

Year 5

Forces

We are learning about:

- **the force of gravity and its affect on objects** (explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object)
- **air resistance, water resistance and friction** (identify the effects of air resistance, water resistance and friction, that act between moving surfaces) SEP
- **how pulleys, gears and levers can be used** (recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect)

We are learning to:

- **measure accurately** (to be able to take repeated accurate measurements using a stopwatch)
- **plan a fair test** (to be able to plan a scientific enquiry that will answer a question. To be able to recognise control variables when planning a fair-test)
- **identify if my results are reliable** (to be able to explain the degree of trust in results)
- **make and use predictions** (to be able to use test results to make predictions to set up further comparative and fair tests).