My Product Design Learning Journey

KS3 Product Design

YEAR 7

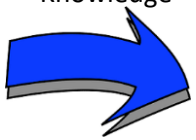
Learn for Life

KS2 – Product Design

In Year 6 learners will develop their knowledge of working safely when using tools and building on their previous knowledge of the design process.

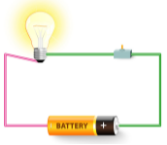
Re-cap Safety Rules

Review Design Process Knowledge



Advanced Drawing Skills

CAD



Simple Circuits

Advancing Tool Skills

Reflections and Targets

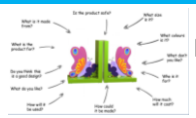
YEAR 6

Health & Safety Re-cap Research | Design | Make

Evaluate

High Quality Finished Products

Design Influences



Detailed Design Labelling

Year 5 and 6 will work through a range of design and make projects, repeating the Design Process cycle each time.

Self and Peer Evaluation

Evaluate

KS2 – Product Design

Labelling Designs

Materials

Existing Products

Using Tools Safely

Make | Design | Research | Health & Safety

YEAR 5

In Year 5 learners will develop basic understanding of Health & Safety and the Design Process.

Finishing Techniques

Tool Skills

Basic Design Skills

Simple Mechanisms

Images

Introduce Design Process

Workshop Rules

RECOGNISE - ENCOURAGE – STRIVE – PREPARE – EMPATHISE – CHRISTIAN - TEAMWORK

Key Stage 2 Learning Mat Product Design

The Design Process

Research
- Knowing your design brief and target market
- Looking at existing products
- Looking at design influences
- Learning technical knowledge (e.g. circuits)

Design
- Drawing ideas (pencil first then fine line pen)
- Adding colour (in pencil crayon)
- Labelling with notes

Make
- Working with tools and equipment safely
- Working with different materials
- Creating a high quality product

Evaluate
- Recognising strengths and improvements in the work of others
- Recognising strengths and improvements in your own work

Scissors	Craft Knife	Coping Saw	File
Metal Ruler	PVA Glue	Sand Paper	Hammer
Apron	Goggles	Pencil	Double Sided Tape
Hand Drill	Sander	Bench Drill	Permanent Markers

Design Brief: A starting point or a brief introduction to a project.

Target Market: Who you are making your product for.

Design Influence: Images and styles to base your own designs on.

Product: The completed item that you are making.