**Science lesson Wb 6 12 2021**

We will be learning about forces and friction this week.

There are a few helpful BBC videos to watch here.

* Start here as there is an explanation on this page as well as a video and quiz: <https://www.bbc.co.uk/bitesize/topics/zsxxsbk/articles/zxqrdxs>
* This video tells the story of Rapunzel and also talks about how to carry out a fair test.

<https://www.bbc.co.uk/bitesize/clips/zht2tfr>

* Here you can see friction in action on the road:

<https://www.bbc.co.uk/bitesize/clips/z462tfr>

* Here is a video about how different surfaces affect how things stop.

<https://www.bbc.co.uk/bitesize/clips/zjr3cdm>

This last video is something you could recreate at home. Investigate which surface creates the most or least friction.

If you have a little car or truck you could see how far it will travel on different floor surfaces such as carpet, wood, laminate, grass, gravel etc. You could make a little ramp out of a couple of books and cardboard.

Think about how to keep everything the same except one variable – the surface you are testing.

You could take some measurements.

Can you explain your findings? Why did the different surfaces create different amounts of friction? You may need words like smooth, rough, bumpy, friction, resistance.