



Allan Brooks
NATURE CENTRE



WASTE IN OUR WORLD

K-7 Online Learning Module

Science & Nature Activities for Kids at Home, Provided by the Allan Brooks Nature Centre Society Education Team

Description

This online educational resource has been created for children of all ages to learn about **waste** and how we can manage it, through engaging slides, links and activities. This lesson covers topics such as what is waste, where does it go, reducing our waste through the 3 R's, recycling processes, and composting. The activities include worksheets, experiments, and crafts, some of which you can do together, and some they may be able to do on their own. You can sit alongside your child to keep them engaged, however, the slides are narrated so that they can navigate them independently and will just need help getting started with the activities.

Background Information

Everything we use is made from earth's materials, including toys, houses, cars, clothes, etc. Once we are done using these things, we throw them away. But where does everything go? The garbage truck takes all of our waste to a landfill, which is a large area where garbage is collected into a pile. When the garbage pile gets too big a new landfill will be created. But what happens if we keep making new landfills? We only have one earth after all! We might run out of space to put it eventually and already our waste ends up in places it shouldn't be, like our rivers and oceans. This can be very harmful to ecosystems but even more so to the animals that live there. Every year, more and more animals, such as whales, turtles, fish and birds are dying because they are eating our garbage. That is why it is really important that we do what we can to reduce the amount of waste we throw away!

We can be a part of the solution by practicing the 3 R's: Reduce, Reuse and Recycle. We can **Reduce** by buying less things so that we have less waste. We can **Reuse** by using things multiple times, instead of throwing them away after one use, as well as find new ways to use old things! We can also **Recycle!** Recycle means to turn something used into something new. In addition to the 3 R's, we can also reduce our food waste by composting at home!

Composting means to turn your food scraps into fertilizer that can be added to your garden to help your plants grow! The more we Reduce, Reuse, Recycle and Compost, the less waste we will bring to the landfills and help to protect our planet!

Instructions

Students will use the [Waste in Our World](#) google slideshow to make their way through the lesson. Make sure to open the file as a “google slide” presentation. The slides are narrated so they can navigate the lesson independently; however the audio files will only work in “google slides”. There are 7 activities included in the lesson that students may be able to do independently or may need adult assistance. Print each Activity Guide and have the activity prepared for the student. Instructions for each activity are included in the Activity Guide. All 7 Activity Guides can be found below.

Materials Included:

[Waste in Our World Slideshow](#)

[Activity Guide 1](#): Waste Monitoring

[Activity Guide 2](#): Waste Action Plan

[Activity Guide 3](#): Toilet Paper Roll Binoculars

[Activity Guide 4](#): Recycling Centre

[Activity Guide 5](#): Compost Sorting Worksheet

[Activity Guide 6](#): Composting Experiment

[Activity Guide 7](#): Design a Nature Superhero!

Materials Needed:

- 2 toilet paper rolls
- Construction paper
- Scotch tape
- Scissors
- Crayons, stickers, etc.
- String (optional)
- recyclable materials
- non-recyclable materials
- 4 bins (not necessary)
- Pencil
- 2 litre pop bottle
- Push pin
- Dirt
- Shredded paper
- Water
- Food scraps (apple core, lettuce, egg shell)