

YEAR 5: Maze Project

Name:

DT Group:



Unit/Topic Overview

Subject Vocabulary

Product Design students are introduced to the workshop. They have the opportunity to understand the importance of health and safety and gain an understanding of wood work, including marking up and cutting techniques using hand tools to create a wooden maze. A design brief is shared with the students so they can also learn about how a product functions so they are clear on what their product should do.

Students will develop their design skills for their wooden maze that will then be transformed in a final product.

Students then continue to develop their health and safety skills using hand tools and a bench drill to make different obstacles for their maze. This will create challenge and show their creative skills.

Product Design

Function

Health & Safety

Aesthetic

Design Brief

Hand Tools

Creativity

Accuracy

Manufacture

Evaluate

RAG Rating:

Start

End

Teacher

1.	I can follow health and safety rules and move around the workshop safely.			
2.	I can use the a gent saw correctly and cut straight lines accurately.			
3.	I can show an understanding of what a design brief and design specification is and why it is important.			
4.	I can design a maze accurately, following the design brief. I have challenged myself with at least 2 obstacles.			
5.	I can create a cutting list to help me when I start making my maze.			
6.	I can show accuracy in my measurements (marking up) and everything fits together on my final product using my			
7.	I can use a pillar drill safely and accurately to create my craters.			
8.	I can use a round file to create tunnels so my ball can travel easily around my maze.			
9.	I can use a range of hand tools safely to create my maze (gent saw, rats tail file and tri square).			
10.	I can explain my answers in full sentences and explained why using DT keywords.			