

# FIFTH GRADE

## Trimester 3

### 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 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 3 Big Ideas and Concepts:

- Compare and contrast stories in different literary forms on their approaches to similar themes and topics
- Explain how a series of stanzas fit together to provide the overall structure of a particular poem
- Analyze multiple accounts of the same event or topic noting important similarities and differences
- Use multiple sources and identify relevant information to support expository response
- Write routinely over extended time frames and shorter time frames for a range of purposes and tasks

## By the end of Grade 5, Trimester 3 students can:

- Draw inferences from a text.
- Come to discussions prepared and draw on that preparation to explore ideas under discussion.
- Write an expository essay that students have researched.
- Analyze the meaning of a poem and speakers point of view.
- Demonstrate command of standard english conventions.
- Write a conclusion to their narrative that connects to the story and provides closure.
- Use sensory details

### Questions you can ask your child:

- ★ What type of writing do you like best?
- ★ What is a limerick?
- ★ What is your favorite type of poem to read?

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

- ★ Summer reading recommendations
- ★ My child's participation in class discussions
- ★ Transition to middle school

## Grade 5, Trimester 3 Big Ideas and Concepts:

- Learn how the powers of 10 affect multiplication and division
- Develop strategies for multiplying & dividing decimals to the hundredth place
- Understand properties of different polygons
- Explore different ways to present data
- Solve measurement conversion problems
- Discover methods to calculate the area of triangles

### Questions you can ask your child:



- ★ What is 3.4 times 10 to the power of 4?
- ★ What are some properties of a rectangle?
- ★ How many centimeters equals 3 meters?

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



- ★ Math games
- ★ Projects you can do at home to practice metric measurement conversions

### By the end of Grade 5, Trimester 3, students can:

- Multiply and divide decimals by powers of 10.
- Create a line plot with data.
- Use a hierarchy chart to classify polygons by characteristics.
- Explore line plots and coordinate grids.
- Convert U. S. customary and metric measurements.
- Use the Rectangle Method to find the area of a triangle.

## **Grade 5, Trimester 3 Big Ideas and Concepts:**

- Understand how energy can be transferred from one place to another in a circuit to do work.
- Understand the interactions between electricity and magnetism.
- Understand how sound energy is transferred from one place to another in waves of vibrating molecules and how sound energy is absorbed by different materials.

## **By the end of Grade 5, Trimester 3 students can:**

- Students will be able to create a functioning circuit.
- Create a model of a motor using an electromagnet.
- Design a sound absorbing wall using materials with properties that modify or change sound waves.

### **Questions you can ask your child:**

- ★ What are the differences between a simple, series, and parallel circuit?
- ★ How electromagnets different from permanent magnets?
- ★ How does the sound from your voice from a Kazoo vibrate?

### **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 3 Big Ideas and Concepts:**

- Understand how the Constitution attempted to balance competing interests, the question of power, and the ideas of slavery.
- Explore the responsibilities of the government in the Constitution and the freedoms granted to citizens in the Bill of Rights.

**Questions you can ask your child:**

- ★ Why have different people had different rights in this country's history?
- ★ What are the responsibilities of the three Branches of Government?

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

- ★ People and places in Massachusetts related to the Constitution
- ★ Books about the Government and Constitution.

**By the end of Grade 5, Trimester 3 students can:**

- Read the Preamble and understand the purpose of the Constitution.
- Explain how the framers of the Constitution divided and shared powers.
- Explain that voting rights and property rights did not extend to women or slaves.
- Demonstrate understanding of at least one of the freedoms guaranteed to citizens by the United States.