

## Newfoundland Curriculum Outcomes That Align with SucSeed

### Grade 5

#### **Grade 5 Mathematics**

- 5N2.7 Provide a context for when estimation is used to:
  - make predictions – on possible yield.
  - check the reasonableness of an answer
  - determine approximate answers.
- 5N5.2 Describe a solution procedure for determining the product of two given two-digit factors, using a pictorial representation such as an area model.
- 5N7.3 Determine if two given fractions are equivalent, using concrete materials or pictorial representations
- 5N8.1 Express orally and in written form the decimal for a given symbolic, concrete or pictorial representation of part of a set, part of a region or part of a unit of measure.
- 5PR1.1 Extend a given pattern with and without concrete materials, and explain how each element differs from the preceding one.
- SS2.1 Show that 10 millimetres is equivalent to one centimetre, using concrete materials.
- 5SS2.2 Show that 1 000 millimetres is equivalent to one metre, using concrete materials
- 5SS3.2 Determine the volume of a given 3-D object, using manipulatives, and explain the strategy
- 5SS5.5 Identify parallel, intersecting, perpendicular, vertical and horizontal edges and faces on 3-D objects
- 5SS5.8 Provide examples from the environment that show parallel, intersecting, perpendicular, vertical and horizontal line segments.
- 5SP2.4 Represent a given set of data by creating a double bar graph, label the title and axes, and create a legend without the use of technology

## Grade 5 Science

- GCO1
  - 29.0 demonstrate that specific terminology is used in science and technology contexts
  - 31.0 describe examples of tools and techniques that have contributed to scientific discoveries
  - 36.0 identify examples of scientific questions and technological problems addressed in the past
  - 37.0 describe and compare tools, techniques, and materials used by different people in their community and region to meet their needs
  - 38.0 identify individuals in their community who work in science and technology related areas
  - 40.0 provide examples of how science and technology have been used to solve problems in their community and region
  - 41.0 consider the positive and negative effects of familiar technologies
  - 43.0 identify scientific discoveries and technological innovations of people from different cultures
  - 48.0 describe instances where scientific ideas and discoveries have led to new inventions and applications
  - 49.0 describe examples of technologies that have been developed to improve living conditions
  - 64.0 describe how results of similar and repeated investigations may vary and suggest possible explanations for variations
  - 66.0 describe the impact of school and community on natural resources
  
- GCO2
  - 1.0 propose questions to investigate and practical problems to solve
  - 2.0 rephrase questions in a testable form
  - 3.0 state a prediction and a hypothesis
  - 4.0 define objects and events in investigations
  - 5.0 identify and control major variables in investigations
  - 6.0 devise procedures to carry out a fair test and to solve a practical problem
  - 7.0 identify appropriate tools, instruments, and materials to complete investigations
  - 8.0 carry out procedures to explore a given problem and to ensure a fair test, controlling major variables

- 9.0 select and use tools
- 10.0 follow procedures
- 11.0 select and use tools for measuring
- 12.0 make observations and collect information that is relevant to the question or problem
- 13.0 estimate measurements
- 14.0 record observations
- 15.0 identify and use a variety of sources and technologies to gather relevant information
- 16.0 construct and use devices for a specific purpose
- 17.0 classify according to several attributes and create a chart or diagram that shows the method of classifying
- 18.0 compile and display data
- 19.0 identify and suggest explanations for patterns and discrepancies in data
- 20.0 evaluate the usefulness of different information sources in answering a question
- 21.0 draw a conclusion that answers an initial question
- 22.0 suggest improvements to a design or constructed object
- 23.0 identify potential applications of findings
- 24.0 identify new questions or problems that arise from what was learned
- 25.0 communicate questions, ideas, and intentions, and listen to others while conducting investigations
- 26.0 collaborate with others to devise and carry out procedures
- 27.0 ask others for advice or opinions
- 28.0 identify problems as they arise and collaborate with others to find solutions
- GCO3
  - 34.0 identify patterns of indoor and outdoor air movement
  - 35.0 relate the constant circulation of water on Earth to the processes of evaporation, condensation and precipitation
  - 56.0 group materials as solids, liquids or gases, based on their properties
  - 59.0 describe changes that occur in the properties of materials when they interact with each other
  - 61.0 investigate whether mass changes when materials interact
  - 73.0 describe nutritional and other requirements for maintaining a healthy body