What will I learn in Resistant Materials?

Our Lady's Catholic High School

Year 11

Coat hooks

- GSCE NEA: research
- CP: mechanisms
- CP: systems
- Metal work
- Casting and mould making
- CP: materials
- Isometric drawing
- Design eras and the work of others
- CP: automation
- CP: energy generation and storage

Year 10

Book ends

- CAD/CAM
- CP: industry
- Laminating

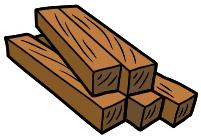
Lamp project

- Theory
- Problem solving

Year 9

Clock

- Manufacturing (6): assembly of CAM parts
- Design (4): advanced use of CAD
- Evaluating the design against the specification
- Developing a design for a particular customer

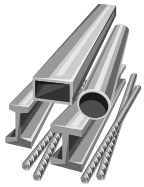


- Manufacturing (5): making a wooden base
- Theory

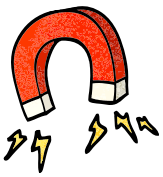
Year 8

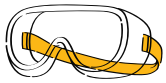
Sports figure

- Manufacturing (4): cold forming and brazing
- Manufacturing (3): cutting metal safely and accurately



- Development (1): creating a scale drawing and cutting list
- Design (3): using imagery to create a recognisable form
- Chocotastic Challenge
- Cadbury World research trip
- Theory
- Sequence diagram





Year 7

Fridge magnet

- Design (1): fridge magnet
- Manufacturing (1): CAM

Key fob

- Design (2): key fob and using abstract patterns
- Manufacturing (2): workshop safety and hand tools