

# Keywords: Year 9

## Resistant Materials

### Topic Title: Yr9 Resistant Materials

**Introduction to the topic: Why are you learning it and how does it link to what you've learned before?**

**Designing and making a product for a client**

**What lessons will you cover during the topic?**

**Dimensions, Tools and Machinery, Printed Circuit Board, CAD, Vacuum Forming, Finishing, Assembly and Evaluation**

Keyword	Definition
Hardwood	A wood from deciduous trees, usually lose their leave in the winter e.g. ash, beech, oak
PCB Board	A printed circuit board used in electrical engineering
Resistor	An electrical component that limits the flow of electricity in a circuit
Taps and Die	A tool used to create a screw thread
Threads	The ridges on the outside of a screw or bolt
Vacuum Forming	A process where plastic is heated and air removed so the plastic forms around a mould
Acrylic HIPS	High Impact Polystyrene, a plastic used for vacuum forming
Manufacturing Plan	The plan for how to manufacture a product
Danish Oil	A wood finishing oil
Dowel	A peg that fits into two corresponding holes to join two parts