**TRY THIS!-** *Design and Technology*

**MAKE YOUR OWN MarblE Run**

## YOU WILL NEED:

* Large cardboard box
* Cardboard struts
* Carboard tubes
* Sticky tape
* Marbles
* Scissors (with adult supervision)

Design Brief

Use a cardboard box, struts and tubes to create a marble run. The marble must run for 60 seconds.

Instructions

1. Use sticky tape to attach the cardboard struts to the cardboard box, creating a run for the marble.
2. Try adding struts around the box in lots of different directions.
3. Check the struts are secure and won’t fall off.
4. Get your timer ready and place your marble at the top and see how long it takes to go down your marble run.

**Things to think about….**

To help you to control the time your marble takes to run its course you’ll need to think about a few things;

1. The weight of your marble and height of your slope, how will this affect the energy your marble?
2. The rougher or stickier the surface, the slower your marble will travel.
3. The less steep the angle of the slope, the longer the marble will take to reach the bottom.

