

Yr7	<p>Topics: In year 7 pupils will cover a range of topics that cover Electronics, CAD/CAM, Resistant materials, Graphics and Food technology. Within each focus area pupils will be given a brief that will explore designers, manufacturing processes and their design skills.</p> <p><u>Projects include:</u></p> <p>Electronics- Moisture sensor</p> <p>Graphics – Bubble packaging</p> <p>Resistant materials – Pencil holder</p> <p>Food Technology – Healthy eating and essential cooking skills.</p> <p>CAD/CAM - Bookmark and design project.</p>	<p>Learning Outcomes:</p> <ul style="list-style-type: none"> - To be able to name a range of equipment used within design and technology as well as explain what it is used for. - To gain confidence in using the tools and equipment safely and independently. - To understand the design process. - To create a range of products that focus around different areas of technology.
Yr8	<p>Topics: In year 8 pupils will cover a range of topics that cover Electronics/ Resistant materials, CAD/CAM, Graphics, textiles and Food technology. Within each focus area pupils will be given a brief that will encourage pupils to develop on their prior skills from year 7. The projects have been developed to engage the students.</p> <p><u>Projects include:</u></p> <p>Textiles- Sock puppets</p> <p>Graphics – Pop up book linking mechanisms.</p> <p>Resistant materials/ Electronics – Amplifier Project</p> <p>Food Technology – Around the world.</p> <p>CAD/CAM - Clock and design project.</p>	<p>Learning Outcomes:</p> <ul style="list-style-type: none"> - To be able to select the correct tools and processes to complete practical tasks. - To create a range of high quality work that involves the use of equipment and tools accurately and safely. - To be able to draw upon prior experience to allow successful in practical and written aspects. - To be able to discuss a range of designers that has influenced design.
Yr9	<p>Topics: Year 9 is led as a ‘mini’ GCSE project in which pupils will focus on an area of their choice based on the brief that have been given. Throughout the year knowledge and skill is developed and demonstrated through tasks that will follow the design process. This encourages pupils to be creative and innovative with their design work as well as independent in their choices.</p> <p><u>Projects include:</u></p>	<p>Learning Outcomes:</p> <ul style="list-style-type: none"> - To encourage pupils to learn independently. - To allow pupils creatively with their learning and designing. - To allow students to make decisions and choices on process and materials.

	<p>Resistant materials – Storage</p> <p>Graphical Products – Magazine and point of sale display.</p> <p>Food Technology – Introduction into catering.</p>	
Yr10	<p>Topics: We currently follow the WJEC exam board for all of our subjects Resistant materials, Graphical products and Catering. Throughout this year pupils will complete a series of mini projects that will develop pupils with the knowledge and understanding needed to assist in their controlled assessment as well as their exam sat in year 11.</p> <p>With GCSE catering they will learn and develop their basic culinary skills and subject knowledge. They will also be preparing for the first task 1 which is all based around food for tea rooms. Pupils will be given opportunities to experiment and test potential dishes.</p>	<p>Learning Outcomes:</p> <ul style="list-style-type: none"> - To explore wood, metals and plastics, their uses and their application. - To identify and explain the use of a variety of tools, equipment and machinery. - To develop exam practice technique.
Yr11	<p>Topics: We currently follow the WJEC exam board for both Resistant materials and Graphical products. The year will focus around the pupils completing a 15 page controlled assessment booklet that enables the pupils to explore their given brief and show case their designing and thoughts around materials and construction choices. The end of the year is finalised with an exam which will be worth 40% of their final grade.</p> <p>With GCSE catering pupils will continue to develop and learn the subject knowledge as well as prepare for both task 2 and their final written exam. Pupils will be expected to thoroughly research specialised food to bring in culture and creativity.</p> <p>Throughout all the GCSEs the current weighting is 60% coursework and practical and 40% exam.</p>	<p>Learning Outcomes:</p> <ul style="list-style-type: none"> - To design and a product based on the chosen design Brief. - To be able to independently explore and research, impacting on their final piece.
Yr12	<p>Topics: We currently follow Edexcel exam board for Product design. Throughout year 12 pupils will complete a coursework portfolio that will focus on three areas. Investigation, design and manufacture, these areas will encourage the students to be creative showcase their skills and demonstrate their understanding of resistant materials or graphical products. Pupils will also sit an exam at the end of the year that focuses around</p>	<p>Learning Outcomes:</p> <ul style="list-style-type: none"> - To create 3 portfolios that support investigation, design and manufacture. - To expand on their knowledge from GCSE and apply to exam content.

Yr13	Topics: Throughout year 13 pupils will complete a coursework portfolio that will consist of the exploration, designing and manufacture of their chosen brief. Pupils will also sit an exam at the end of the year that focuses around	Learning Outcomes: <ul data-bbox="845 156 1484 313" style="list-style-type: none">- To create 1 portfolio that support their own chosen design brief.- To expand on their knowledge from AS level and apply to exam content.
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