

# FOURTH 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:

- Plan, draft, and revise free verse poetry
- Plan, draft, and revise an expository essay
- Continue to build fluency skills by strengthening intonation and phrasing

### SCIENCE AND TECHNOLOGY/ ENGINEERING

#### In Trimester, your child will:

- Learn that energy can be transferred in waves, like light, sound, and water
- Explore methods of communication, like Morse Code
- Understand scientific concepts like sound waves through hands on experiments

### MATHEMATICS

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

- Use the four operations to work through multi-step word problems
- Explore the properties of angles and learn how to use protractors to measure them
- Analyze numerical patterns

### HISTORY AND SOCIAL SCIENCE

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

- Learn about the regions of the United States and how their resources, land, people, and important landmarks have helped shape the United States.
- Explore what life is like in the regions of the United States with hands on activities



## Grade 4, Trimester 3 Big Ideas and Concepts:

- Students learn to think critically as they explore the expository, narrative nonfiction, and historical fiction genres and apply new knowledge and skills encompassing the four domains of language
- Students will read fluently, with expression, proper intonation, and phrasing
- Students will write an expository essay
- Students will write responses that reflect understanding using evidence from the text
- Students will identify and use adjectives and figurative language correctly
- Students will plan and draft a free verse poem

## By the end of Grade 4, Trimester 3 students can:

- cite relevant evidence from text, and make inferences to support understanding.
- evaluate author's use of sequence text structure.
- identify and analyze author's use of imagery.
- identify the story's problem and solution.
- recognize foreshadowing.
- use text evidence to infer a story's theme.
- analyze an author's use of text features.
- evaluate an author's use of literary elements, such as dialogue.
- analyze and explain the theme in a poem.
- identify examples of imagery and personification.
- determine literary elements of free verse.

### Questions you can ask your child:

- ★ What is your favorite genre and why?
- ★ Do you like to write stories or poems better and why?
- ★ How does figurative language make your writing more interesting?

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

- ★ How can I encourage my child to read at home?
- ★ What are some authentic types of writing we can do at home?
- ★ What are some nonfiction titles my child might enjoy reading?

## Grade 4, Trimester 3 Big Ideas and Concepts:

- Use the four operations with whole numbers to solve multi-step problems
- Generalize and analyze patterns
- Understand concepts of angles and measures angles
- Recognize that angle measures are additive
- Understand decimal notation for fractions and compare decimal fractions
- Represent and interpret data
- Classify shapes by properties of their lines and angles

### Questions you can ask your child:



- ★ Where can we find angles in the real world?
- ★ What is your preferred method for solving multiplication problems and why?
- ★ When would you record a remainder as a fraction?

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



- ★ How can I encourage perseverance in solving multi-step problems?
- ★ How can I help my child multiply and divide efficiently?

### By the end of Grade 4, Trimester 3 students can:

- multiply up to 4-digit by 1-digit and 2-digit by 2-digit numbers.
- find extended division facts with 1-digit divisors.
- solve area problems with unknown sides.
- add and subtract fractions and mixed numbers.
- Identify and measure acute, obtuse, and right angles.
- add and subtract to find unknown angle measures.
- continue to describe number patterns.
- divide up to 3-digit by 1-digit numbers.
- find multiples of unit fractions.
- multiply a fraction by a whole number.
- organize and represent fractional data on a line plot.
- add two fractions with denominators 10 or 100.
- use decimal notation for fractions with denominators of 10 or 100.
- use the four operations to solve number stories involving whole numbers of measured quantities.

## Grade 4, Trimester 3 Big Ideas and Concepts:

- Understand that energy can be transferred from place to place by waves, which can make objects move.
- Understand the relationship between a particular sound and its properties, including its amplitude and frequency.
- Understand how patterns (light, sound, numbers, etc.) can be used to communicate information over a distance.
- Identify which communication solutions, like Morse Code, are more effective than others.

## By the end of Grade 4, Trimester 3 students can:

- show how wave patterns carry energy and can cause objects to move.
- developed and used models of transverse and longitudinal waves.
- explore what changes a sound wave's amplitude, volume, and pitch.
- explore how different technologies use patterns to transfer information from one place to another.
- design and test multiple solutions that use light and sound to transfer information over a distance.

### Questions you can ask your child:

- ★ What is the difference between pitch and volume?
- ★ How do stringed instruments make sounds?

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

- ★ Ways of applying what your child learns in science to everyday life
- ★ Places in the community that can help your child learn science

## Grade 4, Trimester 3 Big Ideas and Concepts:

- Understand the history of the Midwest region of the United States and how its physical features and political events influenced this history and the diverse cultural nature of the region (Native people, Africans, Europeans and other immigrant groups).
- Understand the history of the Southwest region of the United States and how its physical features and political events influenced this history and the diverse cultural nature of the region (Native people, Mexico, Africans, Europeans and other immigrant groups).
- Understand the history of the West region of the United States and how its physical features and political events influenced this history and the diverse cultural nature of the region (Native people, Mexico, Africans, Europeans and other immigrant groups).

### Questions you can ask your child:



- ★ What state in these regions would you most want to visit and why?
- ★ How are natural disasters impacting these regions?

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



- ★ Sources to find accurate and up to date information about the topics we are studying
- ★ Where in the community to learn more about North America

### By the end of Grade 4, Trimester 3 students can:

- Be able to locate Midwestern states and name their capitals
- Identify the important physical features of the Midwest (mountains, rivers, ports)
- Be able to locate the Southwestern states and name their capitals
- Identify the important physical features of the Southwest (mountains, rivers, ports)
- Be able to locate the Western states and name their capitals
- Identify the important physical features of the West (mountains, rivers, ports)
- Explain how natural disasters impact these regions