

Progression to next stage of learning:
Post 16



TREVIGLAS
ACADEMY

11

Design Technology Topic Roadmap

10

Electrical components and circuits

Investigating lamp design

Evaluating and analysing existing products, disassembly.

9

Developing ideas through modelling

Formal drawing techniques

Properties and applications of metals – Aluminium case study

Creating using different materials including concrete

Metals and the manufacturing industry
Candle holder project

User needs and solutions through case studies

Computer Aided Manufacture

Developing CAD & CAM skills
Table tennis bat project

Investigating & applying ergonomics
Table tennis bat project

Sustainability issues and solutions

8

Exploring the process of metal casting and plastic forming (Creating and evaluating)

Exploring finishing techniques on metal

Reflecting on the work of others as well as their own.

Exploring electrical and mechanical systems

Developing tool and finishing techniques using manufactured woods

7

An introduction to Computer Aided Design & packaging

Exploring Target markets & Needs

An Introduction to equipment (Understanding & Creating)

Knowledge & Understanding

Designing

Creating

Industrial practices