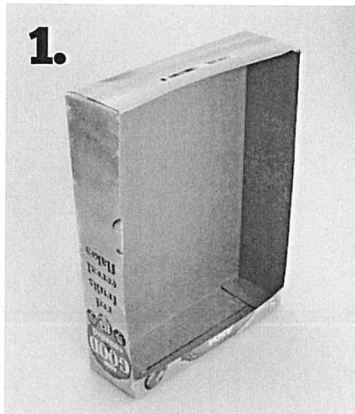# Making a Cereal Box Marble Run

Ever wondered what to do with those empty cereal boxes?

Follow these simple instructions to make a cereal box marble run.
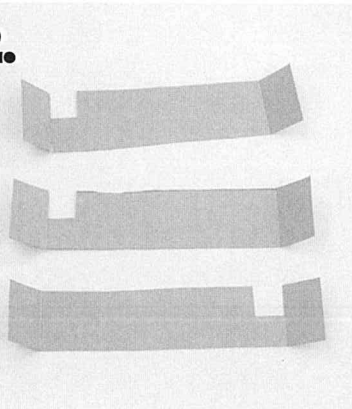
You will need:

- 2 cardboard cereal boxes
- glue
- sticky tape
- scissors
- marbles

1. Start off with your empty cereal box. Tape the lid shut and then cut off the front panel (take care, scissors are sharp!). Make sure you leave a little ledge at the bottom. This will stop the marbles rolling out everywhere when they reach the end of the run.

2. Then take the detached front panel and cut it into three strips. Bend them at the ends and cut a notch on one side for the marble to run through.

3. Next, take a little extra cardboard from another cereal box and fold the end of it and tape it onto the bottom. The folded end makes the marble run tilt back a little bit so the marble goes down the holes and doesn't fall out of the box.
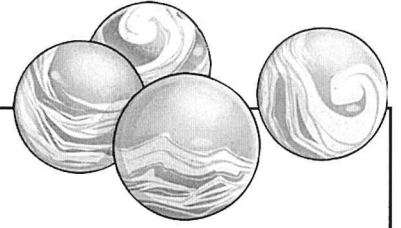
4. Finally, tape the strips into the box and cut a little hole at the top to drop the marble through. Then go and find some marbles!
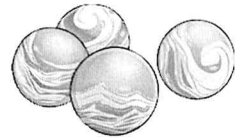
My Marble Run Design

First Step: Create your design

Remember to label and annotate your design!

My Marble Run Design

Second Step: Choose Your Materials

The materials I chose for my marble run:

_____

_____

_____

_____

_____

_____

_____

I chose these materials because...

_____

_____

_____

_____

_____

_____

_____

_____

Third Step: Construct

What were the challenges of constructing your marble run?
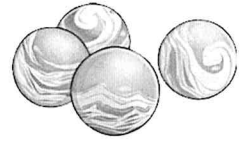
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My Marble Run Design

Fourth Step: Test Your Marble Run

Test your Marble Run with a marble and record your tests on a tablet or mobile device. Record the times of your tests in the table below. Remember whether you were attempting to make a design slow or a fast marble run?

	Test 1	Test 2	Test 3
Time			

Fifth Step: Evaluate Your Marble Run

What went well?

_____

_____

_____

_____

_____

What didn't go well?

_____

_____

_____

_____

What improvements or changes will you make to your marble run and why?

_____

_____

_____

_____

_____

_____

_____

My Marble Run Design
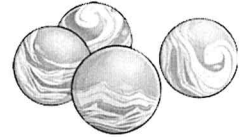
Design Process Checklist

	Yes	No	Room for Improvement
Did I draw and label my design?			
Did I select appropriate materials for my design?			
Did I construct my marble run according to my design?			
Did I adapt my design during the making to overcome problems?			
Did I conduct tests of my marble run?			
Did I evaluate my results after testing and make further adaptations to my marble run?			