



# YEAR 4 DT — Structures Knowledge Organiser



## Aqueducts

The **Romans** constructed **aqueducts** throughout their Republic and later Empire, to bring water from outside sources into cities and towns.



Roman Aqueducts Were Built with Stone, Brick and Volcanic Cement.

The most recognizable feature of **Roman aqueducts** may be the bridges constructed using rounded stone **arches**.

## Evaluation FLUMPS

**FUNCTION** – Does it do what you want it to do?

**LOOKS** – Why does it look how it looks?

**USER** – Who is it designed for?

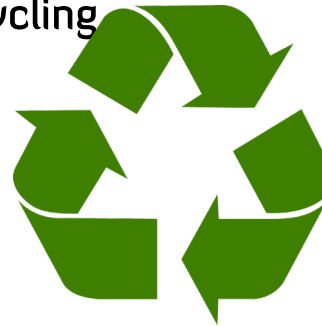
**MATERIALS** – What is it made from?

**PROS/CONS** – What do you like about it? How could you improve it?

**SUSTAINABILITY** – Can it be recycled? Could it use fewer parts?

## Recycling

Recycling is the process of converting waste materials into new materials and objects.



## Waterproofing

What materials can you think of that are waterproof?

Coats, tents, wellies need to be waterproof. Why is this?



## Vocabulary

**Waterproof** – A material that does not allow water to pass through it.

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

**Design** – to plan through ideas and drawings before constructing.

**Evaluate** – to look at the final product and decide what worked well and what could be improved.