

# Year 7 Revision Design and Technology



## **Systems & control**

What is CAD and CAM?  
CAD tools and functions  
Advantages and disadvantages of CAD  
Task analysis - mind mapping  
Design sketching and annotation  
Use of 2D Design CAD package  
Basic Circuit design  
How to soft solder electronic components

## **Resistant Materials**

Year 7 Revision Materials  
Generation of ideas  
Modelling - net templates  
Machine use and workshop safety  
Cold forming with metals  
Metalwork hand tools and uses  
Heat treatments - brazing and annealing  
Working with non-ferrous metal  
Introduction to working properties and material selection