

Design and Technology

Head of Department

Mrs K Coles



Outline of Subject

Design and Technology is concerned with the designing and making of quality products in a variety of materials. Students will experience work in a number of material areas and will learn skills and gain knowledge that will enable them to solve the problems set. We allow students the opportunity to experience the whole cycle of design from the identification of need through design and manufacture, leading to testing and evaluation.

Learning Content

Topic Title

Year	Students will work on a rotation system and will experience each subject area throughout the year.					
7	Food & Nutrition	Paper & Boards	Textiles	Resistant Materials	Systems	
8	Food & Nutrition	Paper & Boards	Textiles	Resistant Materials	Systems	
9	Food & Nutrition	Paper & Boards	Resistant Materials	Systems	Product Design	Textiles

Skill Development

Lessons in all of the subject areas are a combination of practical and theoretical activities. We use our time to identify problems, to analyse and investigate the set task, to produce ideas and select a solution to the problem. Products are then manufactured using both hand and machine tools, to produce a quality outcome. The products are then tested and evaluated against the original need. Home learning is used to prepare students for the next part of the project either by checking of knowledge or might consist of a research activity, planning or evaluation.

Assessment Styles

Each project is assessed as it progresses and finally at completion of the product the whole module is given a grade. It may be that a student is more proficient in one area of the subject and this is recognised when we look at the overall progress a student has made.

Additional Information

A major part of Design and Technology is in the use of ICT and students are encouraged to use the facilities as often as they can. Many of the programs we use are available through Thornden Cloud. Students will be asked to bring in ingredients for food practical lessons and may be asked for a contribution for other practical work taken home, to cover some of the cost of materials and components.