



**Year 10
Summer Term
Project**

Pathway 2/3/4

**Subject: Design Technology (Resistant Materials)
Introduction to NCFE Level 1 (Unit No2)
Construction**

Learning Intention: NCFE Level 1 Award in Creative Craft (construction) Unit No 2

This unit is about exploring a craft idea in the construction area. This unit will focus on sources of ideas, discussion of ideas, develop ideas, identify the choice of a design and the health and safety.

Key knowledge that should be learned during this SoW

All

Most

Some

Concept:

This is the second unit of the level 1 and has 6 areas of study that look at exploring craft ideas. To use different sources for ideas. To use visual language to communicate craft ideas. To discuss craft ideas with others. To develop craft ideas in response to feedback. To identify preferred craft ideas giving reasons for choice and list health and safety factors relevant to the craft idea.

Knowledge:

All students should be able to research different ideas of a product to make for this unit in at least 2 different ways. With help

All students should be able to create at least 2 different drawn ideas for their craft project. There should be a simple specification written. With help

All students are able to develop a

Most students will be able to research existing design ideas using at least 3 different sources to collect ideas for development.

Most students should be able to create 3 different ideas of craft products with some annotation from their research. Also students need to write a specification to aid their design ideas. With some assistance

Some students will be able to research existing design ideas using at least 4 different sources to collect ideas for development. independently

Some students should be able to create a specification for their 4 or more different ideas of craft products with some annotation to highlight areas of their design. Some assistance

Some students should be able to

	<p>final idea with at least 1 change. With help</p> <p>All students are able to give at least one two why they have chosen the specific idea by relating it to a simple specification. With help</p> <p>All students in state safety needed to produce ideas.</p>	<p>Most students should be able to develop a final design from the initial design ideas with at least 2 changes to the design. With assistance</p> <p>Most students give a reason for the choice of the idea by relating to the specification for the choice of craft idea.</p> <p>Most students state and show that they know the correct safety procedure for the use of tools and materials. With assistance</p>	<p>develop a final design from the initial design ideas with at least 3 changes to the design. Some assistance</p> <p>Some students give a reason for the choice of the idea by relating to the specification and saying how it fulfils the specification points for the choice of craft idea.some assistance</p> <p>Some Students state and show that they know the correct safety procedure for the use of tools and materials. Independently</p>
<p>Key Skills:</p>	<p>To be able to research on the internet and in magazines for ideas.To create a mood board.</p> <p>To be able to sketch in 2D and develop the sketch</p> <p>To write a simple list of what the product must do.</p> <p>To understand health and safety in the workshop.</p>	<p>To be able to research in books,the internet and magazines for ideas.To create a mood board with some annotation of the existing products.</p> <p>To be able to sketch in 2D and create more than one view and develop it.</p> <p>To write a more complex specification to help with designing.</p> <p>To state the health and safety procedures needed to make this product.</p>	<p>To research from different areas, internet book magazines and shop to gain ideas. To create a mod board to develop ideas from.</p> <p>To be able to sketch in 2D and a little in 3D using isometric grids to help develop design ideas.</p> <p>To write a more complex specification to help with designing.</p> <p>To state the health and safety procedures needed to make this product.</p>

<p>Language and/or communication skills:</p>	<p>To be able to draw in 2D and 3d with an isometric grid.</p> <p>To be able to write a specification using ACCESS FM</p>	<p>To be able to annotate a drawing using the correct technical words from unit 1</p>	<p>To be able to name the safety PPE and rules to follow for the making of the chosen product.</p> <p>Goggles.apron,strong shoes,ear defenders,.</p>
<p>Curricular Links</p>	<p>Links to other learning within the subject are: Science and maths Computing ,english reading and writing Art sketching</p>		