



Y5 Thinking like a scientist

Forces



Galileo Galilei



Sir Isaac Newton

Learning Questions



What is gravity and how did Sir Isaac Newton discover it?



What is air resistance and how is it related to parachutes?



What factors affect water resistance?



What are the effects of friction on different surfaces?



How do levers and pulleys work?



How do gears work?

Key Vocabulary

gravity

force

air resistance

water resistance

streamlined

upthrust

drag

friction

weight

mass

Newton

mechanisms

gears

fulcrum

levers

pulleys

Working Scientifically

Identifying scientific evidence that has been used to support or refute ideas or arguments.

Taking measurements and using a range of scientific equipment with increasing accuracy and precision.

Taking repeat readings.

Reporting and presenting findings from enquiries.

Planning different types of scientific enquiries to answer questions.

Forces in action

