

## DT UKS2 KNOWLEDGE ORGANISER- Romans

KEY FOCUS: Design and create our own Roman cart using wheels and axels.

### National Curriculum Links:

#### Design, make, evaluate and improve

Use research to design with the user in mind, motivated by the service a product will offer

Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

#### Construction

Develop a range of practical skills to create products (such as cutting, drilling and screwing, nailing, gluing, filling and sanding)

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

### Key Vocabulary

Axle	a long straight rod which connects to a moving part, such as a wheel.
Mechanism	parts of an object that move together to make something work.
Wheel	a circular object that is fixed to something (like a car or bike) and allows it to move smoothly over the ground.
Chassis	the body of a car.
Axle holder	a part that holds the axle steady.
Accurate	neat, correct size shape and pattern with no mistakes.

### Sticky Knowledge:

- The axle turns to make the wheels go round.
- The axle is a rod.
- The wheels need to be attached to the axle.
- The axle needs to fit inside the axle holder but must not attached to the axle holder, otherwise the wheels will not turn.