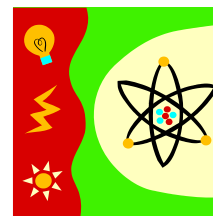




Cardinal Leger Secondary School Science Department



Course Name: Gr. 11 Environmental Science

Course Code: SVN 3E1

Level: Workplace

Teacher:

Textbook:

Ministry Guidelines: Ontario Curriculum

Room:

Replacement Cost:

Number:

Course Overview:

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of human activities on the environment, human health and the environment, energy conservation, resource science and management, and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy

Curriculum Strands and Overall Expectations:

Scientific Investigation Skills and Career Exploration

- Demonstrate scientific investigation skills (relating to both inquiry and research) in the four areas of skills (initiating and planning, performing and recording, analyzing and interpreting, and communicating)
- Identify and describe careers related to the fields of science under study, and describe contributions of scientists, including Canadians, to those fields

The Safe and Environmentally Responsible Workplace

- Assess workplace situations with respect to safety and environmental issues, and propose a course of action to address
- unsafe working conditions
- Investigate a variety of safe and environmentally responsible workplace practices
- Demonstrate an understanding of general workplace safety procedures and environmentally responsible practices

Human Impact on the Environment

- Analyze 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

Human Health and the Environment

- Analyze the effects on human health of environmental contaminants and a significant environmental phenomenon
- Investigate how different environmental factors can affect people's health and their lifestyle choices
- Demonstrate an understanding of the ways in which environmental factors can affect human health and how their impact can be reduced

Energy Conservation

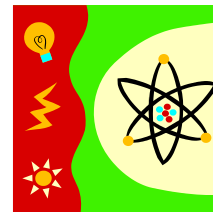
- Evaluate initiatives and technological innovations related to energy consumption and conservation, and assess their impact on personal lifestyles, social attitudes, and the environment
- Investigate various methods of conserving energy and improving energy efficiency
- Demonstrate an understanding of the basic principles of energy production, with reference to both renewable and non-renewable sources, and of various methods of energy conservation

Natural Resource Science and Management

- Assess the environmental impact of the harvesting and/or extraction of resources, including ways of reducing this impact, and analyze threats to the sustainability of natural resources
- Investigate methods scientists use to classify and monitor natural resources, and conduct investigations using those methods
- Demonstrate an understanding of the sustainable use of resources and its relationship to the biodiversity and sustainability of ecosystems



Cardinal Leger Secondary School Science Department



Evalutaion:

Term Work	70%
Knowledge and Understanding	25%
Thinking	35%
Communication	15%
Application	25%
Final Assessment	30%
Formal Examination	20%
Culminating Task	10%
Course Total	100%

Learning Skills and Work Habits

E= Excellent G=Good S=Satisfactory N= Needs Improvement

Responsibility	<ul style="list-style-type: none"> • Fulfills responsibility and commitments. • Takes responsibility for and manages own behavior.
Organization	<ul style="list-style-type: none"> • Devises and follows a plan and process for completing tasks. • Establishes priorities and manages time
Independent Work	<ul style="list-style-type: none"> • Independently monitors, assesses, and revises plans to complete tasks and meet goals. • Uses class time to complete tasks.
Collaboration	<ul style="list-style-type: none"> • Accepts various roles and an equitable share of work in a group. • Builds healthy peer-to-peer relationships.
Initiative	<ul style="list-style-type: none"> • Looks for and acts on new ideas and opportunities. • Approaches new tasks with a positive attitude.
Self-Regulation	<ul style="list-style-type: none"> • Sets own goals and monitors progress towards achieving them. • Seeks clarification or assistance when needed.

Missed/Late/Incomplete Assignments

It is the student's responsibility to address missed, late, or incomplete assignments. Students are expected to complete assignments and to adhere to assignment deadlines as follows:

Due Date	10% Penalty Zone	Closure Date
A due date is set by the teacher.	1 school day late – 3% 2 school days late – 6% 3 school days late – 10% Maximum penalty of 10%	Once the closure date has passed, work is considered incomplete and a mark of zero applies.

Parent Signature: _____ Student Signature: _____