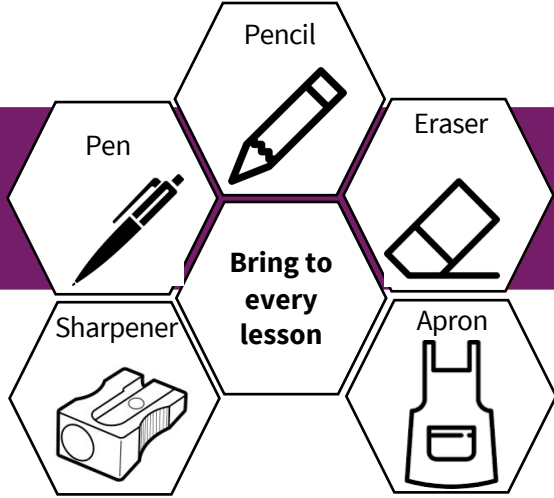


# Design and Technology – *New intake information*

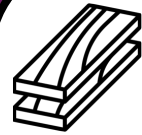


## Health and Safety

A clear understanding of potential health and safety hazards in the workshop is vital for all students. Year 7 learn how to be safe in the workshop and how to observe general health and safety rules. They are also given specific instruction regarding hand tools and machinery.

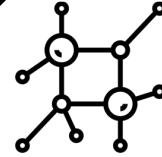
We realise that Year 7 students may not have any experience of learning in a workshop environment. Our first unit is based round helping them transition.

## Year 7



### Timber based materials

- Health & Safety
- Sources & origins of timber
- Tolerance
- Tools & techniques for working with timber
- Designing for a client
- Drawing in isometric
- Environmental issues



### Polymer based materials

- Health & Safety
- Sources & origins of polymers
- Taking inspiration from the work of others
- Tolerance
- Tools & techniques for working with polymers
- Orthographic projection
- Environmental issues



### 2D CAD and CAM

- Health & Safety
- Advantages and disadvantages of CAD/CAM
- Tolerance
- Tools and techniques in Techsoft 2D Design V3
- How a laser cutter works

