

grade	curriculum	"Caring for our Watersheds program" best fits to Manitoba Curriculum
7	science	<p><b>Cluster 1: Interactions Within Ecosystems</b>            7-1-05 Identify and describe positive and negative examples of human interventions that have an impact on ecological succession or the makeup of ecosystems.            Examples: positive protecting habitats, reintroducing species; negative-preventing natural fires, introducing non-indigenous species, draining wetland for agriculture or housing...</p> <p>7-1-06 Identify environmental, social, and economic factors that should be considered in the management and preservation of ecosystems.            Examples: habitat preservation, recreation, employment, industrial growth, resource development...</p> <p>7-1-07 Propose a course of action to protect the habitat of a particular organism within an ecosystem.            Examples; protect the nesting habitat of a given bird in a local wetland...</p> <p><b>Cluster 4: Earth's Crust</b>            7-4-10 Describe methods used to control soil erosion, and recognize the importance of soil conservation.            Examples: economically important to the agri-food industry, important for controlling the flow of water, necessary for plant growth...</p> <p>7-4-11 Identify environmental, social, and economic factors that should be considered in making informed decisions about land use.</p>
7	social science	<p><b>Active Democratic Citizenship</b>            S-103 Make decisions that reflect the principles of sustainable development.</p> <p><b>Critical and Creative Thinking</b>            S-307 Compare differing viewpoints regarding global issues.</p> <p><b>Cluster 2: Global Quality of Life</b>            KC-002 Describe the impact of various factors on quality of life in Canada and elsewhere in the world.            Examples: access to shelter, food, water, health care, and education; globalization ...</p>
8	science	<p><b>Cluster 4: Water Systems</b>            8-4-05 Describe how the heat capacity of large bodies of water and the movement of ocean currents influence regional climates.            Examples: Gulf Stream effects, El Niño, lake effect...</p> <p>8-4-11 Describe examples of human interventions to prevent riverbank or coastal erosion.            Examples: vegetation, reinforcement (concrete, boulders), piers, breakwaters...</p> <p>8-4-12 Identify factors that can cause flooding either individually or in combination.            Examples: heavy snow pack, quick thaw, rain in spring, lack of vegetation to remove water through transpiration, frozen ground preventing absorption, agricultural systems, dams, diversions...</p> <p>8-4-13 Provide examples of the way in which technology is used to contain or prevent damage due to flooding, and discuss related positive and negative impacts.            Examples: floodway, diversion, dike, levee ...</p> <p>8-4-14 Identify sources of drinking water and describe methods for obtaining water in areas where supply is limited.            Examples: desalination, melting of ice, condensation...</p>

8	social science	<p><b>Active Democratic Citizenship</b> S-103 Make decisions that reflect the principles of sustainable development.</p> <p><b>Critical and Creative Thinking</b> S-307 Compare differing viewpoints regarding global issues. VL-008 Appreciate the importance of sustaining the natural environment for future societies.</p>
9	science	<p><b>Cluster 3: The nature of electricity</b> 9-3-23 Recognize and explain the importance of incorporating principals of electrical energy conservation into the decision making process. 9-3-24 Use the decision-making process to address an issue associated with the generation and transmission of electricity in Manitoba. Include: hydroelectric power, sustainability.</p>
9	social science	<p><b>Cluster 3: Canada in the Global Context</b> KG-036 Give examples of decisions that reflect the responsibilities of global citizenship. Include personal and national decisions. KE-051 Analyze possible consequences of their consumer choices. VE-017 Be willing to consider the impact of their consumer choices.</p> <p><b>Cluster 4: Canada: Opportunities and Challenges</b> KL-028 Evaluate Canadian concerns and commitments regarding environmental stewardship and sustainability.</p>
10	science	<p><b>Cluster 1: Dynamics of Ecosystems</b> 10-1-01 Illustrate and explain how carbon, nitrogen, and oxygen are cycled through an ecosystem. 10-1-02 Discuss factors that may disturb biogeochemical cycles. Include natural events, human activities 10-1-03 Describe bioaccumulation and explain its potential impact on consumers. Examples: DDT, lead, dioxin, PCBs, mercury... 10-1-07 Discuss the potential consequences of introducing new species and of species extinction to an ecosystem. 10-1-10 Investigate how human activities affect an ecosystem and use the decision-making model to propose a course of action to enhance its sustainability. Include: impact on biogeochemical cycling, population dynamics, and biodiversity</p> <p><b>Cluster 2: Chemistry in Action</b> 10-2-12 Investigate technologies that are used to reduce emissions of potential air pollutants. Examples: catalytic converters in automobiles, regulation of vehicle emissions, elimination of CFCs from refrigerants and aerosol propellants...</p>

10	social science	<p><b>Cluster 2: Natural Resources</b>  KC-002 Describe sustainability issues related to natural resource extraction and consumption.  VP-009 Be willing to consider the implications of personal choices regarding natural resources.  KH-033 Identify factors that influence the changing use of natural resources over time.  Examples: technology, culture...  KP-041 Identify ways in which competing interests and needs influence control and use of the land and natural resources in Canada.  Examples: mining, forestry, water...  VI-003 Be willing to consider diverse views regarding the use of natural resources.</p> <p><b>Cluster 4: Industry and Trade</b>  KG- 039 Define the concept of globalization and identify related social issues.  KE-047 Identify factors that determine the location of industry.  Examples: energy, raw materials, transportation, labour, markets government policies...  KE-048 Use examples to describe the advantages and disadvantages of locating a manufacturing industry in a particular area.  VG-008 Be willing to consider the social and environmental impacts of their consumer choices.  VE-011 Be willing to consider the economic implications of their consumer choices.</p> <p><b>Cluster 5: Urban Places</b>  KI-007 Analyze urban social issues.  KL-029 Describe the impact of urbanization on Canadian ways of life.  KL-030 Describe urban environmental and economic issues.  Examples: land use, relationship to hinterland, infrastructure...  KL-031 Describe the role of urban planning and use examples to illustrate its importance.  KE-050 Use Canadian examples to describe the major functions of urban places. Examples: administration, service, tourism, transportation...  KE-51 Identify issues related to urban growth and decline.  VE-012 Appreciate the interdependence between urban centres and hinterlands.</p>
10	physical/health	<p><b>1. Movement</b>  A.1.6 Appreciate and respect the natural environment while participating in physical activity.</p>
11	science	<p><b>Decision-Making</b>  S3B-0-D1 Identify and explore a current issue.  Examples: clarify what the issue is, identify different viewpoints and/or stakeholders, research existing data/information.  S3B-0-D2 Evaluate implications of possible alternatives or positions related to an issue.  Examples: positive and negative consequences of a decision, strengths and weaknesses of a position...  S3B-0-D3 Recognize that decisions reflect values and consider their own values and those of others when making a decision.  S3B-0-D4 Recommend an alternative or identify a position and provide justification.  S3B-0-D5 Propose a course of action related to an issue.  S3B-0-D6 Evaluate the process used by themselves or others to arrive at a decision.</p>
11	social science	new physical geography curriculum coming soon

12	science	<p><b>Unit 5 - CONSERVATION OF BIODIVERSITY</b></p> <p>S4B-5-01 Discuss a variety of reasons for maintaining biodiversity. Include: maintaining a diverse gene pool, economic value, sustainability of an ecosystem.</p> <p>S4B-5-02 Describe strategies used to conserve biodiversity. Examples: habitat preservation, wildlife corridors, species preservation programs, public education...</p> <p>S4B-4-04 Investigate an issue related to the conservation of biodiversity. Examples: heritage seeds, water quality in Lake Winnipeg, land use designations, hydroelectric development...</p>
12	social science	<p><b>Unit IV – World Resources, Energy, and Environment</b></p> <p>1. World Resources: Distribution and Demands</p> <ul style="list-style-type: none"> <li>• What is a resource? What resources are considered essential today? Why?</li> <li>• Where are major resources located? How do they differ?</li> <li>• How does the demand for resources affect the interdependence among countries? How does the increased demand for resources affect the environment and the economy? Who should manage resource development in a country?</li> <li>• Who should own the resources in international waters? Why?</li> <li>• What is meant by the term sustainable development? How is it defined and how did it evolve?</li> </ul> <p>2. World Energy: Present Status and Future Prospects</p> <ul style="list-style-type: none"> <li>• What are the benefits and problems associated with various forms of energy?</li> <li>• What alternate energy sources are being researched today? With what success? What predictions can be made about the future with respect to energy?</li> </ul> <p>3. Present Challenges</p> <ul style="list-style-type: none"> <li>• What conclusions can be drawn if present trends in resource and energy development continue?</li> <li>• What changes need to be made in energy production and consumption in order to implement the principles and guidelines of sustainable development?</li> </ul>