



Content – Block Bot

Introductory unit

Students will undertake a H&S session completed with a H&S worksheet as a reminder for expectations in the workshop environment

Learning outcome: This project will allow students to experience a variety of processes that could/would be used when completing the Product Design course at GCSE level. Students will Design and Create a wooden product exploring design development and a more hands on manufacture approach. Once students have completed the design process they will complete a basic product looking at the basics in working in the workshop, alongside H&S and using tools correctly and using correct process. Learners will consider manufacturing and restraints on their designs to meet their specification. Students will also identify different manufacturing production including Mass, Batch and Bespoke / one off.

Design Theory

Big question: What drawing techniques are suitable for what reasons?

- **Marking and Measuring** – Using correct techniques and processes to mark and measure accurately.
- **Drawing Types and interpreting** – Learning and practicing different drawing techniques
- **H&S** – General and specific H&S awareness issues identified and practiced

Practical / Making Skills

Big question: How are tools and techniques applied to the construction and making of the product that has been designed prior to making?

- **Drawing / Designing** – Practicing use of drawing techniques
- **Measuring and Cutting** – Accuracy in production of work
- **Construction and Finishing** – use of tools and techniques safely and correctly
- **Presentation** – General presentation and accuracy of making.
- **Health and Safety**– using different Making techniques with quizzes, demonstrations and links

Evaluation / Review

Big question: How will I know if my product is of a good quality and what links do I need through the project?

- **General Evaluation of product** – Evaluating in bookwork and verbal looking at improvements.

Prior learning

Prior learning required

Completion of introduction to H&S including some basic theory of tools and techniques

Global/IOM/Subject Links

Links to other subjects

- H&S → general safety techniques
- Materials → Science Natural materials

Links to Global picture

- Problem Solving and knowledge of Recycling and reusing of materials

Links to IOM

- Use of sustainable resources and use of locally sourced materials



CARE Links

CARE Values

COURAGE	'I will challenge myself and be brave in my learning'
ASPIRATION	'I will strive to do my utmost, to achieve my goals'
RESPECT	'I will be polite to all and look after our school environment'
ENDEAVOUR	'I will aspire to complete my learning to the best of my ability'