

RWPA STEM competition 2017

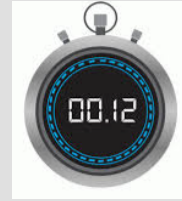
“Marble Keepy-Uppy!”



The Engineering Challenge



Your challenge this year is to build a structure (from recyclable materials) that will keep a **marble** in **constant motion** for the longest amount of time!



What is constant motion?
What type of structure could you build?
What materials could you use?



The Winning Marble-Runs

- There will be prizes for the **EYFS, KS1, LKS2 and UKS2** structures that keep the marble in **constant motion** for the longest time.
- You must **EITHER** bring in your model for the judges to test on **Monday 3rd April** OR provide video evidence of your work showing the marble in action from top to bottom with the time displayed clearly (on a phone or stop watch).
- You may enter as a pair or group...you simply have to share the prize!

(Do not bring in entries before Monday 3rd April!)

IDEAS:

[https://
www.youtube.com/
watch?v=Xc59Rwu-S_o](https://www.youtube.com/watch?v=Xc59Rwu-S_o)

[https://
www.youtube.com/
watch?v=Jfa54s48y6g](https://www.youtube.com/watch?v=Jfa54s48y6g)



[https://www.youtube.com/watch?
v=iEM2mc1M8ws](https://www.youtube.com/watch?v=iEM2mc1M8ws)
craftulate.com



1. PLAN



2. BUILD



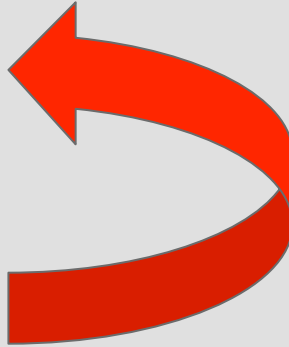
3. TEST



4. **MODIFY**



5. TEST



6. SUBMIT
ENTRY!

