

Chauncy School Design Technology Learning Journey

Year 10

Cambridge National Engineering Design Level 1/2
R107 Developing and presenting ideas
R108 Design Realisation

Year 10 & 11

Year 11

Cambridge National Engineering Design Level 1/2
R105 Design briefs, Design specifications and user requirements.
R106 Product analysis

Design Competition (Design Museum London)

Focus: Development of design thinking, creative and business skills

- . To develop 3D drawing techniques
- . To recognise that the designer works in collaboration with the client
- . To understand that the product is aimed at a target audience
- . To develop ideas using appropriate materials and techniques
- . To understand that a product is developed to be manufactured and subsequently sold.

Year 9

Passive speaker

Focus: Design and make

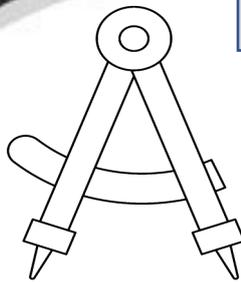
- . To understand scales of production
- . To understand how to use CAD to create a design
- . To learn how to draw precise engineered drawings
- . To understand how to make a product that requires a tolerance.
- . To evaluate a product

Children's toy

Focus: Design and Make

- . To use CAD
- . To develop ideas
- . To understand the difference between manufactured boards and natural timbers
- . To plan the making tasks
- . To make a toy suitable for a young child
- . To evaluate the finished design

Year 8



Home Office

Focus: Design

- . To understand how to draw in perspective
- . To develop ideas using a design methodology
- . To produce a client's visual
- . To understand sustainability.

Phone charging stand

Focus: Construction

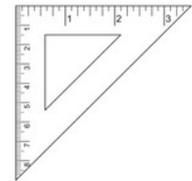
- . Workshop safety
- . Identify the difference between thermo and thermosetting plastics
- . Use a computer aided programme to produce design work
- . Develop an idea
- . Use workshop machinery safely
- . Evaluate ideas

Year 7

Pizza Cutter

Focus: Design

- Focus: Design
- . Understand Primary/Secondary research
- . Develop an understanding of anthropometrics
- . Develop ideas using a design methodology
- . Create a final idea
- . Develop a prototype using appropriate modelling materials
- . Evaluate work



Year 12/13

BTEC Extended diploma in 3D Design

- . Four external units
- . Nine internal units
- . Two year course equivalent to two A levels.
- . Product, interior and exterior architecture, design engineering.

Year 12 & 13