

# FIFTH GRADE

## Trimester 1

### 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 grade level text with purpose and understanding.
- Explain how an author uses reasons and evidence to support particular points in a text.
- Produce clear and coherent narrative writing in which the development and organization are appropriate to task, purpose, and audience.

#### SCIENCE AND TECHNOLOGY/ ENGINEERING

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

- Ask scientific questions about space and matter.
- Learn through various experiences, such as observations and experiments.
- Answer questions using the scientific method.

#### 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 models to show mathematical relationships, such as area and volume.

#### HISTORY AND SOCIAL SCIENCE

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

- Learn about the history of our local community, state, country, and world.
- Discover how people and events from the past relate to the present.
- Understand cultural differences and perspectives.





## Grade 5, Trimester 1 Big Ideas and Concepts:

- Use a variety of texts, determine the main idea and supporting details.
- Describe how an author uses one or more text structures to present information in a text.
- Write narratives to develop experiences or events using effective literary techniques, descriptive details, and clear sequence.
- Develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach.
- Determine or clarify the meaning of unknown and multiple meaning words and phrases based on grade 5 reading and content choosing flexibly from a range of strategies.

## By the end of Grade 5, Trimester 1 students can:

- Write a story chronologically using appropriate grade level voice, sentence fluency, conventions, word choice, and vocabulary.
- Use a variety of transitional words, phrases and clauses to manage sequence.
- Independently and proficiently read and comprehend literary texts representing a variety of genres, cultures, and perspectives.

### Questions you can ask your child:

- ★ What is your favorite genre to read?
- ★ What strategies can you use to construct the meaning of unknown words in a text?
- ★ How do good writers organize their ideas when they are writing?

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

- ★ Choosing an appropriate level book.
- ★ How your child participates in class discussions.
- ★ Available resources to help my child improve in reading.

## Grade 5, Trimester 1 Big Ideas and Concepts:

- Students will explore the concept of volume and discover two mathematical formulas for volume.
- Students will review area and develop strategies for finding the area of rectangles in which the length of one side is a fractional part.
- Students will interpret parentheses in mathematical expressions.
- Students will explore place value relationships in multi-digit numbers, powers of ten and exponential notation.
- Students will review familiar and explore new algorithms for multiplying and dividing large numbers.

### Questions you can ask your child:

- ★ Which container holds the most? How can you tell?
- ★ What is the value of 4 in 7,401,325?

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

- ★ Projects that you can do at home to practice solving problems with volume and area.
- ★ Math games

### By the end of Grade 5, Trimester 1, students can:

- Solve area problems using  $A = l \times w$ .
- Solve volume problems using  $V = l \times w \times h$  or  $V = B(\text{area of base}) \times h$ .
- Write, explain, and compute math expressions using parentheses.
- Understand place value to the millions place. Multiply by the powers of ten.
- Compute problems using US traditional multiplication and division.







## Grade 5, Trimester 1 Big Ideas and Concepts:

- Students should understand the Earth's position in our solar system and how it relates with our sun and moon.
- Students will understand the conservation of matter and states of matter.
- Students will be able to distinguish between rock and minerals and understand how minerals are formed and identified based on their properties.

## By the end of Grade 5, Trimester 1 students can:

- Use models to explain day and night and how the sun, stars and moon appear in different parts of the sky at different times during a day, month and year.
- Measure, graph and analyze substances before and after a chemical reaction.
- Explain the changes that happen when liquids, gases and solids are heated and cooled.
- Observe properties of various rocks and minerals.

### Questions you can ask your child:



- ★ Why does the sun appear larger and brighter than any other star in the sky?
- ★ What is the conservation of matter?
- ★ How can you use properties to identify a mineral?

### 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 1 Big Ideas and Concepts:

- Build on prior schema of the New World at the time Christopher Columbus landed and the impact on Native Populations
- Explore the relationships between Native People and European settlers
- Learn about the first English settlements in North America
- Understand how settlements grew into populated colonies
- Explore the similarities and differences between the New England, Middle, and Southern colonies
- Learn about the origins of slavery

### Questions you can ask your child:



- ★ How did the colonists and Native People interact?
- ★ How did climate affect the economies of the 3 colonial regions?

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



- ★ Historical fiction books
- ★ Non fiction books about the American colonies
- ★ Places in the community related to colonial history

### By the end of Grade 5, Trimester 1, students can:

- Describe the beginnings and early growth of the American colonies.
- Compare and contrast the three colonial regions
- Explain the Triangular Slave Trade.
- Describe the relationships between Native Peoples and English settlers.

