

Year 9 Revision Design and Technology



Systems & Control

What are the purpose of using mechanism?

Types of motion symbols and descriptions

Levers and their classification - FLE123

Types of Cams & Followers and differences in motion

Types of Gears - and their individual purposes

Changing velocity & magnitude of movement

Design sketching and annotation

Fulcrum (Pivots) and how to make them

Wood cutting tools and workshop safety

Resistant Materials

Research and product analysis

Catagorisation of polymers

Thermosetting and thermoforming plastics

Heat forming processes - plastics

Joining plastics - adhesives and fixings

Techsoft 2D Design CAD package

CAD - CAM functions and set up

Plastic forming processes used in manufacturing