

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 (+, -, x, ÷) 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.