

Bath Elementary School

English/Language Arts Curriculum Overview

4th Grade

Curriculum/Textbook: [Treasures by Houghton Mifflin](#)

Standards: [ELA Common Core Standards Grade 4](#)

Genres Covered

Semester 1	Semester 2
Mystery Realistic Fiction Narrative Nonfiction Expository Nonfiction First Person Narrative Primary/Secondary Source	Fairy Tale Mystery Realistic Fiction Narrative Nonfiction Expository Nonfiction First Person Narrative Primary/Secondary Source

Focus Skills and Concepts

- Make inferences by analyzing text.
- Summarize various genres of text.
- Understand how problems and solutions are connected in text.
- Understand how the author's purpose connects to events and structure in text.
- Analyze character, setting, and plot.
- Determine main idea vs. details in a story.
- Differentiate between facts and opinions within a story.
- Use context clues to determine the meaning of unknown words and enhance vocabulary.
- Compare and contrast fiction and nonfiction works.
- Use the sequence of events within a story to summarize the events.
- Understand and write with the correct structure of a letter.
- Use inferences to draw conclusions.
- Demonstrate understanding of persuasive principles within writing.
- Make judgments after reading.
- Understand the connection between cause and effect.
- Determine theme and central idea of fiction and nonfiction.
- Make generalizations while reading.
- Consider the author's perspective while reading text.
- Use details to write descriptively.

- Understand and use parts of speech correctly.
- Expand writing expression using [EET tool](#).

Essential questions students can answer at the end of the course:

- What is the proper structure of a sentence?
- What are the elements of the different genres within reading?
- What strategies can you use to understand text?

Prerequisite skills critical for success:

- Read at grade level
- Know how to use capital letters and punctuation
- Basic understanding of nouns and verbs
- Basic organizational skills

Bath Elementary School

Math Curriculum Overview

4th Grade

Curriculum/Textbook: [Go Math! By Houghton Mifflin Harcourt](#)

Standards: [Math Common Core State Standards Grade 4](#)

Topics Covered

Semester 1	Semester 2
Place Value Numbers and Operations-Whole Numbers Factors, Multiples, and Patterns	Fractions-Comparing, Ordering Numbers and Operations-Fractions Fractions/Decimal Relationship Geometry

Focus Skills and Concepts

- Understand the value of digits based on place value (ones place through hundreds place).
- Add and subtract numbers through hundred thousand's place.
- Master multiplication and division facts.
- Recognize and understand Commutative and Associative properties of multiplication.
- Understand the relationship between division and multiplication.
- Master the long division algorithm.
- Understand alternate methods to long division algorithm.
- Solve word problems, including multi-step word problems, using addition, subtraction, multiplication, and division.
- Use factor pairs to understand the relationships that exist within fact families.
- Understand the value of fractions, and use this understanding to compare and order them.
- Convert fractions using simplest form and knowledge of equivalent fractions.
- Add and subtract fractions.
- Multiply a fraction by a whole number.
- Relate fractions and decimals.
- Know decimal equivalent of benchmark fractions.
- Compare and order decimal numbers.
- Relate decimals to money.
- Identify rays, angles, and lines.

- Identify line symmetry, parallel and perpendicular lines.
- Classify triangles and quadrilaterals.
- Understand characteristics of angles.
- Identify measurement benchmarks.
- Relate the customary and metric systems of measurement.
- Use units of time and make calculations using them.
- Find area and perimeter.
- Find unknown measures of angle.

Essential questions students can answer at the end of the course:

- How can multiplication and division properties be applied to everyday situations?
- Where will I multiplication and division in the everyday world?
- What relationship exists between fractions and decimals?
- What is the relationship between area and perimeter?
- How can I organize and represent data?

Prerequisite skills critical for success:

- Mastery of basic addition and subtraction
- Basic understanding of multiplication
- Basic understanding of geometric figures
- Basic organizational skills

Assessments

Pre-Assessment

Mid-Year Assessment

End of Year Assessment

End of Module Assessments

Bath Elementary

Science Curriculum Overview

4th Grade

Curriculum/Textbook: Science by Scott Foresman

Standards: [Michigan Grade Level Content Expectations for Science Grade 4](#)
[Next Generation Science Standards for 4th Grade](#)

Topics Covered

Semester 1	Semester 2
From Molecules to Organisms Energy and Transfers of Energy	Sound and Light (waves) Earth Science (rocks and earth's surface) Natural Resources

Focus Skills and Concepts

- Understand that all living things are made of cells.
- Understand a variety of textual organizations (compare and contrast, cause and effect, and sequence of events).
- Identify living things are different but share similar structures.
- Know the life cycles so of various living things.
- Analyze how the energy from the sun makes it to all living things.
- Explain how all things are made up of materials that are too small to be seen without high magnification.
- Describe that heating and cooling of matter will speed up or slow down the motion of the small particles.
- Work collaboratively to collect and share information for scientific investigation.
- Demonstrate how heat can move from one object to another.
- Recognize various forms of energy (heat, light and electricity).
- Describe how matter can be changed.
- Analyze and recognize magnetic fields.
- Understand sound is produced by vibrating objects.
- Identify the properties of earth's materials.
- Explain how rocks can be broken down.
- Understand that the earth's surface is broken down due to slow and rapid processes.
- Identify natural resources and how they are used.

Essential questions students can answer at the end of the course:

- What is the smallest unit of a living thing?
- What is the life cycle of a python?
- What is the life cycle of a bean plant?
- What is an adaptation for an animal and how can they be helpful?
- How can a graph help me compare and contrast of two different living things?
- What are some characteristics of waves?
- What are some ways heat is transferred?
- How can the earth change?
- What is a natural resource and how are they used to support life on Earth?

Prerequisite skills critical for success:

- Read at grade level
- Ability to work with anyone in the class

Assessments

Chapter Tests

Bath Elementary School

Social Studies Curriculum Overview

4th Grade

Curriculum/Textbook: [Oakland County 4th Grade Social Studies Units](#)

Student Website: [Studies Weekly "Newspapers"](#)

Standards: [Michigan Grade Level Content Expectations for Social Studies Grade 4](#)
[Michigan GLCE's Alignment with Oakland County Social Studies Units](#)

Topics Covered

Semester 1	Semester 2
Foundations in Social Studies The United States in Spatial Terms Human Geography in the US	Exploring Economics Our Federal Government Rights/Responsibilities of Citizenship

Focus Skills and Concepts

- Explain the basics of how historians, economists, geographers, and political scientists think.
- Use the tools geographers use.
- Describe the location of a physical characteristic.
- Describe the features of the area surrounding a physical characteristic.
- Identify the different regions of the United States.
- Explain how and why regions are created.
- Explain migration of people and human/environment interaction and how they lead to public issues.
- Provide examples of and create possible push and pull factors of migration.
- Understand interactions of buyers and sellers.
- Recreate a market economy within the classroom.
- Define and use primary sources to recreate important historical events.
- Understand and explain the purposes and need for federal government.
- Participate in rights and responsibilities of citizenship essential to our form of government.

Essential questions students can answer at the end of the course:

- What types of lenses do social scientists use in investigating places and people?
- How does the geography of the United States affect the way people live?
- How are people connected to the Earth and to each other?
- How are geographers, economists, and political scientists similar and different in how they study places and people?
- How is the federal government structured to fulfill the purposes for which it was created?
- Why are rights and responsibilities of citizenship essential to our form of government?

Prerequisite skills critical for success:

- Understanding of country and state.
- How to use white glue and scissors effectively
- Collaborative learning skills
- Basic organizational skills