

# Bath Elementary School

## English/Language Arts Curriculum Overview

### 5<sup>th</sup> Grade

Curriculum/Textbook: [Treasures by McGraw-Hill](#)

Student Website: <http://fifthgradeflipping.wikispaces.com/>

Standards: [ELA Common Core State Standards Grade 5](#)

#### Topics Covered

Analyzing Text Structures  
Reading Comprehension  
Fictional Story Elements  
Synonyms/Antonyms  
Figurative Language  
Non-Fiction Text Features/Structures  
Etymology  
Morphology  
Homophones/Homonyms/Homographs  
Primary and Secondary Sources  
Vocabulary  
Persuasive/Narrative/Informational Writing  
Grammar and Parts of Speech

#### Focus Skills and Concepts

- Use reading strategies such as context clues, etymology, and morphology to understand vocabulary in context.
- Integrate reading comprehension skills such as summarizing, inferring, finding the main idea/supporting details, making generalizations, and drawing conclusions.
- Identify and utilize text structure such as compare/contrast, problem/solution, cause/effect, fact/opinion to enhance comprehension.
- Recognize and describe character traits, plot, setting, and theme of fictional texts.
- Analyze, identify, and use figurative language.
- Recognize and utilize nonfiction text features such as captions, pictures, diagrams, graphs, headings, and subheadings.
- Describe the author's purpose and perspective.
- Determine whether a source is a primary or secondary source.

- Differentiate between homographs/homophones/homonyms.
- Use synonyms/antonyms, denotation/connotation, and analogies to develop understanding of vocabulary words.
- Use details and word choice to write descriptively.
- Understand and use parts of speech correctly.
- Expand writing expression using Expanding Expression Writing Tool ([EET tool](#)).

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

- What strategies can you use to help you comprehend what you are reading?
- How can fiction and nonfiction texts be organized?
- What are some strategies you can use to help determine word meaning?
- How can you organize your writing using the EET writing tool?

Prerequisite skills critical for success:

- Read at grade level
- Know how to properly structure a sentence and a paragraph
- Basic understanding of parts of speech
- Basic organizational skills

Major Projects

- Book Response Projects

Assessments

Weekly Reading Quizzes

Unit Tests

# Bath Elementary School Math Curriculum Overview 5<sup>th</sup> Grade

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

Standards: [Math Common Core State Standards Grade 5](#)

## Topics Covered

Semester 1	Semester 2
Operations with Fractions Graphing and Data Measurement	Geometry Numbers and Operations in Base Ten

### Focus Skills and Concepts

- Add, subtract, multiply and divide fractions and mixed numbers by fractions, mixed numbers, and whole numbers.
- Represent and interpret data using a variety of graphs and tables (dot plot, stem-and leaf plot, bar graph, line graph/plot).
- Graph points on the coordinate plane to solve real-world mathematical problems.
- Analyze patterns and relationships.
- Convert units of measurement within a given measurement system (customary or metric).
- Classify two- and three-dimensional figures based on their properties.
- Understand concepts of volume and relate volume to multiplication and addition.
- Solve multi-step word problems involving different contexts and operations.
- Solve simple and multi-step equations using inverse operations.
- Understand the place value system.
- Perform operations with multi-digit whole numbers and with decimals to the hundredths.
- Write expressions and equations to represent different relationships and word problems.
- Use the properties of addition and multiplication (Commutative Property, Associative Property, Identity Property, Distributive Property) to solve equations and complete problems mentally.

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

- How can the properties of addition and multiplication be used to solve problems?
- What are different ways polygons and polyhedrons can be classified?
- How can you interpret data on a graph or table?
- How is the base ten number system organized?
- What happens to a product or quotient when a number is multiplied or divided by a fraction or decimal less than one whole?

Prerequisite skills critical for success:

- Memorization of basic facts in addition, subtraction, multiplication, and division from 0-10
- Addition, subtraction, multiplication, and division of one- and two-digit whole numbers
- Basic understanding of fractions, decimals, and the base ten number system
- Basic organizational skills

Assessments

Unit Tests

# Bath Elementary School

## Science Curriculum Overview

### 5<sup>th</sup> Grade

Curriculum/Textbook: Scott Foresman 5<sup>th</sup> Grade Science 2006

Standards: [Michigan Grade Level Content Expectations for 5<sup>th</sup> Grade Science](#)  
[Next Generation Science Standards for 5<sup>th</sup> Grade](#)

#### Topics Covered

Semester 1	Semester 2
Animal and Plant Cells Systems of the Human Body Force and Motion	Force and Motion Earth and Space How Humans and Animals Influence the Environment Behavioral and Structural Adaptations

#### Focus Skills and Concepts

- Use the scientific method to gather and analyze, and communicate data.
- Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.
- Describe the effect humans and other organisms have on the balance in the natural world.
- Explain, demonstrate and identify force interactions.
- Describe the motion of object in terms of distance, time and direction, as the object moves, and in relationship to other objects.
- Identify the general purpose of selected animal systems (digestive, circulatory, respiratory, skeletal, muscular, nervous, excretory, and reproductive).
- Explain how animal systems (digestive, circulatory, respiratory, skeletal, muscular, nervous, excretory, and reproductive) work together to perform selected activities.
- Explain that the traits of an individual are influenced by both the environment and the genetics of the individual.
- Distinguish between inherited and acquired traits.
- Explain how behavioral characteristics (adaptation, instinct, learning, habit) of animals help them to survive in their environment.
- Demonstrate using a model, seasons, tides, phases of the moon, rotation, and revolution.

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

- How can we use scientific method to explain the world around us?
- How does the structure of an organism help them function in their daily lives?
- How do humans and animals affect the environment?
- How do the Sun, Moon, Earth, and other planets move in the solar system?
- What are forces and motions found on Earth?

Prerequisite skills critical for success:

- Read at grade level

# Bath Elementary School

## Social Studies Curriculum Overview

### 5<sup>th</sup> Grade

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

Student Website: [Reaching into the Past](#)

Standards: [Michigan Grade Level Content Expectations for 5<sup>th</sup> Grade Social Studies](#)

#### Topics Covered

Semester 1	Semester 2
Our Government Three World's Meet	Colonization and Settlement Life in Colonial America The Road to the Revolution The American Revolution A New Nation

#### Focus Skills and Concepts

- 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.
- Compare and contrast four Native American regions in the United States: Pacific Northwest, Southwest, the Plains, and the Eastern Woodlands.
- Understand the rise and fall of three African Empires: Ghana, Mali, and Songhai.
- Understand the reasons behind European Exploration.
- Understand the reasons behind colonization of the 13 colonies.
- Compare and contrast life in the different colonial regions.
- Explore the causes of the American Revolution.
- Explore the actions of people and the policies of nations during the Revolutionary War.
- Use projects to assess learning targets

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

- Why is the federal government organized to give and limit power?
- How did the interaction of the three worlds transform human societies?
- Why did different colonial regions develop in North America?
- How did life in the colonial regions set the stage for colonists to join the cause for independence?
- Why did some colonists from different regions join to create an independent nation?
- How did the colonial experience and ideas about government influence the creation of a new nation?

Prerequisite skills critical for success:

- Locate the seven continents and oceans
- Define and give examples of primary and secondary sources
- Basic understanding of the three branches of government
- Understand the basics of push and pull factors of migration