



Lesson Plan: Careers in Waste Management, Grade 10 Career Studies (GLC20)

Introduction

Students will explore career opportunities in waste management, from the curb to final disposal and everything in-between. Students will begin to consider a wide variety of education paths to support their interests and career opportunities in waste management.

Learning Objectives

1. Investigate personal interests, goals and strengths and make connections with potential career opportunities in the waste management sector
2. Use a research process to identify and compare postsecondary options
3. Present information to the class
4. Use appropriate and effective forms to create a resume to communicate skills, experience, and achievements

Resources Provided

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

Questions

1. What is waste management?
2. Why is waste management important?
3. What types of jobs are available in waste management in your local region?
4. What might influence you to explore a job/career in waste management?
5. How do you think jobs in the waste management sector might change over time?
6. What are the differences between working for the private and public sector?

Activity

1. As a class, brainstorm what types of jobs would be required to manage the Region's residential waste and write them down on a whiteboard, chalkboard, or SmartScreen. Hint – think of job opportunities from the creation of the product to its disposal.

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2. As a class, watch the Durham Region Waste Management career videos provided in the resources section above and add these jobs to your class list.
3. From the list created by the class or from the list provided in the previous slide, each student will research and record:
 - a. One job they think they would enjoy the most
 - b. How the job relates to municipal solid waste management
 - c. What level of education do they will require? (Direct work placement, Trade, College, University)
 - d. What are the main responsibilities of their selected job?
 - e. Why would they enjoy their selected job?
 - f. How does their personal skill and strengths tie into their selected job?
 - g. What is the typical salary expectation of their selected job?
4. Student will take turns sharing their choice with the class.
5. Students will develop and submit a resume highlighting their strengths and aspirations to prospective mentors, program administrators, employers, and/or investors in relation to the job they have selected and researched.

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 and 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

Guidance and Career Education, Grades 10, 2019 (revised) and Guidance and Career Education, Grades 9 and 10, 2006 (revised)

Career Studies, Grade 10, Open (GLC20)

A. Developing the Skills, Strategies, and Habits Needed to Succeed

- A1. Skills, Strategies, and Habits That Contribute to Success: demonstrate an understanding of the skills, strategies, and habits that can contribute to success in the pursuit of educational and career/life opportunities and in the achievement of a healthy school/life/work balance

B. Exploring and Preparing for the World of Work

- B1. Exploring Work Trends and the Importance of Transferrable Skills: demonstrate an understanding, based on research, of a variety of local and global trends related to work and employment, including the effect some of those trends have had on workers' rights and responsibilities and on the role of transferable skills in career development today

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- B2. Preparing for Future Opportunities: develop a personal profile based on an exploration of their interests, values, skills, strengths, and needs, and examine the range of factors that can influence their future education and career/life opportunities
- B3. Identifying Possible Destinations and Pathways: taking their personal profile into account, explore, research, and identify a few postsecondary destinations of interest, whether in apprenticeship training, college, community living, university, or the workplace, and investigate the secondary school pathways that lead to those destinations

C. Planning and Financial Management to Help Meet Postsecondary Goals

- C1. Creating a Postsecondary Plan: develop a plan for their first postsecondary year, whether in apprenticeship training, college, community living, university, or the workplace, and prepare a variety of materials for communicating their strengths and aspirations to prospective mentors, program administrators, employers, and/or investors