Year 7

Knowledge you will gain

The safe use of craft knives

Key properties, attributes examples of card.

Key properties, attributes examples of polymers, Aluminium and Plywood.

Students to learn how to mark out, cut, shape and polish Acrylic, Aluminium and Plywood.

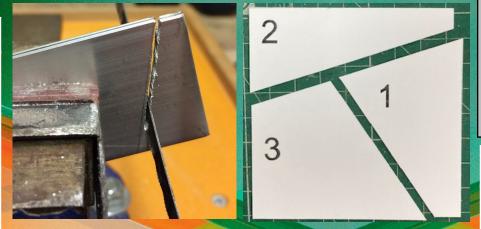
Students to design and make a piece of packaging, learn what a 'net' is, that will hold their puzzle pieces.

<u>Tools you will be introduced to, to build</u> your Schema and Knowledge.

Craft knife
Junior hacksaw
Hand file
Sanding block
Polish
Wet and dry sandpaper



Year 7 Puzzle Knowledge Organiser - KS3



Vocabulary

Cutting	Junior hacksaws are the small variant of mechanical normal sized hacksaws and are used to cut small working pieces
Filing	A small particle rubbed off by a file when smoothing or shaping something
Acrylic	made from polymers of acrylic acid or acrylates:
Aluminium	A light silvery-grey soft metal
Plywood	A manufactured board made from layers of ply
Wet and Dry	Using Wet and Dry Paper wet will prolong its life and makes for a better finish.

Things to look for in your Puzzle project. Ensure all edges are straight, make sure you check them against your template, ensure there are no saw marks.

Brief description of the project:

To create a 3-piece puzzle consisting of timber, metal, polymer predetermined geometric shapes. Card box packaging will complete the product. Materials theory will be weaved between practical tasks.

To know about:

To understand how to work in a workshop.

Select from and use specialist tools, techniques, processes and machinery precisely.

To select from and use specialist tools, techniques, processes precisely.

Techniques

Precision and accuracy- Craft knife cutting

Cutting with Junior hacksaw

Filing with hand file

Wet and Dry sandpaper

Polish with steel wool and Brasso







