

Manitoba Species at Risk Partnerships on Agricultural Land

CURRICULUM CONNECTIONS (GR. 4, 7, 10 & 12)

GRADE 4 SOCIAL STUDIES

Cluster 3: Living in Manitoba	
4-KL-023	Identify issues related to environmental stewardship and sustainability in Manitoba.
4-VL-006	Appreciate Manitoba's natural environment

GRADE 4 SCIENCE

Cluster 1: Habitats and Communities	
4-1-02	Recognize that each plant and animal depend on a specific habitat to meet its needs.
4-1-07	Investigate and describe a variety of local and regional habitats and their associated populations of plants and animals.
4-1-09	Recognize that plant and animal populations interact within a community.
4-1-13	Predict, based on their investigations, how the removal of a plant or animal population may affect the rest of the community.
4-1-14	Investigate natural and human-caused changes to habitats and identify resulting effects on plant and animal populations. Include: endangerment, extinction.

GRADE 7 SOCIAL STUDIES

Skills	
7-S-103	Make decisions that reflect principles of environmental stewardship and sustainability.
7-S-301	Evaluate the advantages and disadvantages of solutions to a problem.
7-S-302	Draw conclusions based on research and evidence.
7-S-303	Evaluate personal assumptions based on new information and ideas.
7-S-306	Assess the validity of information sources. Examples: purpose, context, authenticity, origin, objectivity, evidence, reliability...
7-S-400	Listen to others to understand their perspectives.
Cluster 4: Human Impact in Europe or the Americas	
7-KL-029	Give examples of the impact of human activity on the natural environment in a society of Europe or the Americas. Examples: endangered plant and animal species, reforestation, restoration of wetlands...
7-KE-053	Describe sustainable development issues in a society of Europe or the Americas.

7-KE-052	Identify issues related to food production and distribution in a society of Europe or the Americas.
7-VE-017	Be willing to consider the consequences of their consumer choices.

GRADE 7 SCIENCE

Cluster 1: Interactions Within Ecosystems	
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.
7-1-06	Identify environmental, social, and economic factors that should be considered in the management and preservation of ecosystems.
7-1-07	Propose a course of action to protect the habitat of a particular organism within an ecosystem.

GRADE 10 GEOGRAPHIC ISSUES OF THE 21ST CENTURY

Skills	
S-103	Promote actions that reflect principles of sustainability.
S-301	Consider the context of events, accounts, ideas, and interpretations.
S-303	Reconsider personal assumptions based on new information and ideas.
S2-S-305	Compare diverse perspectives and interpretations in the media and other information sources.
S2-S-400	Listen to others to understand their perspectives.
Cluster 1: Geographic Literacy	
S2-VL-005	Respect the Earth as a complex environment in which humans have important responsibilities.
S2-KL-018	Explain the importance of stewardship in the preservation of the Earth's complex environment.
Cluster 3: Food from the Land	
S2-KL-023	Describe the impact of various agricultural practices on the physical environment. Examples: soil erosion, water quality, soil fertility...
S2-KI-005	Identify human factors affecting the production and use of various types of food. Examples: cultural, economic, political, marketing...
S2-VL-006	Be willing to consider the environmental consequences of their food choices.
S2-VP-010	Be willing to consider the economic and political influence of their food choices. Examples: food fashions, food aid, food shortages...

GRADE 10 SCIENCE

Cluster 1: Dynamics of Ecosystems	
S2-1-08	Observe and document a range of organisms that illustrate the biodiversity within a local or regional ecosystem.
S-301	Investigate how human activities affect an ecosystem and use the decision-making process to propose a course of action to enhance its sustainability. Include: impact on biogeochemical cycling, population dynamics, and biodiversity.

GRADE 12 GLOBAL ISSUES: CITIZENSHIP & SUSTAINABILITY

Relevant to the Following Areas of Inquiry	
	Consumerism
	Environment
	Sustainable Agriculture

GRADE 12 BIOLOGY

Part 2: Biodiversity – Unit 5: Conservation of Biodiversity	
B-12-5-01	Discuss a variety of reasons for maintaining biodiversity. Include: maintaining a diverse gene pool, economic value, and sustainability of an ecosystem
B12-5-02	Describe strategies used to conserve biodiversity.
B12-5-04	Investigate an issue related to the conservation of biodiversity.