



Lesson Plan: Careers in Waste Management, Grade 10 Civics and Citizenship (CHV2O)

Introduction

Students will explore career opportunities in waste management and begin to think about their interests and how their interests can be applied in waste management careers. Students will also begin to consider a wide variety of education options to support these opportunities.

Learning Objectives

1. Demonstrate and understanding of the levels of government and regional responsibilities
2. Define solid waste management, municipal waste, and residential waste
3. Use the political inquiry process and the concepts of political thinking when investigating waste management issues
4. Identify ways to get involved in waste management

Resources Provided

- [Durham Region Waste Management Website](#)
- [Durham Region Careers and Volunteering Website](#)
- Durham Region Waste Management Career Videos:
 - [By-law Officer](#)
 - [Waste Disposal Clerk](#)
 - [Policy and Planning](#)
 - [Contract Administration](#)
 - [Landfills Management](#)

Questions

1. Who is responsible for creating waste?
2. Who is responsible for waste once it is set out at the curb?
3. What type of jobs are available in residential waste management?
4. Why is it important to manage residential waste?
5. What can you do as a resident to help manage your waste at home?

Activity

1. Divide the class into four groups representing residents living in communities with the following residential solid waste management strategies:
 - a) No rules regarding waste separation or waste management
 - b) Mandatory waste separation and management with strict rules, regulations, and fines
 - c) Mandatory waste separation and management with relaxed rules, regulations, and minimal fines

The Regional Municipality of Durham - Waste Management Services

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

- d) Voluntary waste separation and management with no obligations to participate
2. Each group will discuss what implications their waste management strategy might have on their communities and develop a list of pros and cons for this method of waste management.

Hint - students should consider program cost, staffing requirements, economic benefits, environmental impacts, human health, aesthetics, etc.

3. Once the groups have completed their work, each group will present their list of pros and cons to the class.
4. After hearing the pros and cons from each group, students must decide if they would like to keep their waste management strategy or move to another group.
5. Have all students move to their group of choice and see where they end up.

Summary

Waste management is an important and ever evolving industry. There are many career opportunities to choose from - from the creation of the waste to its final disposal, as well as the planning, legal and regulatory frameworks required to manage solid waste materials properly and safely. Waste needs to be managed responsibly to protect the environment and human health. How we choose to manage waste today impacts the future. You don't have to wait until you are finished school to get involved in waste management - waste management starts at home with people just like you!

Expanded Curriculum Connections

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

Civics and Citizenship, Grade 10, Open (CHV2O)

A. Political Inquiry and Skill Development

- A1. Political Inquiry: use the political inquiry process and the concepts of political thinking when investigating issues, events, and developments of civic importance
- A2. Developing Transferable Skills: apply in everyday contexts skills developed through investigations related to civics and citizenship education and identify some careers in which civics and citizenship education might be an asset.

B. Civic Awareness

- B1. Civic Issues, Democratic Values: describe beliefs and values associated with democratic citizenship in Canada, and explain how they are related to civic action and to one's position on civic issues
- B2. Governance in Canada: explain, with reference to a range of issues of civic importance, the roles and responsibilities of various institutions, structures, and figures in Canadian governance

C. Civic Engagement and Action

- C1. Civic Contributions: analyse a variety of civic contributions, and ways in which people can contribute to the common good

The Regional Municipality of Durham - Waste Management Services

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

- C2. Inclusion and Participation: assess ways in which people express their perspectives on issues of civic importance and how various perspectives, beliefs, and values are recognized and represented in communities in Canada
- C3. Personal Action on Civic Issues: analyse a civic issue of personal interest and develop a plan of action to address it