

As Scientists we can:

Explain that unsupported objects fall to Earth because of the force of gravity acting between Earth and the falling object.

Identify the effect 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 greater effect.

Key Knowledge:

- Know what gravity is and its impact on our lives
- Identify and know the effect of air and water resistance
- Identify and know the effect of friction
- Explain how levers, pulleys and gears allow a smaller force to have a greater effect

As Artists:

We will create a mixed media self-portrait

Key knowledge:

Try a variety of materials and compositions for a background.
Create a successful print.
Create a self-portrait that aims to represent something about them.
Consider the effect created by different materials and their composition.

Learning Challenge –

Why should the rainforest matter to all of us?

Our half term work has a Geography Focus

As Geographers we will be answering these questions:

- LC 1 - Where are rainforests located and what are their main features?
- LC 2 - What is found in the different layers of the rainforest?
- LC 3 – Why are rainforests often in the news and what can we do to help?
- LC 4 - What threats do animals in the rainforest face?
- LC 5 – Where is the Amazon and who lives there?

As Mathematicians we can:

- Understand the place value of numbers up to a million.
- Compare and order numbers to one million.
- Count in 10s, 100s, 1000s, 10,000s and 100,000s.
- Round numbers to a million
- Understand negative numbers and Roman Numerals.
- Add and subtract numbers with more than 4 digits using a formal method.
- Round to estimate and approximate.
- Use inverse operations to check calculations.
- Solve multi-step addition and subtraction problems.
- Draw line graphs.
- Read and interpret charts, line graphs, tables, two-way tables and timetables.
- Use line graphs to solve problems.

As Theologians we can:

Understand why people have to stand up for what they believe in.

Key Knowledge:

Recognise how religious beliefs vary and understand the importance of freedom.
Assess the challenges that some religious figures have encountered in the past and recognise that people have been persecuted for their beliefs.
Analyse the meaning of different religious festivals.

As Athletes:

We will develop our understanding of health-related fitness.

Key Knowledge:

Play competitive football and apply basic principles for attacking and defending.
Be taught to swim confidently and proficiently over a distance of 25m.

As Computer Programmers:

We will build on our knowledge of coding.

Key Knowledge:

Create a program using event, object and action code.
Create different object types and button objects and be able to modify these to fit a program.
Create a repeat command and an IF and IF/ELSE statement in a program.
Create variables, friction and function.

As Language Specialists we can:

Talk about us

Key Knowledge:

Say extended sentences about feelings with a reason.
Say a sentence about someone else.
Say a sentence about a school subject using a like / dislike verb.

As Musicians we will:

Rock Music – Livin' on a Prayer

Key Knowledge:

Listen and appraise famous rock songs.
The dimensions of rock music such as pulse and rhythm are compared across rock songs and other genres.

As Citizens:

Understand that our actions affect others, to care about other people's feelings and to try to see things from their points of view.

Think about the lives of people living in other places and people with different values.

Realise the nature and consequences of racism, teasing, bullying and aggressive behaviours, and how to respond to them.