

# FIFTH GRADE

## Trimester 2

### TALK TO YOUR CHILD ABOUT SCHOOL

#### You can ask...

- ☐ Can you tell me about something you **read** today?
- ☐ How could you use the **math** you learned today?
- ☐ What **scientific ideas** did you talk about today?
- ☐ How did you contribute to your **community** today?
- ☐ How did someone help you learn today?



### ENGLISH LANGUAGE ARTS & LITERACY

#### In this Trimester, your child will:

- Read various texts, like books, poems, letters, news articles, and Internet pages.
- Speak and listen in formal and informal ways, like presentations and conversations.
- Communicate opinions, information, and experiences in writing for various readers.

### SCIENCE AND TECHNOLOGY/ ENGINEERING

#### In this Trimester, your child will:

- Ask scientific questions about the natural world and things humans design.
- Learn through various experiences, like observations and experiments.
- Solve problems using the skills and tools of engineers and scientists.

### MATHEMATICS

#### In this Trimester, your child will:

- Use math to represent and solve real-world problems.
- Use math to make arguments about why something is true or false.
- Use tools, like rulers and calculators, to show mathematical relationships.

### HISTORY AND SOCIAL SCIENCE

#### In this Trimester, your child will:

- Learn about their local community and about the state, country, and world.
- Discover how people and events from the past relate to the present.
- Work to understand how different people see the world differently.





## Grade 5, Trimester 2 Big Ideas and Concepts:

- Determine a theme of a story, drama or poem from detail in the text including how characters in a story respond to challenges.
- Describe how a narrators or speakers point of view impact how events are described in story, myth, or drama.
- Write expository texts to examine a topic and convey ideas and information clearly.
- Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.
- Engage effectively in range of collaborative discussions with diverse partners on grade 5 topics and texts.

## By the end of Grade 5, Trimester 2 students can:

- Summarize a text
- Use common, grade appropriate Greek and Latin roots as clues to the meaning of a word.
- Develop informational, persuasive and argumentative essays with facts, concrete details, with other information.
- Use a comma to separate an introductory element from the rest of the sentence.

### Questions you can ask your child:

- ★ What is the meaning of the word "circ"?
- ★ Give an example of a metaphor or simile.
- ★ What is the difference between a persuasive and argumentative essay?

### Topics you can discuss with your child's teacher:

- ★ Activities that can be done at home to improve writing
- ★ Good study habits
- ★ Executive functioning skills

## Grade 5, Trimester 2 Big Ideas and Concepts:

- Students will explore fractions using fraction circle pieces, diagrams and number lines.
- Students will explore division number stories resulting in fractional answers.
- Students will extend place value patterns to decimals.
- Students will explore the first quadrant in the coordinate grid.
- Students will add, subtract, multiply and divide fractions.

### Questions you can ask your child:

- ★ Tell your child a whole number and ask him/her to find a half, third or fourth of the number.
- ★ Practice using maps that use a grid with a map.

### Topics you can discuss with your child's teacher:

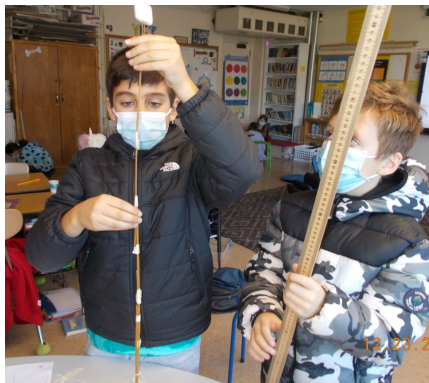
- ★ Projects that you can do at home to practice solving problems with fractions and decimals.
- ★ Which strategies for finding common denominators work best in given situations.

### By the end of Grade 5, Trimester 2 students can:

- Represent compare and rename fractions using models and manipulatives.
- Solve division number stories and write number models to build an understanding of fractions as division.
- Use place value strategies to compare decimals to the thousandths place.
- Plot points on a coordinate grid using ordered pairs.
- Using algorithms to solve Operations(  $+$ ,  $-$ ,  $\times$ ,  $\div$ ) with fractions.







## Grade 5, Trimester 2 Big Ideas and Concepts:

- Understand what a watershed is and how water moves through cycles on Earth: for example how rain can evaporate into the air or be absorbed into the ground.
- Understand how people affect the Earth: for example the effects of chemicals from factories and farms and how people can reduce those effects.
- Understand how the engineering design process can be used to solve real world problems.
- Understand how energy flows and matter cycles through an ecosystem.
- Understand how plants make their own food using water, air, and energy from the sun. Explore how the sun's energy helps plants grow and reproduce.

## By the end of Grade 5, Trimester 2 students can:

- Graph and compare the amounts of salt water, fresh water and frozen water (ice) on Earth.
- Test a simple system for filtering water. Use the engineering design process to make improvements.
- Explain how different living things produce, consume, and decompose other things.

### Questions you can ask your child:

- ★ What could we invent to make our chores at home easier?
- ★ How does water get from the geosphere to the atmosphere?
- ★ How can a filter improve water quality?
- ★ Describe how the energy from the sun transfers to energy in the body?

### Topics you can discuss with your child's teacher:

- ★ How can you help reinforce classroom instruction at home
- ★ Places in the community that can help your child learn science.

**Grade 5, Trimester 2 Big Ideas and Concepts:**

- Explore the events leading up from the French and Indian War to the Revolutionary War.
- Learn about the reasons for the American Revolution and how it involved Massachusetts people.
- Use primary sources to discuss the importance of the Declaration of Independence.

**Questions you can ask your child:**

- ★ Who was involved in the French and Indian War?
- ★ What led to the American Revolution?

**Topics you can discuss with your child's teacher:**

- ★ People and places in Massachusetts related to the Revolutionary War
- ★ Books about the Revolutionary War.

**By the end of Grade 5, Trimester 2 students can:**

- Explain key British policies and the colonial response to them.
- Explain the relationship between Native Peoples and the French and the British.
- Analyze the role and the significance of Massachusetts people during the pre-revolutionary and revolutionary period.
- Demonstrate understanding of the effects of the Revolutionary War.