



Year 10  
 SPRING Term  
 Project

Pathway 2/3/4

**Subject: Design Technology (Resistant Materials)  
 Introduction to NCFE Level 1 (Unit No1)  
 Construction**

**Learning Intention: NCFE Level 1 Award in Creative Craft (construction)Unit No1** This unit is about exploring a craft resource in the construction area. This unit will focus on wood and develop basic skills to make a product.

Key knowledge that should be learned during this SoW

All (Pathway 2)

Most (Pathway 3)

Some (Pathway 4)

**Concept:**

This is the first unit of the level 1 and has 5 areas of study that look at resources to develop craft skill .To explore a range of tools and equipment to support the idea. To identify different materials to use.To explore the properties of these materials. To Explore techniques within the chosen area.To show safe working practice when working with tools and materials.

**Knowledge:**

All students should be able to select the main tools and equipment that can be used in a construction project made with wood .Students will write a list of tools and uses from the information provided.with help.

All students will be able to name the materials that could be used and the properties of the materials . Students will be given the information to use,and fill in the sheets provided with help.

Most students will be able to select some of the main tools and equipment that would be used in a construction project made with wood. The students will be able to use the notes to write the names and uses of the tools with little assistance.

Most students will be able to name the materials and their categories for use in their construction project naming different woods including properties and uses that could make them suitable. Students will use

Some students will be able to select some of the main tools and equipment that would be used in a construction project made with wood independently . The students will be able to use the notes to write the names and uses of the tools with independently

Most students will be able to name the materials and their categories for use in their construction project naming different woods including properties and uses that could make

	<p>All students will look at various ways of jointing the material and be able to name the joints and uses from the information provided. With help</p> <p>All students will learn the safety procedures for the use of tools and materials and put them into practice , with help</p> <p>Students will make some sample joints.</p>	<p>notes govern and previous knowledge to fill in the sheets ,with some assistance.</p> <p>Most students will look at various ways of jointing the material and be able to name the joints and uses from the information provided. With help</p> <p>Most students will use the safety procedures for the tools and materials and be able to relate them to the project and wider workshop.</p> <p>Students will make some sample joints by making a lap joint box.with some help</p>	<p>them suitable. Students will use notes govern and previous knowledge to fill in the sheets ,with some assistance.</p> <p>Most students will look at various ways of jointing the material and be able to name the joints and uses from the information provided. With help</p> <p>Most students will use the safety procedures for the tools and materials and be able to relate them to the project and wider workshop.</p> <p>Students will make some sample joints by making a lap joint box.independently</p>
<p><b>Key Skills:</b></p>	<p>To know the names of some different woodwork tools ,wood categories and some of the individual woods for the product .To know how to use some of the tools to make the product- To know the correct health and safety rules and procedures.</p>	<p>To be able to choose the different woodwork tools to use to cut the joints , to understand the wood categories and properties of the individual woods for the product .-To use the correct health and safety rules and procedures to use tools and work in the workshop.</p>	<p>To choose the specific woodwork tools and processes needed to cut the joints and the wood, To be able understand the wood categories and properties ,characteristics and use of the individual woods for the product .-To use the correct health and safety rules and procedures to use tools and work in the workshop.</p>

<p><b>Language and/or communication skills:</b></p>	<p>To be able to draw in 2D</p> <p>To Know about Soft wood : Pine ,Douglas Fir .Hardwoods Oak and manufactured boards MDF</p> <p>Properties and characteristics including use,price and workability of specific woods.</p>	<p>To know the names of tools. Tri Square,steel ruler chisel ,mallet,tenon saw,G Clamp.</p>	<p>Joints Lap Joint,Butt Joint, Finger Joint, Dowel joint.</p>
<p><b>Curricular Links</b></p>	<p>Links to other learning within the subject are: Science and maths english reading and writing and geography</p>		