



LKS2 Knowledge Organiser – To be able to design and create a product fit for purpose.

Vocabulary	Definition
Equipment	Materials and tools required to do the job
Join	A method of joining materials together
Finish	The completed look at the end
Design criteria	A detailed document with a list of points about a product
Evaluate	To be able to say what has worked well and what could be better
Construct	To make something
Accurately	To do something with precision
Make	To make something
Practical	To actually be able to do and complete something
Stiffen/strengthen	To make something stronger
Improve	To make something better
Reinforce	To make something stronger and longer lasting

National Curriculum Objectives

Design

use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups

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

Make

select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately

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

Evaluate

investigate and analyse a range of existing products, evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

Evaluating a range of existing products

We will explore a range of existing clock products on the market and discuss their properties and annotate them to compare and contrast ideas for our own clock design.

Designing and joining methods

Designing a product and exploring joining techniques

Children will explore a range of joining techniques and create a design specification for their clock. They will become familiar with the tools they will need to use.

Working accurately

As we go through the creating process, we will measure accurately using the tools provided and work with the tools and materials with safety in mind. We will follow our design specification choosing the appropriate joining methods.

Evaluating our product

We will review our design specification and evaluate our own product against these suggesting what has worked well and how we would improve the product.