capacity, area, volume, perimeter, and length using both metric and standard units, create scale drawings).
- Numeration (estimate information involving whole numbers in the world, find patterns to determine solutions, use a variety of estimation strategies to check results, round whole numbers to the nearest ten, hundred, thousand, and ten-thousand, create, use, discuss, and graph ordered pairs).
- Percents (explain representation of percents less than 100, calculate the percent of a number).
- Probability/Statistics (find the mean, mode, and median of data which is presented in a graphical form, discuss the difference between theoretical and real world probability).
- Whole Numbers (solve multi-step story problems by determining when addition, subtraction, multiplication or division is required, set up a number sentence, find a solution, and use inverse operations to check the solution to ensure it is correct).
- Connecting ratios and rate to whole numbers, multiplication and division and using concepts of ratio and rate to solve problems.

