

Mathematics

By the end of grade four, students understand large numbers and addition, subtraction, multiplication, and division of whole numbers. They describe and compare simple fractions and decimals. They understand the properties of, and the relationships between, plane geometric figures. They collect, represent, and analyze data to answer questions.

Number Sense

Students:

- Understand the place value of whole numbers and decimals to two decimal places and how whole numbers and decimals relate to simple fractions, and use the concepts of negative numbers.
- Extend their use and understanding of whole numbers to the addition and subtraction of simple decimals.
- Solve problems involving addition, subtraction, multiplication, and division of whole numbers and understand the relationships among the operations.
- Know how to factor small whole numbers.

Algebra and Functions

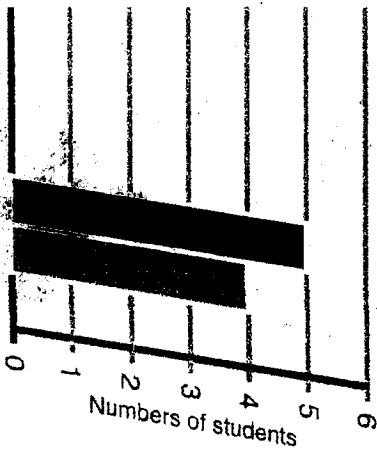
Students:

- Use and interpret variables, mathematical symbols, and properties to write and simplify expressions and sentences.
- Know how to manipulate equations.

Measurement and Geometry

Students:

- Understand perimeter and area.



Science

Physical Sciences

- Electricity and magnetism are related effects that have many useful applications in everyday life.

Life Sciences

- All organisms need energy and matter to live and grow.
- Living organisms depend on one another and on their environment for survival.

Earth Sciences

- The properties of rocks and minerals reflect the process that formed them.
- Waves, wind, water, and ice shape and reshape Earth's land surface.

Investigation and Experimentation

- Scientific progress is made by asking meaningful questions and conducting careful investigations. To understand this concept and to address the content in the other three strands, students should develop their own questions and perform investigations.



GRADE FOUR

