

# RESISTANT MATERIALS KEY STAGE 3 SUBJECT CURRICULUM

## LEARNING JOURNEY



Workshop safety

Use of **Coping saw** and function

Use of **template** and function

Sources and origins of **natural timber**

Use of **Files & rasps** and function

Use of **pillar drill** and function

Use of **bandsaw** and function

Types & names of **manufactured boards**

Applying practical skills to realise a coaster



Applying CAD modelling skills to produce a construction kit using 2D Design

TechSoft 2D Design skills

Advantages and disadvantages of CAD

Differences between 2D and 3D Drawings

Why CAD?



The benefits of Upcycling?

The difference between Recycling, Upcycling and Reuse?

What is a live manufacturing specifications?

Generating creative upcycle design ideas

What is a diary of manufacture?

Realising a prototype upcycled product

