



Recycling and Composting Virtual Lesson Plan (ages 11 to 18 years old – 2 parts)



Student Preparation – Lesson 1

- Have a computer with virtual meeting software
- Collect recyclable items from around your house. Learn about what is recyclable in your area on [Keep America Beautiful](#).

Teacher Preparation – Lesson 1

- Facilitate discussion around what can and can't be recycled. You can also use [this video on Recycling](#) to open discussion (video is approximately 18 minutes long).

Student Learning Objectives – Lesson 1

- Learn what recycling is
- Learn what items can and cannot be recycled
- Learn how to prep items for recycling
- Learn how composting is a form of recycling

More Info

Ages 11 to 18 years old – this overview will require adjusting to the unique needs of your students.

Session 1 – Recycling and Composting Lesson

60 minutes

Welcome and introduction to the activity	5 min
Provide an overview of recycling and composting	10 min
Discuss what type of things can be recycled and composted	5 min
Students can work individually or in virtual groups to research recyclable items in their area and collect / prep items	25 min
Discuss results of research and long term steps to take	5 min
Provide instructions for composting self-guided lesson	5 min
Q & A	5 min



Student Preparation – Lesson 2

- Students will prepare an environmentally friendly compost bin
- Students will need suggested material and supplies. [Follow this guide from the EPA.](#)

Student Learning Objectives – Lesson 2

- Create an environmentally friendly at-home compost bin
- Learn to compost food items as a form of recycling
- Learn environmentally friendly ways to reduce waste

More Info

Ages 11 to 18 years old – this overview will require adjusting to the unique needs of your students.

Session 2 – Self Guided

– Create an environmentally friendly compost bin

Independent work

**Students will create a compost bin using this guide above.
Students will aim to reuse materials found at home and utilize
food waste in their compost bin.**

Students spend time developing
and maintaining their compost
bin

Additional information for this lesson can be found in the [STEM@CGI at Home Activity Pack.](#)