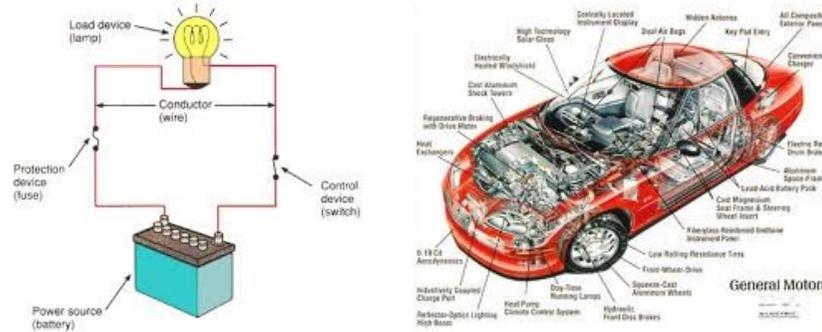


Year 6 Technology and Inventions



Successful Learners

Areas of Learning

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

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

As designers, we will be 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 about electricity.

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.

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

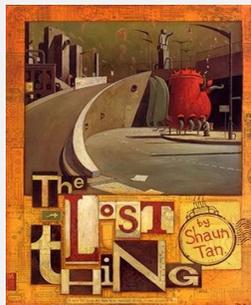
Through our topic we will look at how communities, including our own, are affected by different factors. We will look at how technology and the ever-increasing need for energy is affecting the whole world. We will look at how inventions are changing people's lives. We will explore how technology is allowing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

Year 6 Technology and Inventions

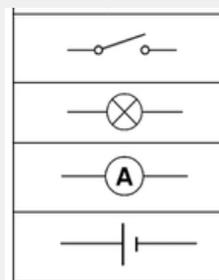
Key Skills

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 investigate the link between the brightness of a lamp or volume of a buzzer with the number and voltage of cell used in a circuit.



We will discover and use recognised symbols when representing a simple circuit in a diagram.

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 Zu3D to design and create a short animation based on our Lost Thing story.



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 roller-coaster inventions and persuade investors to buy our finished product.

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.