Pathway
to Stewardship & Kinship

Pathway Links to the Ontario Curriculum

Grade Twelve

Canadian and World Studies (2015)

Geography

- Analyse strategies and initiatives that support environmental stewardship at a national and global level, and assess their effectiveness in promoting the sustainability of the natural environment;
- Assess ways in which stewardship practices can contribute to the sustainability of human settlements;
- Describe ways in which human societies modify their local environments in order to meet economic, social, political, and other needs, and assess the effects of these modifications on sustainability;
- Use the geographic inquiry process and the concepts of geographic thinking when investigating issues related to the environment and the management of natural resources;
- Assess various strategies used for protecting natural spaces and species, locally, nationally, and globally;
- Assess impacts of human population settlement on natural spaces and species;
- Analyse challenges involved in reducing pollution from human activities, and assess the effectiveness of various methods of pollution reduction;
- Evaluate impacts of various types of pollution on the natural environment and on human health;
- Describe key ecological and biological processes, and explain how they are affected by human activities;
- Assess a variety of strategies for resolving environmental and natural resource management issues, locally, nationally, and/or globally;
- Assess impacts of community land use and infrastructure on humans and the natural environment, and assess ways of reducing these impacts;
- Analyse the role of individuals, the local community, and governments in achieving sustainability, and assess opportunities for personal stewardship and involvement in sustainability initiatives;
- Use the geographic inquiry process and the concepts of geographic thinking when investigating issues relating to the natural environment and sustainability;
- Assess the contributions of stewardship initiatives by groups and individuals to the sustainable use and management of natural resources, locally, nationally, and globally;
- Assess the role of various strategies, organizations, and agreements in reducing the impact of human activity on the environment.

History

- Explain how various social and environmental factors affected the lives of people in two or more societies in different regions of the world and at different times up to the fifteenth century.

Health and Physical Education (2015)

- Participate actively and regularly in a wide variety of physical activities, and demonstrate an understanding of factors that can influence and support their participation in physical activity now and throughout their lives;
- Demonstrate an understanding of the importance of being physically active, and apply physical fitness concepts and practices that contribute to healthy, active living;
- Demonstrate responsibility for their own safety and the safety of others as they participate in Grade 12, Open physical activities;
- Demonstrate an understanding of factors that contribute to healthy development;
- Demonstrate the ability to apply health knowledge and living skills to make reasoned decisions and take appropriate actions relating to their personal health and well-being;

- Demonstrate an understanding of the concept of leadership and of the attributes, skills, and styles needed to be an effective leader;

- Demonstrate an understanding of group dynamics, and apply teamwork skills in a variety of contexts related to healthy, active living;
- Identify and explain the benefits of lifelong participation in active recreation and healthy leisure, and demonstrate an understanding of factors that enable and constrain participation in active recreation and healthy leisure activities;
- Demonstrate an understanding of mentorship and the methods used by effective mentors to contribute to the growth and development of others;
- Demonstrate the ability to help others develop and implement a personal healthy active living plan.

Science (2008)

Biology

- Analyse the role of metabolic processes in the functioning of biotic and abiotic systems, and evaluate the importance of an understanding of these processes and related technologies to personal choices made in everyday life;
- Analyse the relationships between population growth, personal consumption, technological development, and our ecological footprint, and assess the effectiveness of some Canadian initiatives intended to assist expanding populations.

Chemistry

- Analyse the cumulative effects of human activities and technologies on air quality, and describe some Canadian initiatives to reduce air pollution, including ways to reduce their own carbon footprint;
- Evaluate the impact on society, human health, and the environment of products made using organic compounds;
- Evaluate the importance of government regulations, scientific analyses, and individual actions in improving air and water quality, and propose a personal plan of action to support these efforts;
- Demonstrate an understanding of chemical reactions that occur in the environment as a result of both natural processes and human activities.

Environmental Science

- Analyse social and economic issues related to an environmental challenge, and how societal needs influence scientific endeavours related to the environment;
- Investigate a range of perspectives that have contributed to scientific knowledge about the environment, and how scientific knowledge and procedures are applied to address contemporary environmental problems;
- Demonstrate an understanding of major contemporary environmental challenges and how we acquire knowledge about them;
- Evaluate the impact of agricultural and forestry practices on human health, the economy, and the environment;
- Investigate conditions necessary for plant growth, including the soil components most suitable for various species, and various environmentally sustainable methods that can be used to promote growth;
- Demonstrate an understanding of conditions required for plant growth and of a variety of environmentally sustainable practices that can be used to promote growth;
- Analyse selected current environmental problems in terms of the role human activities have played in creating or perpetuating them, and propose possible solutions to one such problem;
- Investigate air, soil, and water quality in natural and disturbed environments, using appropriate technology;
- Demonstrate an understanding of some of the ways in which human activities affect the environment and how the impact of those activities is measured and monitored.

Physics

- Analyse technologies that apply principles of and concepts related to energy transformations, and assess the technologies' social and environmental impact;
- Analyse the social, economic, and environmental impact of electrical energy production and technologies related to electromagnetism, and propose ways to improve the sustainability of electrical energy production.

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Social Studies and Humanities (2013)

Equity Studies

- Analyse a range of historical and contemporary equity and social justice issues and the impact of economic and environmental factors on these issues.

Family Studies

- Demonstrate an understanding of global textile production and its social and environmental impact; Globalization and Social Responsibility;
- Demonstrate an understanding of the impact of globalization on the fashion industry and of strategies for reducing the negative impact of the industry;
- Demonstrate an understanding of the impact of food production on the environment;
- Demonstrate an understanding of practices related to responsible consumerism;
- Demonstrate an understanding of the components of personal well-being, how to achieve and maintain it, and its importance throughout the life course;
- Demonstrate an understanding of how developmentally appropriate environments and experiences promote healthy development in children.