



YEAR 7

Working with Timbers

An introduction to working with timbers. To design and manufacture a moving coat hook. Links to Art Deco and Art Nouveau.



STEM: Race to Line

Working in teams to design and build the most aerodynamic and weight efficient rocket car. Inspired by Sir James Dyson.



Working with CAD/CAM

An introduction of CAD/CAM and how automation is used in industry. Knowledge of laser cutter and vacuum former. Links to Harry Beck.



YEAR 9

YEAR

9

Developments in New Materials

Applying understanding of textiles to manufacture a pouch with a sustainable design element at its centre. Then applying knowledge of smart and modern materials to design trainers. Links to Vivienne Westwood and Tinker Hatfield



Working with Paper and Board

Applying electronical skills and practical skills to create a desktop lamp. Inspired by William Morris.



Applying Skills in CAD

Applying CAD skills to create interior rooms and understanding of die casting. Links to Ettore Sottsass and Memphis.

Design & Technology

Working with Textiles

Textile and electronic keyring where students are introduced to textile materials and electrical components. Inspired by Primark.

PRIMARK

YEAR 8

Innovation through Iterative Design

Working in teams to design and make a product that solves an everyday problem. Inspired by Yinka Ilori.



Working with Metals

Introduction to metals. This project enables students to have a greater understanding of waste management and an appreciation for manufacture. Inspired by Philippe Starck and Alessi

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