



## ***Enfield Learns Together!***

### **Marble Run, Science Challenge**

**This exciting challenge is open to children and young people in Enfield aged 5-13.**

Can you build a marble run that keeps a marble moving and off the ground for the maximum amount time?

You can make this from materials that you would find at home:

- Toilet roll and kitchen roll tubes
- Empty plastic bottle
- Paper plates
- Cardboard boxes
- Glue, masking tape, Sellotape

There are lots of videos on YouTube that will give you some ideas of what to do and what materials to use.

Here are a couple to look at:

<https://www.bing.com/videos/search?q=build+a+marble+run+you+tube&docid=608031604780109477&mid=C03EF6C8F3123E6FFE62C03EF6C8F3123E6FFE62&view=detail&FORM=VIRE>

<https://www.bing.com/videos/search?q=build+a+marble+run+you+tube&&view=detail&mid=ABF9765D7F6600BA3002ABF9765D7F6600BA3002&rvsmid=B47B8252AB443CD39E15B47B8252AB443CD39E15&FORM=VDQVAP>

Once you have made your marble run all you have to do is video it on your **phone, tablet or camcorder** and send it to us.

We will upload all the videos onto a website so that your friends and family can see what you have done and you can see how others took on the challenge.

There is more information for participants about what your marble run should do and how it will be judged below.

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## Marble Run

### Information for participants

<b>Categories:</b>	Years 1-2 Years 3-4 Years 5-6 Years 7-8
<b>Prizes:</b>	There will be 1st, 2nd and 3rd prizes for each category. Prize winners will be informed on Monday 1 June and a certificate and token will be sent to your school for you in September.
<b>Competition entries:</b>	Children can work individually or in pairs so long as they are in the same year groups category and can do this safely.
<b>Science challenge for years 1-8</b>	<p>The aim of the challenge is to design a marble which keeps a marble moving through the marble run and off the ground for as long as possible.</p> <p><b>Marble run rules:</b> The marble must be 13-16mm in diameter. The marble run must be no more than 1m tall. The marble may pause at any time during the run for up to one second.</p>
<b>Criteria:</b>	The length of time the rolling marble took to reach the ground. The elegance and innovation of the design. The compactness of the structure.
<b>Judging:</b>	<p>Short listing and judging will be carried out by a panel of colleagues from Enfield School and Early Years' Service and an external judge.</p> <p>For your marble run to be judged you will need to take a video of a marble doing your marble run from the top to the bottom. <b>Please do not include yourself or any children in the video.</b></p> <p>Judging will take place Monday 18 May – Friday 29 May 2020. Winners will be announced via email on <b>Monday 1 June 2020</b>. All entries will be displayed on a website and all entrants will be sent a link to the website to view the entries.</p>
<b>How to apply and the application deadline:</b>	<p>In order to register for this competition a parent or career should register on <a href="https://tinyurl.com/wz2v5as">https://tinyurl.com/wz2v5as</a> and you will be sent all the information you need about how to upload your marble run video.</p> <p>The deadline for the submission of the video is 5pm on <b>Friday 15 May 2020</b>.</p>