

What I need to know: Y3 Science – Forces & Magnets

We nurture the curiosity to learn, the courage to lead and the compassion to care.

Name:

Class:

This half-term, we will learn about different forces and about magnets.

What I will know	✓	Start	End
What a force is and the effects of applying a force		<input type="radio"/>	<input type="radio"/>
That there are different types of force		<input type="radio"/>	<input type="radio"/>
How to describe two examples of force – push and pull		<input type="radio"/>	<input type="radio"/>
That different surfaces create different amounts of friction		<input type="radio"/>	<input type="radio"/>
That materials can be magnetic or non-magnetic		<input type="radio"/>	<input type="radio"/>
Some examples of magnetic and non-magnetic properties		<input type="radio"/>	<input type="radio"/>
That magnets have two poles – north and south		<input type="radio"/>	<input type="radio"/>
That opposite poles attract and like poles repel		<input type="radio"/>	<input type="radio"/>
Working Scientifically...			
How to ask relevant questions and use scientific enquiry to answer them, including fair tests		<input type="radio"/>	<input type="radio"/>
How to make careful observations and take accurate measurements		<input type="radio"/>	<input type="radio"/>
How to gather information and present in using scientific language, diagrams, charts or tables		<input type="radio"/>	<input type="radio"/>
How to draw conclusions from results, make predictions and evaluate enquiries		<input type="radio"/>	<input type="radio"/>
How to use straightforward scientific evidence to answer questions and support findings		<input type="radio"/>	<input type="radio"/>

Skills I may use...	
Remember: name, identify, describe	Analyse: investigate, infer, select, clarify
Understand: predict, recall, interpret	Create: plan, design, construct
Apply: use, show, relate, demonstrate	Evaluate: compare, assess, judge

Vocabulary I need to know...
Force, push, pull, friction, accelerate, decelerate. magnet, attraction, pole, north, south, like, opposite, repel

Opportunities to support English and maths
<ul style="list-style-type: none"> Skim and scan texts to retrieve information or quotes quickly and accurately Provide reasoned justifications for their views, quoting evidence from across a text