

Curriculum Overview 2019-2020

Design and Technology

Intent:

Students will study Design and Technology at Key Stage Three on a carousel with Food and Nutrition. Our aim is to foster a love of designing and creating from a range of materials in order to develop students into confident and creative designers.

Implementation at Key Stage 3:

In Key Stage 3, students follow a wide curriculum. They will cover a range of topics from the three areas of Design and Technology including Graphics, Textiles and Product Design.

Students will complete practical work/learning throughout each area.

Students will also complete a written assessment at the end of each carousel period in Design and Technology.

Implementation at Key Stage 4:

We use the AQA exam board for GCSE Design and Technology.

Our Design and Technology GCSE qualification enables students to participate successfully in an increasingly technological world. They will learn from the wider influences on the subject including historical, social, cultural, environmental and economic factors.

Our courses cover core technical and designing and making principles, including a broad range of design processes, materials, techniques and equipment. Students will also have the opportunity to study specialist technical principles in greater depth through a chosen material area.

Overview of Key Stage 4 Food Preparation and Nutrition:

GCSE Design and Technology is studied over two years in Year 10 and Year 11. Students will study the following topics throughout Year 10 and 11.

- Core technical principles
- Specialist technical principles
- Designing and making principles

Assessments:

	<u>Paper One</u>	<u>Non- Exam Assessment</u>
<u>What Is Assessed?</u>	<ul style="list-style-type: none"> • Core technical principles (20 marks) • Specialist technical principles (30 marks) • Designing and making principles (50 Marks) 	Practical application of: <ul style="list-style-type: none"> • Core technical principles • Specialist technical principles • Designing and making principles
<u>How It's Assessed?</u>	<ul style="list-style-type: none"> • Written exam • 2 hours • 100 marks • 50% of GCSE 	Substantial design and make task. Assessment criteria: <ul style="list-style-type: none"> • Identifying and investigating design possibilities • Producing a design brief and specification • Generating design ideas • Developing design ideas • Realising design ideas • Analysing & evaluating • In the spirit of the iterative design process, the above should be awarded holistically where they take place and not in a linear manner • Contextual challenges to be released annually by AQA on 1 June in the year prior to the submission of the NEA Students will produce a prototype and a portfolio of evidence • Work will be marked by teachers and moderated by AQA