

# Forces and Magnets.

Use the box below to record the activities your family have enjoyed. Be ready to share some of your homework when you come back to school in January.

Name:

Class:

Parent's comments:

Signed:



# FAMILY HOMEWORK Mad about Science

## Forces and Magnets

Spring term is all about Science! In Year 3 we will be learning about forces and magnets, which is the theme for the Year 3 family homework. This booklet has lots of activities that you can work on, as a family, at home over the next term.



Over the next term we will share your work at school so make sure you bring things in to school as you complete them!

# TRY THESE FORCES AND MAGNETS ACTIVITIES WITH YOUR FAMILY

Make a model using paper, plastic bags and lolly sticks.



Can you test them at home and experiment with different ways to make it travel through the water.

Find out about Sir Isaac Newton. What did he discover?



# GO ON A WEB TRIP TO DISCOVER MORE ABOUT FORCES, MAGNETS, RIVERS AND THE ANCIENT EGYPTIANS

Here are some ideas of places to virtually visit:

## Science Museum

<https://www.sciencemuseum.org.uk/home>



## British Museum

<https://www.britishmuseum.org/>



## River Walk

Go for a walk along the River Thames. Notice how its shape changes. Draw a picture that shows this and bring it in to share with the class.



**INVESTIGATION**  
Research famous rivers. Which one is the longest? Which one is the widest? Which travels through the most countries? Can you find out any other fascinating facts about this extraordinary natural phenomenon?



Write a poem based on the theme of "FORCE".



WHATEVER YOU DO... DO IT TOGETHER AS A FAMILY



Can you make a collage picture of using coloured squares and triangles?



Remember to bring something in to tell your class about your trip. It could be a photo, drawing, poem, booklet, ticket - anything!



Visit one of these great websites over the holidays!

### Computing

[www.kidsmart.org.uk/](http://www.kidsmart.org.uk/)

### Science

[www.bbc.co.uk/schools/scienceclips/ages/6\\_7/forces\\_movement.shtml](http://www.bbc.co.uk/schools/scienceclips/ages/6_7/forces_movement.shtml)  
[www.bbc.co.uk/education/topics/zyttyrd/videos/1](http://www.bbc.co.uk/education/topics/zyttyrd/videos/1)

### Maths

[www.ictgames.com/resources.html](http://www.ictgames.com/resources.html)  
[resources.woodlands-junior.kent.sch.uk/maths/](http://resources.woodlands-junior.kent.sch.uk/maths/)  
[www.bbc.co.uk/bitesize/ks2/maths/](http://www.bbc.co.uk/bitesize/ks2/maths/)



**Maths Challenge!**  
HOW OLD ARE YOU?



Find out your date of birth. Get a calendar. Work out:

- T - How many months old
- TT - How many days old
- TTT - How many hours old
- TTTTX - How many seconds

### Reading Challenge

Can you read some non-fiction books about Egyptians. Go to your local Idea Store and try to complete the adjoining quiz.



### QUICK QUIZ

- Name 3 famous Egyptians?
- When was the Ancient Egyptian era?
- Who is Tutankhamun?
- Who discovered him?
- What is a pharaoh?