



Year 5 Spring 2

Forces



Topic

In Science, we will:

- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect
- identify scientific evidence that has been used to support or refute ideas or arguments.
- plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs
- take measurements, using a range of scientific equipment, with increasing accuracy and precision.
- use test results to make predictions to set up further comparative and fair tests

In ICT, we will continue to develop our skills in:

- designing, writing and debugging programmes
- designing a programme for a specific purpose

In Art and design Technology we'll be:

- Use our understanding of forces to design, build and test a variety of vehicles
- Improve our designs in light of tests made and data gathered

In English we will be:

- Reading to summarise main ideas in a paragraph
- Reading to distinguish between statements of fact and opinion
- Writing a persuasive text
- Writing descriptive imaginary settings and character studies for narrative writing in the style of a suspense adventure
- Recounting special activities
- Developing spellings through investigating patterns
- Investigating the past progressive and the variety of determiners we use

In Maths we will be:

- Using our knowledge and skills in developing strategies when working with fractions, decimals and percentages
- Problem solving and reasoning using all operations
- Understanding the equivalence of fractions, decimals and percentages

Inspiration

- Forces day
- Trip to Woolsthorpe Manor