

# Design and Technology

## Other Routes...

D&T can lead to a wide range of rewarding vocational and technical courses.



## Exam Preparation

Important and focused time getting ready for the GCSE exam. Recalling all that has been learned on this journey!



## Non-Examined Assessment

An exciting and independent project where you spend a significant amount of time designing, developing and testing your own product based upon a context given by the exam board.



YEAR  
**11**



## A Level Product Design

This can lead to a wide range of degrees, apprenticeships and careers.



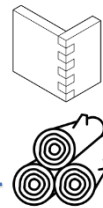
## Toolbox

Working with manufactured boards to create a well finished and useful product. Learn how to communicate your designs using different types of drawing.



## Specialist Technical Principles - Timbers

A deep focus on timbers, their uses and key manufacturing processes.



YEAR  
**10**

## Dog Tag

An introduction to safe practical work and reading working drawings.



## Timbers - Laminated Sharpener

Working precisely with hardwoods to make useful projects.



## Desk Tidy

A more complex piece of metalwork involving spot welding, dip-coating and learning how to plan and check the quality of your work.



## Practice NEA Design Portfolio

An opportunity for you to Apply the knowledge you have learned so far to a NEA style design project.



## Independent Design Portfolio

Apply all that you have learned as you design, develop and model your own ideas.



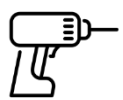
## Robot Control

Controlling inputs and outputs by programming robot movements.



## Electronics Design

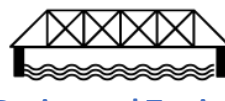
Design and make a working electronic product. Investigate how to make products responsibly.



YEAR  
**9**

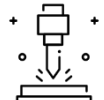
## Bridge Design and Testing

Understand how to design, build and test structures which have to withstand different forces. Use CAD to help you refine your designs.



## Mobile Phone Stand

Carefully fabricate a precision piece of metal work from aluminium.



## Street Furniture

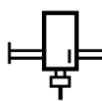
Consider what user's need as you design and prototype new equipment for your park.



YEAR  
**8**

## Polymer Clock Project

Learn a range of new manufacturing Processes including line bending and grit blasting. Use CAM to help you make high quality designs.



## Keys and Glasses Holder

A useful product which teaches you how to plan your manufacturing and make parts which fit together and have an excellent finish.



## Introduction to the Workshop

It is quite common for a workshop to be a new environment for most Year 7 students. Don't worry, we'll show you how to stay safe as you get to know your way around.

YEAR  
**7**

## Design Movement Name Plate

Learn how to use hand tools with accuracy as you investigate some design history.



## Retro Racing Car

Make a retro F1 car as you learn how to use machines and tools safely.



## NERF Design Project

Communicate designs clearly and investigate independently.



PRIMARY  
SCHOOL

## Design and Technology in Primary School

Throughout your time in primary school you will have made some projects based on topics you studied. You may have selected materials and discussed their properties. You may have modelled your ideas and tried to make projects that have working mechanisms. Some of you will have used some hand tools such as junior hacksaws and hand drills.

