



Learning Standards  
GRADE  
**4**

The following learning standard descriptions outline priorities of what we want students to know and be able to by the end of grade 4 in language arts, mathematics, science, music and PE. The purpose of this document is to assist with understanding the Elementary Report Card and to support our overall goal of clearly communicating with families on their child's current performance toward grade level standards.

### Language Arts

#### Reading: Literature & Informational Text

- Refer to details while summarizing text and drawing inferences
- Figure out the meaning of words and phrases in non-fiction and fiction
- Describe, compare, and contrast the structure of fiction and non-fiction texts
- Compares and contrasts points of view in non-fiction and fiction
- Make connections and compare and contrast different presentations of a story, theme or topic
- Use information from two texts to communicate understanding

#### Reading: Foundational Skills

- Read grade level text accurately and fluently

#### Writing

- Write clearly organized opinion, narrative and informational text using conventions of standard English
- Use the writing process to strengthen writing including support from others and technology
- Write with information from multiple sources and provide a list of sources for research
- Write regularly for a range of time frames depending on the task (research, revision, reflection)
- Use standard conventions of English

### Mathematics

#### Operations and Algebraic Thinking

- Use the four operations with whole numbers to solve single- and multi-step problems
- Identify factors and multiples (multiplication and division)
- Use and understand patterns

#### Numbers and Operations in Base Ten

- Understand place value of multi-digit numbers
- Understand place value in order to perform arithmetic

#### Fractions

- Find equivalent fractions and orders/compares fractions
- Add and subtract fractions with conceptual understanding
- Solve fraction word problems
- Multiply a fraction by a whole number and solve related word problems with visual models and equations
- Use decimal notation for fractions with tenths or hundredths as the denominator
- Use visual models to compare decimals and reason about their size

#### Measurement & Data

- Solve problems with measurement and conversion between bigger and smaller units (km, m, cm, kg, g, lb, ml, hr, min, sec)
- Solve word problems with the four operations involving distances, intervals of time, volume, mass, and money.
- Show and use data in a line plot and a table
- Understand concepts of angles and measures angles (geometric measurement)

#### Geometry

- Draw and know types of lines and angles
- Classify shapes by properties of their lines, angles and symmetry

**Science****Content & Concepts**

- Observe and describe parts of systems (e.g. solar system, eco-system, and electrical circuit)
- Learn about scale in space and the ocean
- Understand the Earth's spherical shape and basic ideas about gravity (pulling force, how things fall on Earth, measure of weight)
- Explore how the rotation of the Earth causes the apparent movement of the sun as well as night and day
- Observe the moon in the sky and notice patterns in the moon's cycle phases
- Understand the ocean's function and describe its features
- Living things have different structures and behaviors for specific purposes
- Describe the ecosystem of the ocean and how living and non-living organism are impacted and impact the ecosystem
- Understand the interconnections between people and the ocean
- Energy can be transferred from one place to another and change forms

**Scientific Process**

- Use models and diagrams to describe and explain
- Use models for understanding systems that are too big, too small, or too dangerous for students to study directly
- Develop explanations using evidence
- Use simple instruments to observe and make measurements
- Record and display data in a table, bar graph, line plot, and pictograph
- Report findings accurately
- Explain how observations can lead to new knowledge and new questions about the natural world
- Explain why different parts in a system need to be connected in a specific way for the system to function as a whole

**Music****Skills & Concepts**

- Demonstrate ability to participate in units of instruction that meet National Standards for Music Education. These include the following: sing and/or play instruments, alone or with others; read and notate music; listen to, analyze, and describe music; understand relationships between music, the arts, and other disciplines; relate music to historical and cultural traditions.

**Learner Attributes in Music**

- Display a positive attitude
- Demonstrate leadership
- Demonstrate ability to work together as part of a musical ensemble

**Physical Education (PE)****Participation in Physical Activities**

- Demonstrate ability to participate in units of instruction that rotate throughout the year, which may include racquet skills, floor hockey, softball, bike safety, track and field, soccer, basketball, volleyball, jump roping, balance skills, juggling, rhythmic activities.
- Participate in learning games and activities to increase their fitness skills and continuously improve their health.

**Motor Skills**

- Develop motor skills through locomotor, non-locomotor, spatial awareness, and perceptual motor (hand/eye) skills.
- Develop motor skills through designed activities including hoops, short/long jump ropes, juggling, racquets and ball skills.
- Move and participate safely while working in both small and large groups.

**Learner Attributes in PE**

- Demonstrate sportsmanship
- Put effort toward continuous improvement and daily participation
- Display a positive attitude
- Demonstrate leadership