

## Stormwater in the City – make a water catcher!

Use recycled materials to create your own rain water harvesting system in your garden!

*Suitable for ages:* Grades K-12

*Curriculum links:*

- Grade 1 science: building things
- Grade 2 science: exploring liquids
- Grade 3 science: building with a variety of materials
- Grade 3 science: testing materials and designs
- Grade 5 science: weather watch
- Grade 7 science: interactions and ecosystems
- Grade 7 science: structures and forces
- Grade 8 science: freshwater and saltwater systems

### Instructions

*What you will need checklist:*

- A variety of recycled plastic materials (bottles, milk jugs, food containers)
- Sharp scissors
- Tape to cover any sharp edges
- Pins to attach your items to a strong surface
- Large water collection bucket

*Instructions:*

1. Collect a variety of recycled plastic items
2. Choose an area in your garden to collect water. You will need to attach the plastic items to something solid such as a fence.
3. Start arranging your plastic items. You may wish to draw a plan before you start.
4. Use scissors to cut additional holes in your recycled items as needed.
5. Make your catchment system as fun and creative as you wish!
6. Place a large bucket/container at the base of your water system to collect your water
7. Once your bucket is full of captured water, use this to water your yard!





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### Did you know?

A single rain barrel can capture over 900 gallons of water a year!

### Share with us!

We would love to see photos of your low-waste crafts and activities at home. Feel free to tag us or hashtag #GreenCalgary in your social media posts! Find us here:

