

# Design Technology - Product Design Curriculum Map

A Journey Through DT

Final Grade Assessment:

50% NEA

(45 A3 pages)

20% Design and Making Principles

(Product Analysis and Commercial Manufacture)

30% Technical principles

(Wider issues in D&T)



Selecting appropriate tools, equipment and processes.



Building critical analyse and evaluation.

Developing design proposals

Exploring design possibilities

Exploring design processes

NEA

50%  
30-35 hrs

Accuracy of design and manufacture

PPE

50%

1hr 30mins

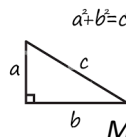
2hrs 30mins

Technical Principles

2hrs 30mins



Investigating into cultural and technology changes over time



Mathematical Skills



Identifying how manufacture differs according to the scale

Year 13

Developments in Technology  
Design influences

Sustainability/Responsible Design  
Protecting Designs

Inclusive Design  
Enterprise and Marketing

QC & QA

Project Management

Exploring the work of others and design movements



National and International Standards



Designing and Making Principles



Working with a wide range of materials to model



Exploring strategies and computer systems used in industry to reduce cost, time, and environmental impact



The Hazeley Academy

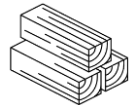


Year 12

Investigating and testing characteristics of a wide range of materials to identify possible material selections.

Analysing the developments of CAD/CAM over time to understand advancements and growth.

Designing and Making Principles



Mini Project

Exploring a wide range of materials:

Mechanical and Physical properties



Materials and applications  
Health and Safety

Stock Forms

Processes

Scales of Production

Product Development

Testing

Finishes

Material Enhancements

Design Communication

Industrial Manufacture