

## Northwest Territories

### Grade 4

#### *Science*

##### Specific Learning Outcomes

- Identify, through observation, various factors that affect plants and animals in specific habitat (e.g., availability of water, food sources, light, ground features, weather and seasonal conditions)
- Describe structural adaptations of plants and animals that demonstrate a response to their environment (e.g., the height of a plant depends on the amount of sunlight the plant gets; many animals that live in the Arctic have white camouflage)
- Use appropriate vocabulary, including correct science and technology terms, in describing their investigations, explorations, and observations (e.g., habitat, population, ecological niche, community, food chain)
- Compile data gathered through investigation in order to record and present results, using tally charts, tables, and labeled graphs produced by hand or with a computer (e.g., display data gathered in a population simulation exercise, using a labeled graph; classify species of insects in the neighborhood according to habitat, using a chart or table)
- Communicate the procedures and results of investigations for specific purposes and to specific audiences using electronic media, oral presentations, written notes and descriptions, drawings, pictograms and charts (e.g., prepare a poster illustrating the components of a local habitat; trace a food chain in an illustrated chart, using the sun as the starting point)
- Describe ways in which humans are dependent on plants and animals (e.g., for food products, medicine, heat, lumber, other building materials, and clothing (e.g., moose/caribou hides, cotton))
- Show the effects on plants and animals of the loss of their natural habitat (e.g., nesting sites for ducks can be destroyed if a road acts as a dam, global warming);

#### *Math*

##### Specific Learning Outcomes

- Demonstrate an understanding of area of regular and irregular 2-D shapes by:
  - recognizing that area is measured in square units
  - selecting and justifying referents for the units  $\text{cm}^2$  or  $\text{m}^2$
  - estimating area, using referents for  $\text{cm}^2$  or  $\text{m}^2$
  - determining and recording area ( $\text{cm}^2$  or  $\text{m}^2$ )
  - constructing different rectangles for a given area ( $\text{cm}^2$  or  $\text{m}^2$ ) in order to demonstrate that many different rectangles may have the same area.
- Demonstrate an understanding of many-to-one correspondence

## *Language Arts*

### Specific Learning Outcomes

- Connect new information and experiences with prior knowledge to construct meaning in different contexts
- Express new concepts and understandings in own words and explain personal opinions
- Ask general and specific questions on topics using predetermined categories in own and group inquiry
- Select and use a plan for gathering information for own and group inquiry
- Review gathered information and questions and add to knowledge gained from inquiry or research process

## *Health*

### Specific Learning Outcomes

- identify six major nutrients found in foods and their functions
- identify a variety of foods which are excellent sources of major nutrients
- prepare nutritious snacks
- state the importance of nutritious snacks