

FOURTH 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 argumentative texts and think critically about facts and opinions.
- Plan, draft, and revise an essay.
- Continue to refine their “writing about reading” skills by including textual evidence to support their points.

SCIENCE AND TECHNOLOGY/ ENGINEERING

In this Trimester, your child will:

- Continue to understand how earth’s four systems are constantly interacting (emphasis on the water cycle.)
- Explore physics concepts like simple machines, forces, energy, and motion.
- Learn how to solve a real-world problem using the process of engineering.

MATHEMATICS

In this Trimester, your child will:

- Learn a variety of strategies for multiplying two-digit numbers.
- Understand the process of ordering fractions based on benchmarks.
- Solve real-world problems involving fractions (adding and subtracting.)

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 2 Big Ideas and Concepts:

- Students learn to think critically as they explore the realistic fiction, argumentative text, and narrative nonfiction genres and apply new knowledge and skills encompassing the four domains of language
- Students will read fluently with expression
- Students will identify action verbs and analyze the use of verb tenses
- Students will write a realistic fiction narrative to develop experiences or events using effective literary techniques, descriptive details, and clear sequences
- Students will write responses to texts that demonstrate understanding
- Students will plan and draft an essay

By the end of Grade 4, Trimester 2 students can:

- cite relevant evidence from text, and make inferences to support understanding.
- identify point of view.
- analyze the author's use of facts and opinions.
- explain the author's use of flashback.
- identify the sequence of events using timelines.
- explain the use of anecdote.
- use antonyms and synonyms to determine meaning.
- analyze the procedural text structure.
- identify and use text structures.
- describe how the compare and contrast text structure contributes to author's purpose.
- analyze how setting and dialogue develop plot.
- identify and analyze elements of narrative poetry.

Questions you can ask your child:

- ★ Do you prefer to read fiction or nonfiction and why?
- ★ What are you writing about in school this week?
- ★ What is the difference between a fact and an opinion?

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?
- ★ Who are some poets my child might enjoy reading?

Grade 4, Trimester 2 Big Ideas and Concepts:

- Understand fraction equivalence and ordering
- Understand the relationship between fractions and decimals
- Understand how to solve problems with whole numbers using the four operations
- Gain familiarity with factors and multiples
- Solve problems involving measurements and conversions of measurements
- Build fractions from unit fractions by applying and extending previous understanding on operations of whole numbers
- Understand properties related to lines, angles and 2-dimensional shapes

Questions you can ask your child:

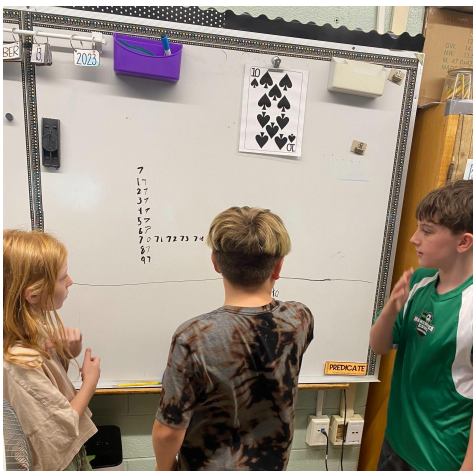
- ★ What are the different ways you can decompose $\frac{6}{10}$?
- ★ What is your most efficient strategy for multiplication?
- ★ How do we use fractions and decimals at home?

Topics you can discuss with your child's teacher:

- ★ How can I support my child's understanding of fractions and decimals?
- ★ How can I help my child attend to precision when solving problems?

By the end of Grade 4, Trimester 2 students can:

- recognize two equivalent fractions through 12^{th} s using a model.
- recognize that fraction comparisons require same-size wholes.
- compare fractions and decimals using a model.
- represent decimals to hundredths using base-10 numerals.
- translate between decimal notation and fraction with denominators of 10 and 100.
- compare decimals using a model.
- convert between meters, centimeters, and millimeters.
- accurately multiply 2-digit by one-digit whole numbers.
- use a formula to find the perimeter and area of rectangles.
- solve number stories involving units of length, time, and money.
- add and subtract fractions and mixed numbers using a visual tool.
- decompose fraction and represent with an equation.
- solve number stories involving fractions.
- organize and represent data to the $\frac{1}{2}$ and $\frac{1}{4}$ units on a line plot.
- identify benchmark rotations such as quarter, three-quarter, half, and full turn.
- recognize that angles are measured in iterations of one-degree angles.





Grade 4, Trimester 2 Big Ideas and Concepts:

- Understand how water moves around Earth, interacting with all of Earth's systems and influencing weather.
- Understand the impacts of urban flooding and water pollution.
- Understand how dams provides energy but also impacts the environment.
- Understand that levers are simple machines because they redirect force to make work easier.
- Understand the differences between the scientific method and the engineering design process and how they work together.
- Understand how potential energy becomes kinetic energy.
- Understand the relationship between the structure of matter and electricity.
- Understand how energy is converted from electrical energy into another form of energy in a circuit.

By the end of Grade 4, Trimester 2 students can:

- analyze how water moves around Earth, interacting with all of Earth's systems and influencing weather.
- describe how the use of dams provides energy but also impacts the environment.
- design, test, and evaluate a prototype that reduces the impact of flooding.
- use simple machines to explore the relationship between forces, energy and motion.
- investigate how levers redirect force to make work easier, and test how the positions of the fulcrum, effort force, and load force affect how forces are redirected.
- design and test a prototype catapult to see how well it can change potential energy into kinetic energy.

Questions you can ask your child:

- ★ Where can you find examples of levers in our home?
- ★ Where do transfers of energy happen in your home or community?
- ★ How does a circuit work?

Topics you can discuss with your child's teacher:

- ★ Studying for unit tests
- ★ Inquiry based learning
- ★ How our science curriculum teaches next generation science skills

Grade 4, Trimester 2 Big Ideas and Concepts:

- Understand the history of the Northeast 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 Southeast 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).

Questions you can ask your child:

- ★ What is our nation's capital and what are some important landmarks there?
- ★ What state along the east coast would you most like to visit and why?

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 2 students can:

- be able to locate the Northeast states and name their capitals.
- identify the important physical features of the Northeast (mountains, rivers, ports.)
- be able to locate the Southeast states and name their capitals
- identify the important physical features of the Southeast (mountains, rivers, ports.)
- explain how natural disasters impact the northeast and southeast.

