

STEM@CGI AT HOME

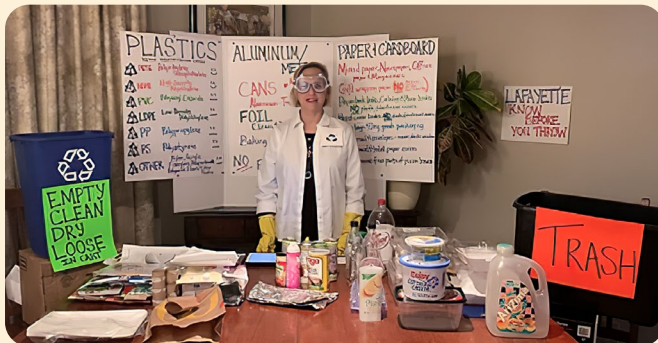
STEM-based activities for kids that can be done at home

Staying active. Learning together. #STEMatHome

“STEM@CGI at Home” offers weekly STEM-based activity packets for children, including practical STEM activities and competitions. Get your family involved, share pictures, learn and have fun!

Activity 1 – Recycling

In this activity you will learn about the process of recycling. Did you know that we can also help reduce the amount of trash we produce by composting things like food, that can't be recycled? Visit [Keep America Beautiful](#) to find the instructions for your area by entering your zip code. Watch Ms. Meredith go through what is recyclable and what isn't in this [video here](#).



Spend a few days collecting recyclable items from around your house. Separate the items into different categories to prepare them for recycling. There may be specific rules to follow in your area.

Things to think about:

- Is curbside pickup available where I live?
- Do I need to order or request bins or containers from my city?
- What items are accepted?
- What do I need to do before the items can be recycled?

Parents: Children may need assistance with getting your household recyclables to the facilities if curbside is not available. Refer back to the Recycling video in this section for more details on how to prep your items and what may or may not be accepted.

Recommended ages: 8 and older (younger with assistance.)

RECYCLE

No Food or Liquid
(empty all containers)

No Plastic Bags
or Plastic Wrap
(return to retail)

▼ Paper & Cardboard	▼ Cans & Foil	▼ Plastic
<div style="background-color: #0070C0; color: white; padding: 2px;">▼ Bottles & Jars</div>		

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What you will need



- Craft supplies for the activity below
- Computer / Internet resources and guides
- Recyclable and/or compostable items



What you will learn

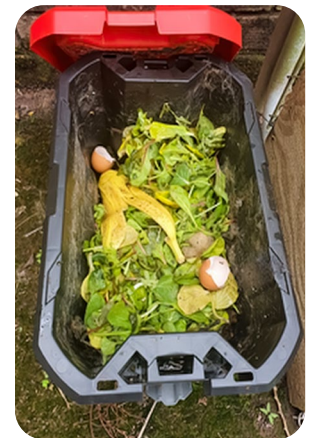
- What items can be recycled and how to prepare them
- Recycling services available in my area
- Different ways to recycle

Activity 2 – Composting

Create a compost bin or area for your non-recyclable household items. Composting is a way for organic waste to decompose naturally. This allows us to recycle various materials that would otherwise be thrown away! Use [this guide from the EPA](#) to create an environmentally friendly way to reduce waste in your home. According to the Environmental Protection Agency (EPA), 28% of what we throw away can be composted!

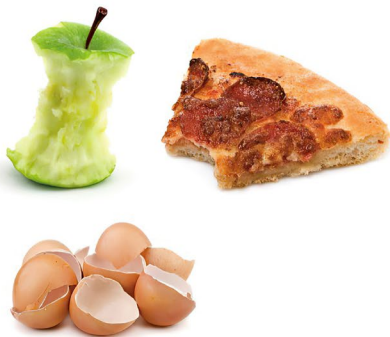
Things to think about:

- Where will my compost pile be located?
(in a bin or bucket / backyard corner / indoors etc.)
- What steps will I need to take to keep my compost protected from animals?
- What items are compostable? What items are not?
- How can I use my compost material?



COMPOST

▼ All Food Scraps



▼ Used Compostable Containers & Utensils



▼ Tea Bags & Coffee Grounds



▼ Napkins, Paper Towels & Wooden Stirrers



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Activity 3 – Repurpose: Turn your trash into treasure!

Find an item (or more if you'd like) and create an idea to repurpose it! Reusing items can help reduce the amount of trash we create. Here are a few ideas:

- Create a flower pot out of a bottle or container
- Make a vase for flowers out of a glass jar
- Make art out of old paper or cardboard, frame and display on your wall
- Make a bird feeder out of a plastic container (be sure to work with your parents to find bird food that will be safe for the animals)
- Design a footstool from an old basket



Watch CGI member Kay Miller turn household items into a work of art in this video about Upcycling (also called repurposing) [Video here](#). **All ages** can participate in this challenge.

Bonus activities

The activities are aimed at students aged 5 and older but everyone can get involved!

Super Sorter – Test your knowledge of recyclable items in the fun sorting game. How many points can you earn?

Recycle City – Take a tour through the city to learn about different ways you can recycle.

Recycle Roundup – Help clean up the park and test your knowledge.



**Watch for more STEM@CGI At Home ideas next week.
Stay healthy and safe!**

For more information or additional support with STEM activities when working remotely, please contact us [here](#).

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