



Year 6 Design & Technology

Unit of Learning: Structures – Playgrounds

Big Question:

Prior learning:

At the end of this topic, pupils will know:

Learning Objectives

To design a playground with a variety of structures.

To build a range of structures.

To improve and add detail to structures.

To create a surrounding landscape.

National Curriculum Objectives

- Use research to develop and inform the design of innovative, functional and appealing products that are fit for purpose and aimed at particular groups.
- Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.

<i>Apparatus</i>	Equipment designed for recreation and play, such as seesaws and swings.
<i>Bench hook</i>	A tool which hooks onto the edge of the workbench. It's used to hold woodwork still when sawing.
<i>Coping saw</i>	A saw with a narrow D-shaped metal blade, used for cutting curves in woods.
<i>Dowel</i>	Wood in the shape of a cylinder. Dowels come in all different sizes and thicknesses.
<i>Jelutong</i>	A type of softwood, it is lightweight, easy to cut and shape.
<i>Mark out</i>	To measure and mark where a piece of material needs to be cut or shaped.
<i>Modify</i>	To change something to improve or fix it.
<i>Natural materials</i>	Materials which come from nature. (e.g. wood comes from trees)
<i>Plan view</i>	A two-dimensional diagram used to describe a place or object from above with annotations and other details such as measurements.
<i>Playground</i>	An outdoor area for children to play in. They usually have different apparatus to play on such as climbing frames and slides.
<i>Prototype</i>	A simple model that lets you test out your idea and how it will look and work.
<i>Reinforce</i>	To make a structure or material stronger, especially by adding another material or element to it.
<i>Structure</i>	Something which stands, usually on its own.
<i>Tenon saw</i>	A saw with a flat blade, used for cutting wood in straight lines or angles.
<i>User</i>	A person that uses something.
<i>Vice</i>	A piece of equipment used to hold an object still while you work on it.

As children of God we are loved, we are called, and we are inspired.

