

YEAR 9 PRODUCT DESIGN ROTATION JEWELLERY PROJECT

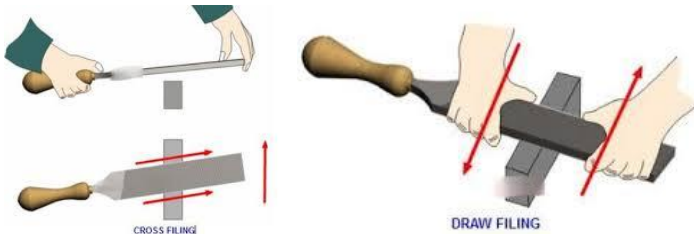


Acrylic – the type of plastic used in this project

- Acrylic is a very versatile material.
- Acrylic is a type of thermoplastic – this means that it can be heated to change its shape.
- Acrylic is fairly easy to cut and shape using hand tools
- Acrylic can also be cut on the laser cutter to make detailed shapes
- Acrylic can be made in virtually any colour by adding a dye to the liquid plastic.

Names of Techniques

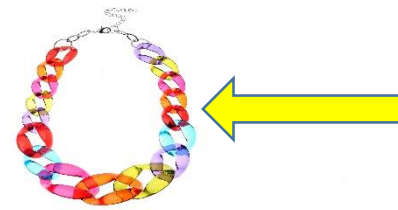
1. **Cross filing** – this is used to remove fairly large quantities of acrylic
2. **Draw filing** – this is used to remove scratches and marks from the edges of acrylic
3. **Polishing** – an abrasive polish is used to shine the edges of acrylic
4. **Line Bending** – using the strip heater acrylic can be bent at a particular point or line
5. **Oven Heating** – by heating the whole piece of acrylic it can be twisted and stretched
6. **Laser cutting** – using 2D design small shapes can be cut from acrylic



Different examples of Acrylic Jewellery



← Laser cut images with chains used to represent leads



← Necklace made with strips of twisted acrylic



← Plectrum necklace



Tools and equipment used in this project

Description

Heat Proof Gloves



MUST be worn when handling hot acrylic

Coping Saw



A coping saw is used to cut wood OR acrylic. The thin blade allows you to cut out awkward shapes

Flat Files



In this project flat files are needed to cross file AND draw file

Powered hand drill

In this project a powered hand drill is required to drill SMALL holes in SMALL amounts of material

Needle files



As the name suggests these are very small files used in jewellery making for filing small areas smooth

Strip heater

This is used to bend acrylic objects in a certain defined area

Chains, clasps and eyelets



To be able to wear your acrylic jewellery you will need fittings such as chains, clasps and other small fittings.