



Lesson Plan: Integrated Waste Management, Grade 9 Issues in Canadian Geography (CGC1D and CGC1P)

Introduction

Students will learn how Durham Region disposes of their residential waste material and will begin to consider the potential environmental impacts of these methods and what influences these decisions. Students will have an opportunity to discuss waste management and make connections between their actions, disposal, and the environment.

Learning Objectives

1. Demonstrate and understanding of how the Region of Durham currently manages waste
2. Identify and define the five Rs (Rethink, Reduce, Reuse, Recycle and Recover)
3. Identify various ways in which Durham Region manages residential waste material and describe potential environmental impacts of these methods
4. Access the importance of recycling within specific contexts such economic, social and environmental benefits
5. Make connections between personal habits and waste generation
6. Identify ways to get people involved in waste management

Resources Provided (located in the resource folder)

- [Durham Waste Management Website](#)
- Infographics:
 - How does Durham Region currently manage waste?
 - Waste hierarchy

Questions

1. How will the five Rs (Rethink, Reduce, Reuse, Recycle and Recover) help us in the future?
2. Why are rethink and reduce the most important of the five Rs but the most difficult to measure?
3. Why do you think we create so much garbage?
4. Do you think it's necessary to reduce the amount of garbage we create? How can you reduce?
5. How can we get more people to participate in waste diversion programs?

Activity

1. Divide the students into small groups to discuss why the Region of Durham runs waste diversion programs.
2. Each group will brainstorm and write down reasons for recycling within three specific contexts:
 - I. Economic benefits
 - II. Environmental benefits

The Regional Municipality of Durham - Waste Management Services

If this document is required in an accessible format, please contact schoolprograms@durham.ca

III. Social benefits

3. Once the groups have completed their work, each group will present their ideas to the class.

Summary

By implementing the waste reduction strategies, including rethink, reduce, reuse, recycle and recover, we can significantly decrease the environmental impact that waste can have on our communities. Students are encouraged to continue to make connections between their personal waste habits, disposal, and the environment.

Expanded Curriculum Connections

The Ontario Curriculum, Grades 9 and 10: Canadian and World Studies, 2018, (revised)

Issues in Canadian Geography, Grade 9, Academic (CGC1D)

A. Geographic Inquiry and Skill Development

- A1. Geographic Inquiry: use the geographic inquiry process and the concepts of geographic thinking when investigating issues relating to Canadian geography

E. Livable Communities

- E1. The Sustainability of Human Systems: analyse issues relating to the sustainability of human systems in Canada
- E2. Impacts of Urban Growth: analyse impacts of urban growth in Canada

Issues in Canadian Geography, Grade 9 (CGC1P)

A. Geographic Inquiry and Skill Development

- A1. Geographic Inquiry: use the geographic inquiry process and the concepts of geographic thinking when investigating issues relating to Canadian geography

E. Livable Communities

- E1. Sustainable Communities: identify factors that affect the sustainability of communities, and describe strategies for improving their sustainability
- E2. Impacts of Land Use: analyse impacts of land use in Canada on communities and the natural environment

The Regional Municipality of Durham - Waste Management Services

If this document is required in an accessible format, please contact schoolprograms@durham.ca