

Design & Technology

Year 9

Overview: Year 9 students will study a rotation pattern of Food Technology, Graphics, Textiles and Resistant Materials until February. Students who have opted for a Design & Technology subject will then join the class they have opted for, whereas the students who have not opted for a Design & Technology option will complete the CAD/CAM course to develop skills and lifelong learning.

Programme of Study: In Graphics students are encouraged to develop skills by extensive experimentation of pop up mechanisms. Students will study a range of graphic artists to create their own unique pop up book. In Food Technology students will focus on the topic of Multicultural food. This module aims to further develop students practical skills and introduce students to a variety of food products from around the world. They will learn to cook bread along with a selection of other international recipes. In the theory lessons students will learn about some of the environmental, social and moral issues relating to food, as well as about the place of food in different countries and cultures. The Resistant Materials scheme of work aims to familiarise year 9 students with of a range of materials and traditional manufacturing techniques to create a bespoke piece of jewellery. Students will be expected to create both the mould and cast the jewellery piece in pewter. In Textiles students will develop a range of hand and machine stitching techniques to create a class wall hanging. In CAD/CAM students will experiment with a range of CAD programmes to raise skills in a variety of software programme.

Homework: In Design & Technology pupils will be given weekly homework tasks after their double lesson, these vary from; drawing exercises, question and answer, design work, spelling practice, ingredient purchasing, research, lesson recall and literacy tasks.

Assessment:

Pupils will be assessed at the end of each topic based on pupils team work, creativity, experimentation, presentation and understanding of processes, tools, materials and ingredients within each area of Design & Technology.

How parents can support learning: In Food Technology parents can support pupils learning by encouraging pupils to participate in preparing family meals. Parents should encourage pupils to partake in the family food shopping experience. In Graphic Design and Resistant Materials parents can support learning by discussing architecture and structures around Abu Dhabi with pupils, and encouraging them to practice drawing in isometric and perspective. In CAD/CAM parents can support students by encouraging them to download and practice 3D design in Google Sketch Up.

Learning resources: Pupils will be given all the worksheets and handouts needed to complete these modules. If a student needs extra assistance with homework for any area of Design & Technology a useful website is www.technologystudent.com. Pupils will be expected to buy their own food ingredients (List will be provided by class teacher) as the experience for shopping for themselves is considered a life skill.