

FOURTH 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 a variety of genres like stories of realistic fiction, and nonfiction articles and texts.
- Strengthen their reading fluency skills by reading aloud and listening to others read.
- Write personal narratives about important moments in their lives.

SCIENCE AND TECHNOLOGY/ ENGINEERING

In this Trimester, your child will:

- Ask scientific questions about the natural world as well as things that humans design.
- Learn through various hands-on 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.
- Learn strategies to solve large addition and subtraction problems.
- Be exposed to various methods for rounding large numbers, and learn how rounding can be applied to real-world problems

HISTORY AND SOCIAL SCIENCE

In this Trimester, your child will:

- Learn about their local community and about the state, country, and world.
- Understand the timeline of the first explorers of North America and recognize the impact their settlement had on the land and people.





Grade 4, Trimester 1 Big Ideas and Concepts:

- Think critically as they explore the expository and realistic fiction genres and apply new knowledge and skills encompassing the four domains of language
- Read fluently, focusing on rate, accuracy, intonation and expression
- Demonstrate an understanding of sentence structure and the proper usage of nouns
- Write narratives to develop experiences or events using effective literary techniques, well-chosen details, and well-structured sequence
- Write a response to texts using reflective thinking and textual evidence
- Plan and draft a lyric poem

By the end of Grade 4, Trimester 1 students can:

- cite relevant evidence from text, and make inferences to support understanding.
- identify author's use of compare-and-contrast text structure.
- explain the author's purpose and message within a text.
- analyze the author's use of text features.
- identify the problem and solution in plot.
- distinguish between fact and opinion.
- identify how dialogue is used in a story.
- identify main ideas and details.
- summarize, maintaining meaning and logical order.
- analyze how the author shows the changes a character undergoes.
- identify structure of a drama, including acts, scenes, setting, stage directions, and characters.
- analyze point of view.
- describe the purpose of imagery and assonance.

Questions you can ask your child:

- ★ What kinds of things do you like to read and why?
- ★ What are you writing in school this week?
- ★ What new words or phrases did you use in school today?

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 is a book series my child might enjoy reading?

Grade 4, Trimester 1 Big Ideas and Concepts:

- Understand how to solve problems with whole numbers using the four operations
- Generalize place value understanding
- Understand conversion of measurement from a larger unit to a smaller unit
- Gain familiarity with factors and multiples
- Understand the attributes of lines, line segments, rays and right angles
- Understand the use of formulas to calculate area and perimeter
- Understand the difference between prime and composite numbers

Questions you can ask your child:

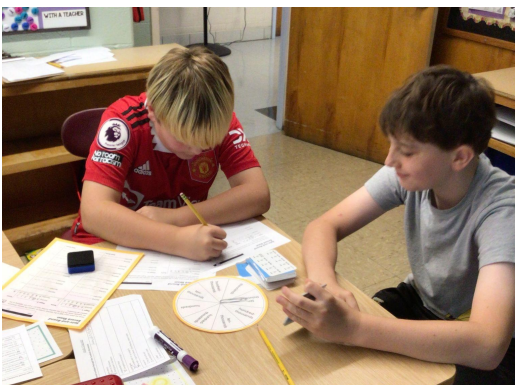
- ★ What do you see in nature that is symmetrical?
- ★ Would you measure the length of a driveway in inches or feet?
- ★ What is your preferred method for solving addition problem and why?

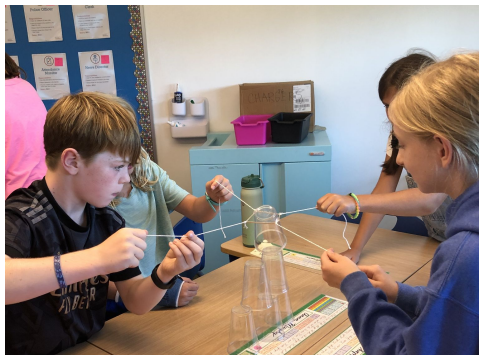
Topics you can discuss with your child's teacher:

- ★ How can I help my child to become fluent in math facts?
- ★ How can I encourage perseverance in solving problems?

By the end of Grade 4, Trimester 1 students can:

- round number through the 100,000.
- read, write and identify numbers though the 100,000.
- apply the U.S. traditional algorithm for addition and subtraction up to four digit numbers.
- recognize the relationship between place values in a base ten number system.
- convert feet, yards and inches.
- Find the perimeter and area of rectangles.
- Draw and label points, lines, line segments, and rays.
- identify right angles.
- solve multi-step addition and subtraction number stories using an estimate to assess reasonableness of answers
- recognize a number story as additive or multiplicative and explain how they know.
- Identify more than one factor pair for composite numbers less than 40.
- write multiples of a 1-digit number
- identify prime and composite numbers less than 40
- Use fact extensions to multiply by a multiple of 10.
- identify properties of line segments and angles within quadrilaterals and identify right angles within triangles
- identify at least one line symmetry in 2-dimensional symmetric figures.





Grade 4, Trimester 1 Big Ideas and Concepts:

- Understand that all matter is made up of atoms and that atoms determine a substance's properties
- Understand the processes that cause Earth's surface to change over time
- Understand how rocks and fossils can be used to identify the processes that have changed Earth's landmass
- Understand the process of weathering and erosion

By the end of Grade 4, Trimester 1 students can:

- follow the scientific method to plan and carry out experiments.
- determine the properties of a solid and find its mass.
- investigate the relationship between an object's speed and its energy.
- predict how energy will change in a collision between a moving marble and a cup at rest.
- model the different ways that tectonic plates move to observe how landforms are created.
- test how the forces of moving water erodes sediment.
- analyze clues in rock to determine how Earth's surface has changed over time.
- analyze and interpret maps of Earth's mountain ranges, volcanoes, and earthquakes to describe patterns.
- explain how non-renewable energy sources are different from renewable resources.

Questions you can ask your child:

- ★ What are the processes that cause earth's surface to change?
- ★ How do mass and speed impact the force of a collision?
- ★ Where in your community are there examples of weathering and erosion?

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 1 Big Ideas and Concepts:

- Understand how various map features (scales, keys, cardinal directions) help to locate physical features and political regions (countries, states, cities) of North America.
- Understand how archeologists developed theories about ancient migration to North America.
- Students will learn the reasons for early European exploration and conquest of North America.

Questions you can ask your child:

- ★ Ask them to find different places of importance to your family on a map.
- ★ Who do you think migrated to North America first?
- ★ Who were some of the Europeans that first voyaged to North America?

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 1 students can:

- use map features to locate and identify important physical features in North America.
- on a political map of North America, locate Canada and its provinces, Mexico and its states, the nations of the Caribbean, and the United States of America and its states.
- provide information about the various theories of how ancient people first migrated to North America.
- explain how archeologists conduct research.
- show on a map various European explorations of North America and the Caribbean during the 15th and 16th centuries.

