

GIS Specific Learning Outcomes

Grade 7

- 7-S-204 Create maps using a variety of information sources, tools, and technologies.
Examples: observation, traditional knowledge, geographic information systems (GIS), Global Positioning Systems (GPS)...

Grade 10

- S2-S-202 Select and use appropriate tools and technologies to accomplish tasks.
Examples: Geographic Information Systems (GIS) and Global Positioning Systems (GPS)...
- S2-S-203 Construct maps using a variety of information sources and technologies.
Examples: observation, traditional knowledge, compass, Geographic Information Systems (GIS) and Global Positioning Systems (GPS)...

Grade 3: Communities of the World

Cluster 2

- 3-KL-014 Locate on a map or globe the equator and the Northern and Southern hemispheres.
- 3-KL-015 Locate on a map or globe the continents and oceans.
- 3-KL-016 Identify maps, aerial photographs, and satellite images as representations of the surface of the Earth.

Grade 4: Manitoba, Canada, and the North: Places and Stories

Cluster 1

- 4-KL-016 Locate the geographic regions on a map of Canada.
Examples: Western Cordillera, Prairie Region, Canadian Shield, St. Lawrence - Great Lakes Lowlands, Atlantic Region, Arctic Region...
- 4-KL-017 Describe characteristics of the geographic regions of Canada.
Examples: landforms, bodies of water, vegetation, climate, population distribution...
- 4-KL-018 Locate the oceans, major landforms, lakes, and waterways on a map of Canada.
- 4-KL-019 Locate the provinces, territories, and capital cities on a map of Canada.

Cluster 3

- 4-KL-020 Locate on a map and describe geographic features of Manitoba.
Examples: lakes and rivers, landforms, vegetation, forests, parks, cities and towns, First Nations communities...

4-KL-021 Locate on a map and identify major natural resources in Manitoba.

4-KL-022 Describe the main demographic features of Manitoba.
Include: population, population distribution, cultural communities.

Cluster 5

4-KL-028 Locate on a map and describe physical features of the northern territory studied.

4-KL-030 Describe the demographic features of the northern territory studied.
Examples: population, population distribution...

Grade 5: Peoples and Stories of Canada to 1867

Cluster 1

5-KL-015 Locate on a map of Canada the major physical regions, vegetation zones, and bodies of water.

5-KL-016 Locate on a map of North America the traditional territories of First Peoples.

Cluster 2

5-KL-018 Locate on a map of Canada places of historical significance during early European colonization.
Include: L'Anse aux Meadows, L'Acadie, La Nouvelle-France.

5-KG-043 Identify European countries that established colonial empires and locate on a world map their areas of colonization.
Include: Portugal, Spain, France, England, Holland.

Cluster 3

5-KL-020 Locate on a map of Canada places and regions of historical significance to the fur trade and the Métis Nation.

Cluster 4

5-KL-022 Locate on a map of Canada the four provinces of Confederation in 1867.

5-KL-023 Locate on a map of western Canada traditional Métis lands and communities.

Grade 6: Canada: A Country of Change (1867 to Present)

Cluster 1

6-KL-022 Locate on a map of Canada the major landforms and bodies of water.

6-KL-023 Locate on a map the major settlements of Rupert's Land and the original provinces of Canada in 1867.

Cluster 3

6-KL-025 Locate on a map of Canada the provinces, territories, and capital cities.

Grade 7: People and Places in the World

Cluster 1

7-KL-016 Locate on a world map the continents, major landforms, and major bodies of water.

7-KL-017 Locate on a world map and describe the major climatic and vegetation zones.

7-KL-018 Locate on a world map the major population clusters and explain the relationship between population distribution and the natural environment.

7-KL-018F Locate on a world map the major francophone countries.

7-KL-020 Locate the time zones on a world map and explain their purpose.

7-KG-032 Identify on a world map the more and less developed nations and explain why a nation is considered to be more or less developed.

7-KP-038 Compare the accuracy of various map projections and describe their influence on perceptions of the size and importance of the continents.
Examples: Goode, Mercator, Peters, Robinson, polar...

Cluster 3

7-KL-022 Identify on a map the major cities, landforms, and bodies of water of a society of Asia, Africa, or Australasia.

Cluster 4

7-KL-024 Identify on a map the major cities, landforms, and bodies of water of a society of Europe or the Americas.

Grade 8: World History: Societies of the Past

Cluster 2

8-KL-023 Locate on a map the major landforms, bodies of water, and population clusters of a society of Mesopotamia, Egypt, or the Indus Valley.

Cluster 3

8-KL-025 Illustrate on a map the expansion of the Roman Empire.

Cluster 4

8-KP-049 Locate on a map and describe the Arab conquests in the Middle East, North Africa, India, and southern Europe in the seventh and eighth centuries.

- 8-KP-050 Locate on a map and describe the impact of the Viking invasions on Europe from the ninth to twelfth centuries.
- 8-KP-051 Locate on a map and describe the expansion of the Mongol Empire into China, Europe, and the Middle East in the thirteenth century.
- 8-KP-053 Locate on a map and describe the nature of the Ottoman Empire and its expansion into the Middle East, North Africa, India, and Europe from the fourteenth to sixteenth centuries.

Cluster 5

- 8-KL-026 Illustrate on a world map the voyages of European explorers during the fifteenth to eighteenth centuries.
Examples: Christopher Columbus, Giovanni Caboto, Vasco da Gama, Ferdinand Magellan, James Cook...

Grade 9: Canada in the Contemporary World

Cluster 1

- S1-KL-025 Identify on a map distinguishing elements of the physical and human geography of Canada.
Include: political boundaries, capital cities, population clusters, regions

Cluster 4

- S1-KL-027 Analyze demographic factors and predict future trends in Canada.
Examples: birth rates, life expectancy, immigration, increased urbanization...

Grade 10: Geographic Issues in the 21st Century

Cluster 1

- S2-KL-012 Locate major physical features on a map of North America.
- S2-KL-013 Locate international political divisions on a map of North America.
- S2-KL-014 Locate provinces, territories, and capital cities on a map of Canada.
- S2-KL-016 Identify global environmental types on a map of the world.
- S2-KL-017 Locate on a map of Manitoba global environmental types found in Manitoba.
- S2-KL-018 Locate on a map of the world major population clusters and explain the relationship between population and global environmental types.
- S2-KL-019 Explain the concept of eco-zones and identify the eco-zones on a map of Canada.
Include: eco-zones identified by Environment Canada.

S2-KP-047 Describe ways in which various globes, maps, and map projections may influence perceptions.
Examples: relative size and position; power, sovereignty...

Cluster 2

S2-KL-021 Identify major natural resources on a map of the world, a map of North America, and a map of Canada.
Include: water, forestry, fossil fuels, metallic and non-metallic minerals.

Cluster 3

S2-KL-022 Identify the major food production areas on a map of the world and a map of Canada.
Examples: cereal, dairy, livestock...

S2-KL-023 Identify physical conditions required to produce major food crops.
Examples: topography, soil, climate, water...

S2-KG-042 Give examples of the impact of climate change on food production.
Examples: social, economic, political...

S2-KG-044 Identify issues relating to scarcity and distribution of food.

Cluster 4

S2-KL-026 Identify on a map of the world Canada's major trading partners and major products traded.

S2-KL-027 Identify on a map of the world and on a map of North America major manufacturing regions.

Cluster 5

S2-KL-029 Locate major urban centres on a map of the world and on a map of North America.