

A warm welcome to Y6...

Design & Technology

Head of subject: Mr. Haigh

The Team

The Design and Technology team at High Storrs is made up of three skilled and experienced members of staff. Mr Haigh and Mr Vickers have been at the school 10+ years, with M recently joining us after an amazing career in the field of Design. Together we have created a fun and exciting range of KS3 projects covering all aspects of the Design and Technology Curriculum.

Mr Haigh: Subject leader:

- Specialist in Graphic and Digital Design and Product designer

Mr Vickers: Associate Assistant Head Teacher:

- Specialist in Product Design, Materials and Manufacturing

Mr Hall:

- Specialist in Product Design and Material Manufacturing

Mrs Parkin:

- Specialist in Product Design and Graphic Products

The Curriculum

In Year 7 you will start your journey in becoming a designer. We begin your journey with a range of skill builder Mini Makes showcasing a variety of different machines, processes and materials you will work with whilst in the Design and Technology department.

Car Project: Using a range of exciting tools and machines you will manufacture a car that will be part of an end of project race! Throughout the project you will learn a whole host of new practical manufacturing skills that allow you to confidently create your own car.

Architecture: Much like 'Grand Designs', the Architecture project is all about research and finding inspiration from around the world. Then using this to design and create your very own house inspired by the work of other designers and Architects. You will do this using practical modelling skills and in virtual reality using CAD packages such as google sketch up.

In Year 8 your journey to become a designer continues as you discover more about materials, processes and designing.

Iterative Design project: Using new sketching skills, modelling skills and researching techniques you will create your own product using a range of modelling materials. You will gain an insight into the life of a designer, and they produce new products.

Trowel project: You will create your own trowel learning about engineering methods and processes. Using a manufacturing technique called sand casting you will personalise your trowel with an aluminium cast disc.

Lighting Project: Using a range of interesting materials such as plywood and concrete you will design & manufacture your own light that pivots. This is another practical based project in which we build on skills learnt in Y7. You will manufacture all aspects of the light from the product to the circuit board that powers it.

KS4 and beyond:

In Design and Technology at High Storrs we are proud to offer a range of different options for you to continue to your studies. Product Design GCSE is a very popular course which allows you to continue your journey in being a designer through; sketching, modelling and manufacturing products. This course can then be continued into our Sixth form moving into Product Engineer and Design.

Results

Design and Technology at High Storrs is an increasingly popular subject. We have consistently gone above and beyond for our students enabling them to achieve fantastic grades. Over the last 2 years 55 % of students taking DT have achieved a 9-7 grade and 90% students achieved 9-4 grades (A*- C) which are amazing results. In recent years we have consistently achieved grades surpassing the national average and outperforming similar centres (over 20% above) that offer the Design and Technology Product Design GCSE course.

Paths often chosen by students taking our GCSE/ A level Product Engineering and Design courses are: Product Design, Engineering, Mechanical Engineering, Interior Design, Aeronautical Engineering and many more through apprenticeships (AMRC) and university courses across the country.

Our Legacy

In Design and Technology, we want to foster and develop student's passion for Design, Inclusive Technology and Engineering.

We strive to support students in becoming independent learners and challenge them to develop practical skills that will help them thrive as adults in the modern world.

We believe that Design and Technology at KS3 should be fun, exciting and challenging, igniting their passion for good design.

