

Level of Instruction: Senior High

Curriculum Overview:

Environmental Science 3205 is an academic Pan-Canadian science course that aims to develop scientific literacy. Scientific literacy is an evolving combination of the science related attitudes, skills, and knowledge students need to develop inquiry, problem-solving, and decision-making abilities; to become lifelong learners; and to maintain a sense of wonder about the world around them.

Environmental Science 3205 provides students with an introduction to the content of environmental science. This course is activity-oriented and employs a variety of learning/teaching strategies that emphasize the development of higher level process skills. Through objective and critical examination of present environmental management and conservation procedures, an appreciation for the need of creating a sustainable environment is promoted.

Authorized Learning Resource:

Toward a Sustainable Future: Challenges, Changes, Choices.

Unit Plan:

Environmental Science 3205 is composed of five units that contain core activities. All schools are expected to complete these core areas and adhere to the sequence of units outlined below.

Unit 1: Introduction to Environmental Science

Unit 2: Recreation and the Environment

Unit 3: Land Use and the Environment

Unit 4: Water and the Environment

Unit 5: The Atmosphere and the Environment

Assessment:

Assessment in this course is governed by the *Assessment and Evaluation Policy* of the Eastern School District. This policy is located at http://www.esdnl.ca/about/policies/esd/i_IL.pdf. The regulations are located at <http://www.esdnl.ca/aboutesd/policies/regulations.jsp?cat=I&code=IL>

Assessment is intended to inform instruction, provide feedback to students, and meet the needs of diverse learners. It is used for the purposes of grading, certifying, and promoting students. All assessments should be outcome-based and designed to test students' basic

knowledge of content, their understanding and ability to apply content, and ability to synthesize and problem solve. Assessments should provide equal opportunity for all students according to their abilities, needs, and interests. As a result, teachers make adaptations to accommodate the diverse range of learners in their classes.

Assessment and Evaluation Plan for Environmental Science 3205:

Evaluation is the process of analysing, reflecting upon, and summarizing assessment information, and making judgments or decisions based upon the information gathered. All schools are expected to adhere to the evaluation scheme below for Environmental Science 3205.

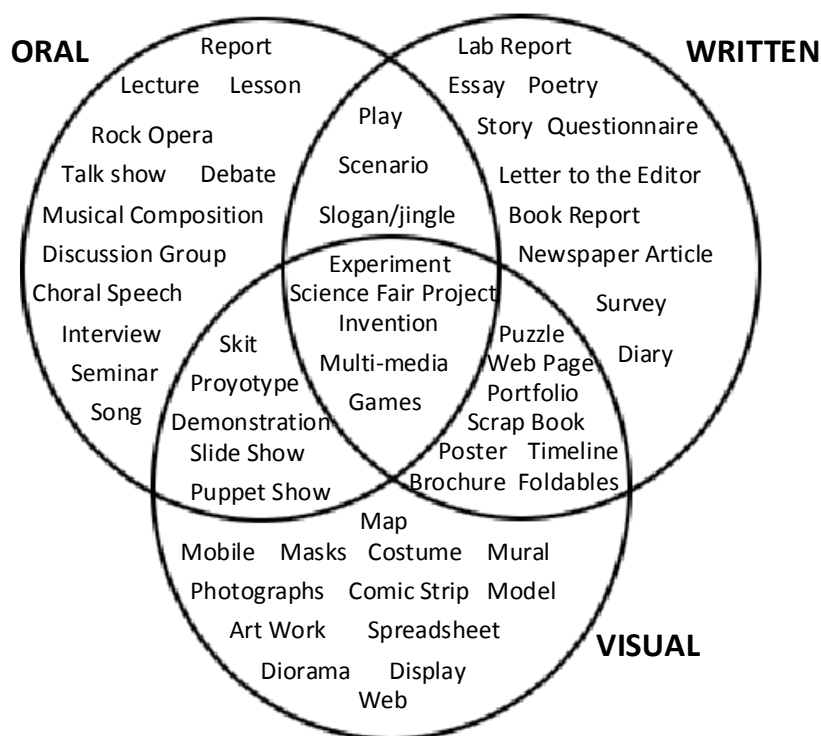
Tests/Quizzes	40%
Performance Assessment	60%

Note: Summative examinations are not included in the evaluation of Environmental Science 3205. Students are required to complete a formative assessment during the examination periods in January and June.

Note: All evidence of learning shall be considered when determining a student’s final grade. Averaging shall not be used as a sole indicator of a student’s level of attainment of the course outcomes.

Performance Assessment:

Performance assessments should emphasize project-based learning and require students to show what they can do by using a wide variety of activities that permit students to have their learning styles addressed. Performance assessment should also include student self-assessment. Some suggestions are included in the diagram below.



Rubrics are used to inform and measure learning during performance assessments. A rubric defines the expectations to achieve at a certain level. It also provides information about how well students performed an activity, and it provides a clear indication of what students need to accomplish in the future to better their performance. Links to samples of rubrics for different types of performance assessments can be found on

<http://www.esdnl.ca/programs/rubricresources/>. The Assessment tab of the Teacher Resource contains rubrics and checklists.

Resource Links:

Department of Education Curriculum Guide for Environmental Science 3205

<http://www.ed.gov.nl.ca/edu/k12/curriculum/documents/science/highschool.html#envsci3205>

Science Resources and Support Documents - Senior High

<http://www.ed.gov.nl.ca/edu/k12/curriculum/documents/science/highschool.html>