



What should I already know?

- People who create new things are called inventors.
- Different materials have different uses.

What will I know by the end of this unit?

- The impact of Roman inventions on Britain.
- How to make a Roman shield that is fit for purpose (using the correct materials).
- The work of some famous British inventors.
- How to design, create and evaluate an invention.

Vocabulary:

Invention	The action of creating something new.
Inventor	The person who creates something new.
Materials	The matter from which a thing is or can be made.
Purpose	The reason for which something is done or created or for which something exists.
Create	To bring something into existence.
Evaluate	To form an idea of the amount, number or value of something.
Usefulness	The quality or fact of being useful.
Functionality	The quality of being suited to serve a purpose well; practicality.
Innovation	A new method, idea or product.
Properties	The components that make up the invention.

Diagrams



Cultural Capital - (including focused text / WOW moment / visitors / trips / fieldwork)

This unit links in with our History topic—Romans and we will be looking at some ways in which the Roman's

DT skills/techniques

- Use, research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.
- Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.
- Understand how key events and individuals in design and technology have helped shape the world.
- Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.

Skills

- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.
- Investigate and analyse a range of existing products.