

Design and Technology

Subject: Design and Technology
Year group: 5/6
Cycle: Summer A
Focus: Structures
Paper and willow lantern

Intent

Through a variety of creative and practical activities, we teach the knowledge, understanding and skills to engage in an interactive process of design and making.

Specific Knowledge

Key Vocabulary

Lantern – A portable light source with a transparent or translucent case to protect the flame/bulb

Translucent – a material that allows light to pass

Willow – A plant with flexible branches

Pliable – something that bends or flexes

Layer- to arrange material over the top of another.

Series Circuits – A path through which a whole current flows through each component

Characteristics – a feature or quality of something

Stronger, stiffer, more stable – to make something less likely to break, return to its previous form or collapse.

Enabling Knowledge

Understand the characteristics of the materials being used.

Design and label the structure of a willow lantern.

To bend, join and secure a willow frame.

Understand how to strengthen the exterior by layering to create the desired effect.

Evaluate the effectiveness of the structure accessing how it could be improved.

What should I already know?

Appropriate resources and tools.

Understand different ways of creating and securing structures.

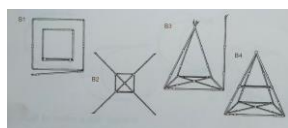
Understand different sources of light.



Research



Design



Build/Make



Evaluate



Assessment—apply learning: To make a working Paper and willow lantern.