



Endpoints for Design Technology

Year 4 – Tomb Builders



We will be learning about simple machines, including wheels, axles, inclined planes, pulleys and levers and how these have been used to lift and move heavy loads.

What I know and can explain

Simple machines make physical jobs easier by changing the strength or direction of a force.

There are six simple machines: pulley, lever, wheel and axle, wedge, inclined plane and screw

Characteristics of materials, such as rigidity, strength and smoothness will affect the success of a working model

Useful Vocabulary

Force - A push or a pull

Friction - The force between two surfaces as they move across each other

Lever – A simple machine which consists of a rigid bar which pivots on the fulcrum

Load – The weight lifted by a machine

Pulley – A simple machine consisting of a small wheel over which a rope or chain attached to an object can easily be pulled or released

Simple Machine – A device which makes physical tasks easier by changing the direction or magnitude of a force