

Introducing Technology

One of the things that has helped humankind to develop so rapidly is our ability to make and use products. Like complex language, it is one of the capabilities unique to human beings and it continues to steer our evolution today. Technology is the subject that teaches us to appreciate the importance of designing and making products that function well.

Why is it important to learn about Technology?

The world needs creative thinkers and people who can solve problems. Learning Technology helps us to develop these vital skills which are needed in nearly every aspect of our lives. Technology teaches us how to be creative by developing our own ideas and understanding the ideas of others. Above all, Technology is fun. We all like feeling proud when we have made something that works well and we all learn better when we do things in a practical way. We spend most of our time making things in Technology because it is fun and that makes learning more effective.

What is Technology like at Sha Tin College?

Have a look at our Wiki space:

www.stctechnology.wikispaces.com

This has lots of examples of the work that we do in all years and has lots of resources to help you with your studies. The following is a summary of our courses in Design & Technology:

In years 7, 8 and 9, all students at Sha Tin College learn Technology. They spend most of their time designing and making useful products that they are proud to take home. The lessons and projects are varied and interesting, often full of surprises and challenges.

In years 10 and 11 you can carry on studying Technology if you want to and achieve a GCSE qualification. There are four to choose from:

- **Food Technology**
- **Graphic Products**
- **Resistant Materials**
- **Systems and Control (Electronics)**

In Years 12 and 13 you can continue to study Design Technology as part of the International Baccalaureate Diploma (Standard and Higher level).

The Design Technology options are:

- **CAD/CAM** (best GCSE match - Resistant Materials)
- **Food Technology** (best GCSE match - Food Technology)
- **Human Factors Design** (best GCSE match - Graphic Products)
- **Electronic Product Design** (best match – Systems and Control)

Each option closely matches one of our current GCSE options so it is easy to continue studying your chosen specialist area. You will be taught by a specialist teacher and will still be designing and making products. Here is a basic summary of the course:

Year 12: Standard level Topics 1-7, Higher level study additional Topics 8-12.

Three 'Internal Assessments' or mini-projects for Standard level students plus an extra one for Higher level students.

Year 13: Options as above (standard level topics and additional higher level topics)

One 'Major Project'.

If you have any further questions, details are available in the Year 11 curriculum brochure or you may speak to any member of the department.

Many of our students carry on their studies in Technology at University, learning about a huge range of subjects including:

Architecture, Hotel Management and Catering, Product Design, Food Science and Nutrition, Graphic Design and Engineering.

This is just the tip of the iceberg, many courses like to accept students who have studied Technology because they are creative and know how to design and make products.

What is 'Design and Technology'?

The department at Sha Tin College is called the **Technology Department**. Everyone who works in it helps to teach about designing and making products.

Some of your lessons will focus on Food so these lessons are all called '**Food Technology**'.

Some of your lessons will focus on materials, electronics and graphics so these lessons are all called '**Design and Technology**'.

Some of your lessons will focus on information and communication technology, using a range of computer software and hardware, so these lessons are called '**ICT**'.

You can find out about all of these things in much more detail by visiting our Wiki space:

www.stctechnology.wikispaces.com

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