



**Year 9
Autumn Term**

Pathway 2/3/4

**Subject: Design Technology (Resistant Materials)
Desk Tidy Project**

Learning Intention: Woods categories and Processes This project is about manufactured wood boards . Students will learn the difference between the different manufactured boards and their characteristics. Students will learn about MDF, and plywood , and how to join it. They will also learn how to put a draw in one point perspective . The project is a desk tidy.

**Key knowledge that should be learned
during this SoW**

All

Most

Some

Concept:

To construct a desk tidy in MDF and plywood. Making finger joints and but joints. Designing the shape and drawing it in one point perspective. Learning about the characteristics of MDF and plywood and the tools to make the project.

Knowledge:

All students should be able to understand what is a manufactured wood board

All students will be able to use the tools to cut the finger joints for the desk tidy with some support and make the desk tidy design given.

All students will be able to draw a one point perspective drawing with complete support

Most students will be able to name 2 to 3 of the different manufactured wood boards

Most students should be able to make joints for the desk tidy and choose some of the relevant tools with little support and make amendments to the design given.

Most students will be able to draw the one point perspective drawing with little support.

Some students will be able to name 3 to 4 of the different types of manufactured wood boards and their characteristics.

Some students will be able to choose the tools to make the finger joints and a design on it independently ,and change the original design to suit their needs.

Some students will be able to draw the one point perspective drawing independently.

Key Skills:	To know the names of the two manufactured boards that are used for the project. To know the names of some of the different tools to be used. To know the name of the joint used for the desk tidy.	To know the names of four manufactured boards and their uses .To know the names of the tools needed for the project and some uses. To know the names of 2 joints and what tools are needed to make them and the desk tidy.	To know the names of four manufactured boards and their characteristics and uses .To know the names of all the tools needed for the project and uses . To know the names of 2 joints and what tools are needed to make them and the desk tidy.
Language and/or communication skills:	Manufactured Boards MDF, Plywood ,Chipboard ,Blockboard , PVA, Nails,	Finger Joints,Butt Joints Cutting, filing, sanding ,measuring Ruler, tri square, tenon saw, chisel, mallet, G clamp, vice. Assembly	One point perspective, View Point
Curricular Links	Links to other learning within the subject are: Science ,maths ,Geography, Economics,		