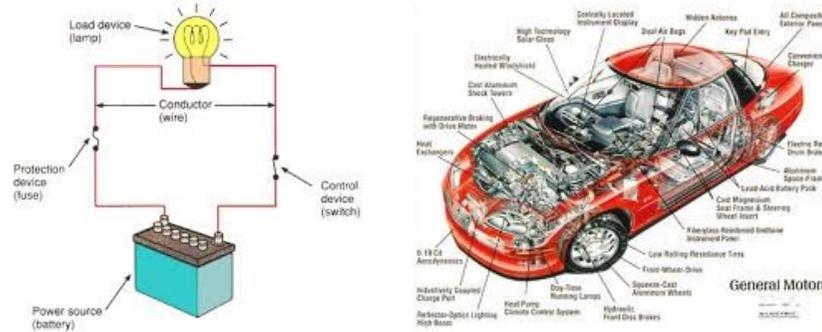


Year 6 Technology and Inventions



Successful Learners

Areas of Learning

As writers, we will create explanations that suit a range of audiences. We will be able write a narrative through a different viewpoint.

As mathematicians, we will be learning new skills which will support us when solving complex problems.

As artists, we will be designing and creating our own inventions using different mechanisms

As sportspeople, we will become physically literate in dance and gymnastics and learn how to improve our skills.

As musicians we will study the interrelated properties of music.

As scientists, we will learn how about light.

As members of society, we will investigate how different countries use energy.

Learning Skills

This half term, we will be capturing our learning by collaborating using the brain writing technique.

We will:

- develop our negotiation skills
- complete a project through working in a group
- justify our thinking
- Learn to compromise when working in a group

Life Skills

Life skills including personal, social, health, spiritual, cultural and economic will focus on **personal safety** and **e-safety**:

Through our topic we will continue to focus on e-safety. We will understand that with rapidly changing technology our own safety is important. We will recognise that the rules of e-safety are important but that they change as technology changes.

Values

Our focus will be on our values as a whole.

We will be exploring:

- What are values?
- Why do we have values?
- How do we demonstrate our values?
- What are the similarities and differences between different cultures and religions.

Wray Common Citizens

Through our topic we will look at how communities, including our own, are affected by different factors. We will look at how technology and the ever-increasing need for energy is effecting the whole world. We will look at how inventions are changing people's lives. We will explore how technology is allowing people to become more equal and how issues such as disabilities can be overcome.

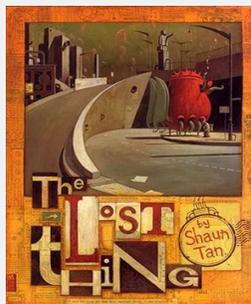
Year 6

Technology and Inventions

Key Skills

English

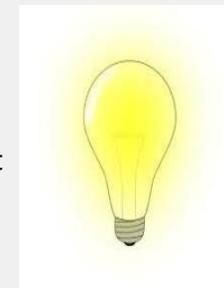
We will be writing explanation texts in both fiction and non-fiction form to explain how things work, with a focus on technical vocabulary. In narrative writing, we will understand how to write through a character's view-point, We will focus on including a wide range of punctuation and varying our sentence structures to add detail and create atmosphere. We will do this through a text called the Lost Thing.



Science

We will explore how we see things:

- We will recognise that light appears to travel in straight lines
- We will use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye
- We will explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
- We will use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them



Maths

We will be learning about decimals and measurements across the term and will be looking back on previous learning for revision. Also, we will look at how we can apply our learning using to solve complex problems.

Computing

We will be using ICT to control events and program effectively to create specific outcomes. We will use a programme called Scratch and learn to programme a sprite. This will involve using sensors and being able to control light and sound.

Music

In music we will continue to explore rhythm and how technology can be used to create different sounds, textures and genres.

DT/Art

We will be designing and creating our own inventions, using pulleys and wheels to add movement to them. We will be collaborating with a local school to help improve our art and design skills.

RE

In RE we will be learning about Islam. We will explore how the Pillars of Islam help Muslims lead a good life.

PE

We will be developing running, jumping, throwing and catching skills in isolation and together. We will use attacking and defence skills in game scenarios. In gymnastics, we will develop strength and flexibility, control and balance.