

Waste Management Lesson

Audience

Grade K-3

Big Ideas

Humans interact with matter everyday through familiar materials.

Matter is useful because of its properties

People connect to others and share ideas through the arts

Science Curricular Competencies that will be demonstrated by the end of the lesson

Demonstrate curiosity and a sense of wonder about the world

Observe objects and events in familiar contexts

Compare observations through discussion

Identify simple patterns and connections

Social Studies Curricular Competencies that will be demonstrated by the end of the lesson

Recognize the causes and consequences of events, decisions, and developments in their lives

Language Arts Curricular Competencies that will be demonstrated by the end of the lesson

Use personal experience and knowledge to connect to text and make meaning

Exchange ideas and perspectives to build shared understanding

Plan and create a variety of communication forms for different purposes and audiences

Fine Arts Curricular Competencies that will be demonstrated by the end of the lesson

Create artistic works collaboratively and as an individual, using ideas inspired by imagination, inquiry, experimentation, and purposeful play

Criteria

Students will learn the 3 R's (Reduce, Reuse, and Recycle)

Students will learn what is recyclable and how to sort recycling

Students will learn the 3 R's are important to their daily lives

Students will learn how to reduce waste

Students will complete an art project by reusing materials

Accomodations

Each portion of the lesson has a hands-on portion as well as an active component where every level of abilities should be able to participate.

Students who are struggling with paying attention can be helpers with handing items out and holding posters.

Introduction

TIME	MATERIALS	Competencies
5 minutes		

Introduce yourself and the rules for the workshop participants.

-Sing the three R's song:

Hum the tune of *The More We Get Together*

Now sing these words (once independently, then get group to sing with you)

Reduce, reuse, recycle, recycle, recycle

Reduce, reuse, recycle, it's easy to do

Your trash and my trash

Makes up way too much trash

Reduce, reuse, recycle, it's easy to do.

TIME	MATERIALS	Competencies
10 minutes	Small garbage bag filled with recycleable items Pictures of landfills	Demonstrate curiosity and a sense of wonder about the world Observe objects and events in familiar context Use personal experience and knowledge to connect to text and make meaning Exchange ideas and perspectives to build shared understanding

Ask the students to close their eyes. Read the following:

Listen closely; hear the sounds of a truck rumbling past. You can hear the sounds of seagulls calling a long way away. Take a deep breath in, it is very stinky! Quick plug your nose and open your eyes and look at the pictures. This is a landfill. This is where garbage sometimes goes.

What do the students think we can do to prevent the hole from filling up? (recycle, reduce and reuse)

Sing the song:

Reduce, reuse, recycle, recycle

Reduce, reuse, recycle, it's easy to do

Your trash and my trash

Makes up way too much trash

Reduce, reuse, recycle, it's easy to do.

Recycling

TIME	MATERIALS	Competencies
20 minutes	Poster: Surprising Recycling 2 posters with pictures of garbage can at top, yellow municipal bag picture, green can picture, and Return It logo Bag full of items with velcro to sort on the posters	Use personal experience and knowledge to connect to text and make meaning Use age-appropriate reading, listening, and viewing behaviours and strategies to make meaning from texts Compare observations through discussion Identify simple patterns and connections Recognize the causes and consequences of events, decisions, and developments in their lives

Complete the three posters with the items for garbage, recycling, Return It Depot, and green can. Discuss what each image at the top of the poster represents

Have volunteers hold up the other three posters or tack them to the wall. Ask for one volunteer at a time to hold a picture of an item that belongs on one of the three posters. The class will work together to agree on which poster the item should be placed on.

What is recycling? Show the poster and introduce the recycling symbol. Who has seen this symbol before? Why is it important for people to recycle? What happens if people don't recycle? (refer to the picture of the landfill filling up)

Complete the Surprising Recycling Poster as a group.

Conclusion:

Refer to the imagine of the landfill and ask the class how quickly a landfill could become full if an entire city did not recycle and compost. The Nanaimo landfill was almost full before people started reducing their waste by reducing, reusing, and recycling. Ladysmith and Cowichan have to send their waste to another country (the US) because the landfill they were sending it to IS full.

Reduce, reuse, recycle, recycle

Reduce, reuse, recycle, it's easy to do

Your trash and my trash

Makes up way too much trash

Reduce, reuse, recycle, it's easy to do.

Our song has three things we can do: reduce, reuse and recycle. Which things in our song have we talked about so far? Which two do we still need to talk about?

Reuse

TIME	MATERIALS	Competencies
20 minutes	Book: <i>The Most Magnificent Thing</i> by Ashley Spires Clean items that would have gone into the garbage or recycling Examples of recycling and garbage that have been turned into new items (eg paper rolls turned into pretend binoculars, Styrofoam turned into a boat for the bathtub)	Exchange ideas and perspectives to build shared understanding Plan and create a variety of communication forms for different purposes and audiences Create artistic works collaboratively and as an individual, using ideas inspired by imagination, inquiry, experimentation, and purposeful play

Read the book. The girl in the story made something surprising. What did she make? What did she use to make it with?

On our desks are items that can be recycled or sent to the garbage. Give the class 10-15 minutes to be creative. Students can work independently or in groups to create something new out of the items on their desks, once finished they may choose to present their creation to the class.

Sing the song:

Reduce, reuse, recycle, recycle, recycle

Reduce, reuse, recycle, it's easy to do

Your trash and my trash

Makes up way too much trash

Reduce, reuse, recycle, it's easy to do.

Reduce

TIME	MATERIALS	Competencies
5 minutes		

Conclusion:

Ask what did the group learn today? What are the three R's? Which R is the most important? What is one thing you can tell your parents at home tonight?

Resources:

Langley Environmental Partners Society

Multimaterialbc.ca

<http://www.recycleeverywhere.ca/what-they-become/>

Email conversation with Cowichan Valley Regional District: [lse Sarady <isarady@cvrd.bc.ca>](mailto:lse.sarady@cvrd.bc.ca)