

## April 22 – Earth Day!



A little history: first celebrated in 1970 in the United States, Earth Day aims to raise awareness of our impact on the planet and the actions we can all take.

To mark this day, we have come up with several technological and hands-on activities so you can learn something while having some fun!



### Create an object out of recyclable material!

Our daily consumption means we accumulate a certain amount of recyclable products and materials. Why not give these items a second life? We challenge you to create an object of your choice using only recyclable materials.

1. Collect	2. Imagine	3. Build	4. Share
Collect all recyclable items at home	Imagine the object you would like to create	Get building and bring your idea to life!	Email us a photo of your creation*

- Share with us your creation by sending us an email with a photo of your creation to [stem.canada@cgi.com](mailto:stem.canada@cgi.com).

### Create some flowers

In this activity, we would like you to create a digital landscape with your Raspberry Pi by making an electronic garden featuring spinning flowers, windmills and even bees! As you create a spinning flower with your Raspberry Pi, you will learn how to:

- Connect a motor to a Raspberry Pi
- Operate the motor using Python code

[Click here](#) to start this activity!

**IMPORTANT:** If you don't have a Raspberry Pi at home, try this activity instead: Create a magazine about ecology or anything else that interests you. [Click here](#) to start this activity!

### Take care of yourself and your family!