**EARNSHAW STATE COLLEGE**

7 T.M.T. (UNIT 1: KEY RING)

Procedure

**Introduction to material** (Polymethylmethacrylate or Acrylic)

1. Comes with **paper** to reduce the likelihood of scratches. Paper to be removed when job is completed.
2. Available in a range of **finishes**, i.e. clear, translucent (colour tint) and opaque (solid colour).
3. Characteristic. Material is very **hard/brittle**. Demonstrate.

**Marking out**

1. Whilst referring to the selected design from section 4 of the task sheet, use a pencil only to draw up chosen design.

**Waste removal** – **Cutting**

1. **Tools** Rqd. – Coping saw, “V” cutting board, holdfast.
2. Clamp board to workbench having the **holdfast arm** positioned on the right.
3. **Introduction to coping saw** namely,

* Saw parts – Handle, frame, blade (which is easily broken)
* Three fingers (of dominate hand) around handle
* Index (pointing) finger against frame
* Thumb on opposite side
* Position saw so that blade moves vertically
* Practice “up-and-down” action with students
* Hold plastic securely with non-dominate hand (left hand for most students)
* Cutting is to occur on the outside of the line of the drawn design. DO NOT CUT ON THE LINE.
* Reasons for blade breakages.
  + Trying to turn the saw 90° whilst it is stationary.
  + Removing the saw whilst NOT moving it up and down.

**Waste removal – Cross filing**