KS3 Y8 DT CURRICULUM OVERVIEW

PROJECT 1 Pewter Jewellery Pewter Sewellery Metals & Timbers

Topics being taught

Creative speed sketching drawing using Biomimicry design as inspiration.

Development of drawing techniques. Conversion of hand drawings into CAD using Techsoft Design.

How to use Computer Aided Manufacture - Laser cutting Pewter casting process Properties of Materials (Metals) Metal finishing techniques Timbers - manmade board.

What you will be assessed on

Quality of final manufactured product(s) Knowledge of tools, materials, and

processes of manufacture. Designing and presentation skills

Portfolio of evidence to include investigations, design, development and manufacture of products. Understanding and application of Biomimicry design

How you can support at home

Appropriate drawing equipment required.

Help understanding metals

Support Home learning tasks

made with metals.

linked to project.

including various different products









Topics being taught

Research + Investigation of Art Deco, Art Nouveau and Arts and Crafts design movements. CAD / 3D sketching – 'Design Iteration' to develop CAM – Laser cutting Introduction to Textiles, Dye Sublimation printing onto Vylene.

Writing a Design Brief. Assembly techniques – fabrics, Veneers, Plywood Tessellating shapes to create patterns. Modelling and prototyping. Introduction to Electronics/ electronic components.

What you will be assessed on

Quality of final manufactured product/prototypes using CAD/CAM Knowledge of tools, materials and processes of manufacture. Designing and presentation skills

Portfolio of evidence to include investigations, design, development and manufacture of products. Understanding of Art Deco, Art Nouveau and Arts and Crafts movements.

How you can support at home

Reference to the style of Art Deco, Art Nouveau and Arts and Crafts movements.







Discuss lighting, lights, bulbs Support Home learning tasks linked to project.