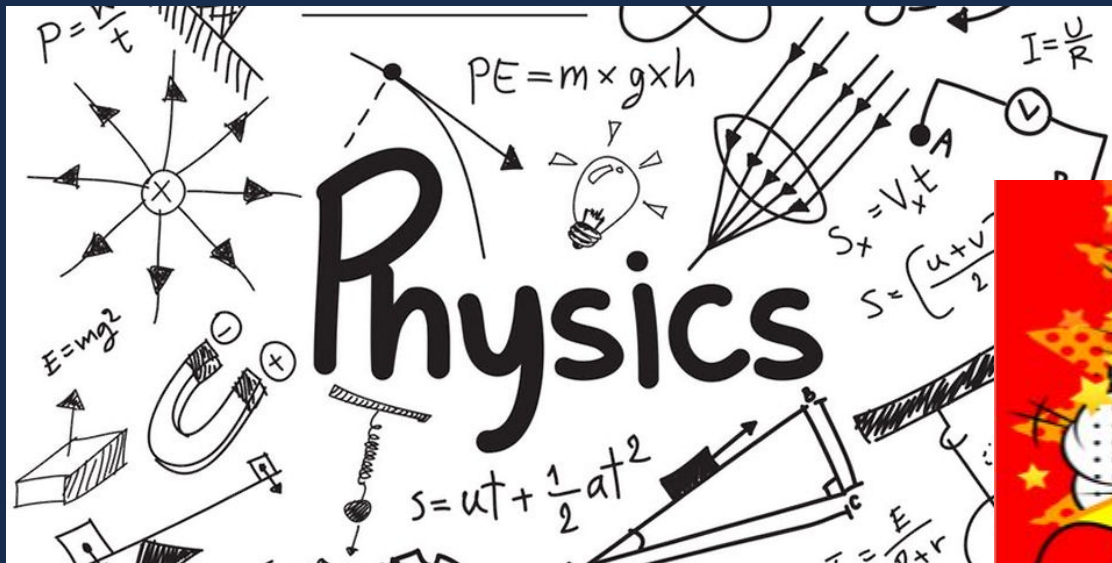


It might be the Easter Holidays but the Physics Department have got a challenge for you!



Merchant Taylors'
School

#MTSrollercoaster

Using only things that you can find around the house (we might be about to find out who has been hoarding all the toilet rolls!) build a roller coaster for a marble.





Don't have a marble –
that's fine improvise.

Some rolled up blu-
tack, a cherry
tomato.... anything
you like!

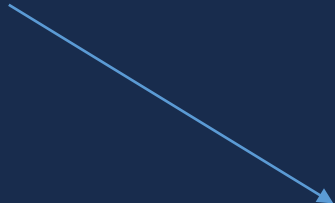
There are only three rules:

1. It must be a free standing roller coaster. (You can stick it to the floor if needed, but it must support itself.)
2. You have to make it safely. (The NHS have got enough going on at the moment!)
3. No cheating. (There are some incredible paper roller coaster templates online – don't be tempted!)



If you want to see some examples click the links below.

This one uses a template but it is pretty incredible!



<https://www.youtube.com/watch?v=XNB7e1ZcubQ>

<https://www.youtube.com/watch?v=LGyZ4JbYTpc>

<https://www.youtube.com/watch?v=r7eZmHyOTK0>

So let's see who can come up with the best roller coaster.

Once it is complete you can share your video using

#MTSrollercoaster

We will be judging you on....

- Use of resources and creativity
- Thrills (just how fast and how many loops can you get in there?)
- Overall aesthetics

You have the whole of the Easter holidays to complete this with entries due by **Friday 24th April.**

Get collecting your resources, be creative engineers and have some fun!



You can work with members of your family, just don't let the adults take over.