



The De Montfort School

UNLOCKING YOUR CHILD'S POTENTIAL

Programme of Learning

Design & Technology with Graphics

Key Stage 3 – Year 9

Subject	Error! Bookmark not defined.
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Year 9 Half Term 6	3

Design & Technology

Course Content	Assessment	Independent Study
<i>Year 9 Half Term 1</i>		
3D and Isometric drawing. The pupils will learn a variety of technical drawing skills. This will start off with simple shapes and then be developed into objects and designs. The pupils will learn how to present their work professionally and use rendering when applying colour.	Students will be internally assessed and given a level based on their ability to: <ul style="list-style-type: none"> - Draw accurately - Draw straight lines - Use rendering when applying colour. - Set out their work neatly - Apply detailed notes to their work. 	Students will be expected to: Draw a variety of shapes and objects in 3D and at different angles.
<i>Year 9 Half Term 2</i>		
Grand designs - Planning The students will develop their use of technical drawings in order to create a grand design building. The designs will be hand drawn then developed using C.A.D software such as google sketch up, 2D designs and illustrator.	Students will be internally assessed and given a level based on their ability to: <ul style="list-style-type: none"> - Develop a 3D design. - Research a variety of designers. - Use C.AD effectively. - Accuracy when drawing ground floor plans. 	Students will be expected to: <ul style="list-style-type: none"> • Create and develop ideas for both the interior and exterior of their design. • Use C.A.D effectively to develop initial ideas.
<i>Year 9 Half Term 3</i>		
Grand designs – Making and decorating. The pupils will be provided with an opportunity to build a scaled model of their design using a variety of materials. They will use a variety of tools in the workshop to help them achieve this.	Students will be internally assessed and given a level based on their ability to: <ul style="list-style-type: none"> - Develop and model ideas. - Use a variety of tools and materials. - Quality of finish - Evaluate the outcome. 	Students will be expected to: <ul style="list-style-type: none"> • Create a design based on a theme and colour scheme. • Ensure model is sturdy and made to scale. • Decorated and presented in a professional way.

<i>Year 9 Half Term 4</i>		
<p>Games Controller: Students analyse existing games controllers looking at ergonomics and aesthetics. They then generate a range of creative designs for a new controller before modelling a chosen design.</p>	<p>Students will be internally assessed and given a level based on their ability to:</p> <ul style="list-style-type: none"> - Explore a task. - Generate ideas. 	<p>Students will be expected to:</p> <ul style="list-style-type: none"> • Evaluate existing products. • Practice sketching techniques. • Carry out independent research.
<i>Year 9 Half Term 5</i>		
<p>Develop and make creative packaging for a food company. The students will look at a variety of existing packaging and evaluate their effectiveness. They will begin to re brand an existing logo and improve the packaging for a fast food company.</p>	<p>Students will be internally assessed and given a level based on their ability to:</p> <ul style="list-style-type: none"> - Evaluate in detail - Use CAD to develop their logo ideas. - Draw 3D nets accurately - Create packing using suitable materials. 	<p>Students will be expected to:</p> <ul style="list-style-type: none"> • Analyse and improve existing products. • Create a variety of prototypes. • Use software to develop their design.
<i>Year 9 Half Term 6</i>		
<p>Pop up card design Students will learn about graphic materials and pop up systems by designing and making a pop-up card. They will then learn about designing for a market by re-branding Evesham. Lastly they will learn about graphic manufacturing techniques by designing a new computer mouse with professional packaging.</p>	<p>Students will be internally assessed, given a grade and constructive feedback using criteria similar to the OCR GCSE mark scheme.</p>	<p>Students will be expected to:</p> <ul style="list-style-type: none"> • Carry out further reading and homework tasks on materials and processing theory.