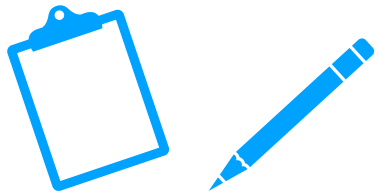


# Friday 15th January 2021



## ONLINE LESSON

### For this lesson you will need:



- Be ready to discuss the 'Forces' concept cartoons. Have your ideas at the ready. Also, think about the features of a bicycle and how different forces come into play when you ride a bike.
- Pencil, paper and ruler to draw force diagrams.



Sound switched "ON"



Your brain, as well as your 'Dhoon High 5' and 'Values'.



Follow up challenges/ suggested learning can be found below:

## Friday 15th January - Follow up challenges/ suggested learning:

**Science : Forces:** (*\*Could also work on these ideas on Monday morning, alongside the maths focus.*)

- I have included **2 slideshows** focusing on '**Friction**' (used in today's lesson) and '**Gravity**'. These slides contain plenty of information, as well as posing questions, enabling you to discuss and challenge your current ideas. You may need to conduct extra research.
- Remember to keep studying the '**Forces**' knowledge organiser.

**Extra challenge:** : In today's lesson we developed our understanding of **friction** by thinking about how a bicycle works and what it feels like to cycle. Continue to think about situations when friction can be helpful or unhelpful.

For example, I can think of times when air resistance (friction) can be helpful, such as when flying a kite or parachuting. Also, what about when an aircraft comes in to land?

Friction can be unhelpful too. Think about situations when something needs to be lubricated, or times when you are slowing down, but you don't want to.

\*\*I would like to to see some of your ideas please. You could simply email lists of ideas, perhaps diagrams, photographs or even video clips of forces in action.

**Maths : Mental maths skills** - Play 'Fizz, Buzz, Bang!' with your families.

- I hope you enjoyed the mental maths slides from yesterday's lesson.

I have included **2 slideshows**, the one we started yesterday, plus an additional one. A wide range of question styles and skills needed, so don't worry if some prove more challenging. Answers are included, which will allow you to self check and overcome challenges too.

## Some web sites for the weekend and beyond.....

- RSPB - The Big Garden Birdwatch. Some great information and activities on here:

<https://www.rspb.org.uk/get-involved/activities/birdwatch/>

- How about some art ideas for the weekend?

[-https://www.tate.org.uk/kids](https://www.tate.org.uk/kids)

- Don't forget this site which is great for experiments at home:

**STARTERS FOR SCIENCE**

<https://pstt.org.uk/resources/curriculum-materials/Starters-for-Science>

- English Heritage - Some fabulous history resources here:

<https://www.english-heritage.org.uk/learn/teaching-resources/>

(Expect to use some of these resources in future home learning.)

If you want to share your learning, ask questions or need to contact me for another reason: [anthonycross@online.sch.im](mailto:anthonycross@online.sch.im)

Hope you have a great weekend and bye for now.

