



Design and Technology

Year 4 Autumn 1 – I am Warrior!



As part of your 'I am Warrior!' learning, you will be investigating strong structures and creating a Roman Aqueduct.

Structures - Designers need to consider how to ensure their structure is strong enough for its purpose (What does it do?).

What we know so far

- In year 2 we learn about materials and their properties. We consider why certain products are made out of specific materials.
- In year 3 we learn about forces and their effects.

Key Vocabulary

Structure – a building or other object constructed from several parts.

Aqueduct – an artificial channel for conveying water, typically in the form of a bridge across a valley or other gap.

Aesthetic – pleasing in appearance.

Stability – The state or quality of being stable, or fixed.

New Knowledge

When creating a structure, it is important to consider the aesthetic and the strength and the stability.

Some shapes are more stable than others and this should be considered when creating a structure.

Aqueducts were created by the Romans to bring water into cities and towns. They were used to fill public baths, fountains and helped with mining and farming.

Roman aqueducts relied on gravity to move the water. The water could only move from a high point to a lower point.

