

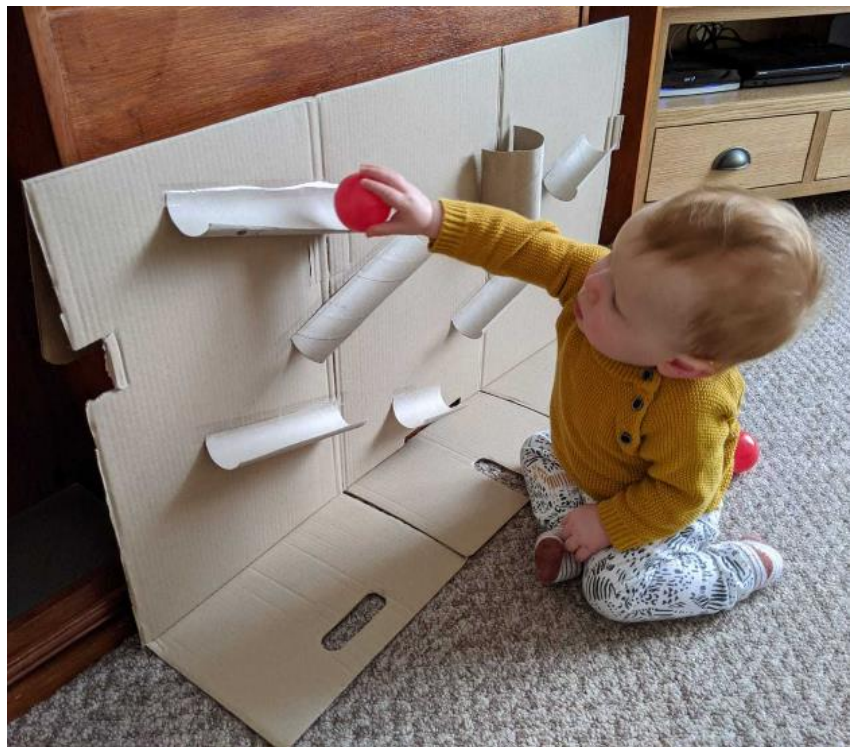
Reducing your environmental impact: recycled games

Everything we buy has an environmental footprint. We can reduce our environmental footprint by reusing and recycling materials, such as making toys and games out of recycled materials. This fun game can be made by (and for!) all ages. Why not turn this game into a science experiment and see how many pathways you can create, or if you can time the rolling time of the ball? Can you predict the pathway of the ball? What can you do to change the pathway? You could even add magnets for an extra challenge!

Suitable for ages: can be made by elementary age students, can be used by all ages!

Curriculum links:

- Fine arts: reflection, depiction, composition and expression
- Grade 1 science: building things
- Grade 2 science: magnetism (if adding magnets!)
- Grade 3 science: building with a variety of materials
- Grade 3 science: testing materials and designs
- Grade 4 science: waste and our world
- Grade 4 science: building devices and vehicles that move
- Grade 5 science: electricity and magnetism (if using magnets!)
- Grade 6 science: evidence and investigation



Instructions

What you will need checklist:

- A large piece of cardboard/wood to use as the main structure of your drop. You could use a large cardboard box, or attach to a fence outside.
- Recycled materials to add pathways – toilet roll tubes, kitchen paper rolls, paper and plastic food trays, egg boxes
- Magnets (optional)
- A ball
- Scissors
- Glue or tape

Instructions:

1. Prepare your recycled materials to create pathways by cutting tubes in half and to different lengths
2. Lay your main board flat and test out a few different layouts
3. Once you are happy with your design stick the pieces in place
4. Test and improve your design
5. You can decorate your design once you have finished
6. Create multiple pathways and have races!



Did you know?

It takes approximately 2-13 liters of water to make 1 piece of paper (waterfootprint.org)

-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:

