

Spring Term

# FORCES and MAGNETS

Year 3



## Science Skills & Activities

### As a scientist I will . . .

- compare how things move on different surfaces
- notice that some forces need contact between 2 objects, but magnetic forces can act at a distance
- observe how magnets attract or repel each other and attract some materials and not others
- compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet and identify some magnetic materials
- describe magnets as having 2 poles
- plan and carry out investigations into forces and magnets, including making predictions, setting up fair tests, making observations, collating and recording results and drawing conclusions

### These skills will be developed through:

- a range of investigations which provide opportunities to raise questions and carry out tests
- independent research through non-fiction books and the internet
- individual, partner and group work to gather and record data to find answers to their questions

## HOMEWORK

Please choose at least one of these homeworks to complete by the end of term, or do one of your own related to our topic.

<ul style="list-style-type: none"><li>• produce a fact sheet or poster about FORCES or MAGNETS</li><li>• compile a list of all the FORCES you encounter throughout your regular day</li><li>• draw a plan of your house and label all the different FORCES or POTENTIAL FORCES at work in each of the rooms</li></ul>	<ul style="list-style-type: none"><li>• draw, paint or collage a scene that depicts one or more FORCES at work in nature, in the home or elsewhere</li><li>• design and make a moving vehicle or device that demonstrates a FORCE or MAGNETS at work</li></ul>	<ul style="list-style-type: none"><li>• write a poem (acrostic or otherwise) about FORCES or MAGNETS</li><li>• draw, label and write a description of a Superhero who has particular powers which rely on FORCES or a MAGNETIC FORCE</li></ul>
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