

Design and Technology at Padgate



What do I know?

A practical and theory test will allow you to demonstrate your learning before you move into Year 10 options to expand and enrich your Design and Technology knowledge further.



Year 9

Forming your own opinion and analysing architecture will allow you to design and produce computer aided graphics of an environmental building design.

Year 9

Your Food and Nutrition lessons will be based on how you develop your practical skills and learning more complex cooking methods relating to dietary needs.



Year 9

During your product design lessons you will learn how different types of materials are suitable for different products. You will design and develop your own product related to a design brief.

Year 8

Within this product design rotation you will explore existing products, look at ergonomics and design your own solution to a modern day problem using a range of workshop based tools and equipment.



Year 8

During the CAD CAM and textiles rotation you will learn new skills and techniques whilst understanding the origins and properties of manmade and natural materials.

Year 8

Building on your Food and Nutrition lessons you will re-visit The Eatwell guide looking at types of energy needed in a diet and how to make and cook healthy dishes.



Year 7

In your CAD CAM rotation you will work to a design brief, designing aspects using software and then manufacture using the laser cutter.

Year 7

In your Food and Nutrition rotation you will learn the basic practical skills so you can prepare healthy dishes. You will refer to the Eatwell guide and origins of food.



Year 7

In your product design rotation you will gain confidence when designing and increase proficiency of handling different materials, such as wood and card modelling.

Baseline test

You will be assessed at the start of each year on; safety, materials, tools and equipment from KS2 or previous KS3 year.

Year 7-9 Learning journey

