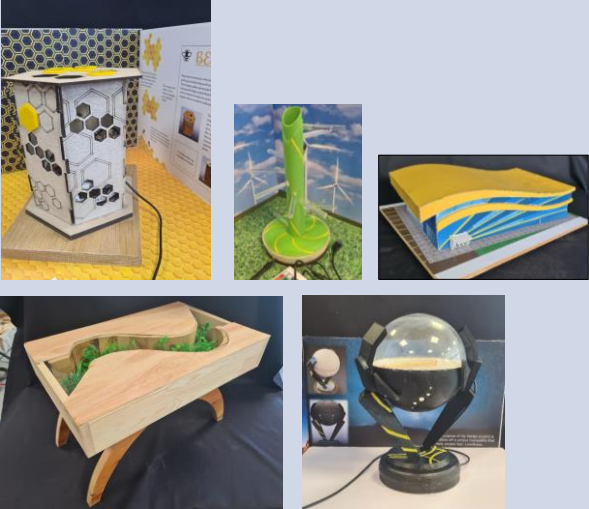
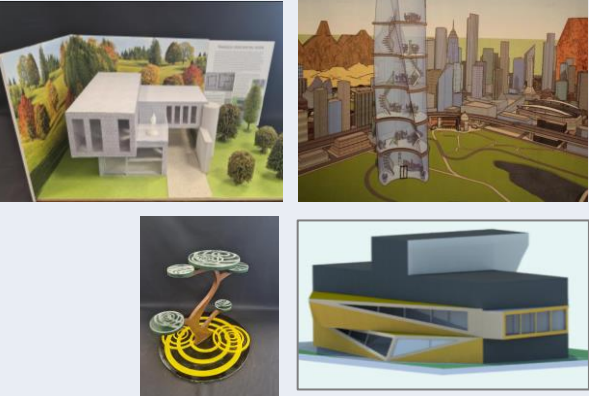




Key Stage 5 3D Design- Product Design & Architecture (A 'Level Art and Design- Three Dimensional Design)	Curriculum aims	Curriculum content	Curriculum Delivery
<p>Year 12</p> 	<p>This route of 3D Design offers you the opportunity to explore a wide variety of materials, focusing specifically on the Product Design and Architecture routes into the design industry.</p> <p>In Year 1, you will focus on your own personal skill development, exploring a wide range of designing and modelling processes and skills. You will learn to work with materials including plastic, wood and unconventional production materials. You will learn the contextual, historical and contemporary influences of this exciting and valuable industry.</p> <p>Areas of focus during Y12 could be;</p> <ul style="list-style-type: none"> • Product, furniture and architectural design. • Designing products that relate to key designers and architects. • Product modelling in 2D and 3D CAD and modelling materials • Focused practical tasks exploring the working and aesthetic properties of woods, metals and plastics 	<p>Eduqas A-Level Specification:</p> <p>Students develop their skills through a foundation period of mini projects that allow students to gain confidence, risk take and broaden their knowledge and understanding of designers. Students will create design folders or sketchbooks of work as well as final outcomes.</p> <p>At the end of the first term students will focus on a designer, skill or style of work to form the basis of their extended essay. This extended word assignment will be presented visually and will be accompanied by a final 2D/3D outcome completed under controlled assessment.</p> <p>The student's Personal Investigation; a personal journey chosen by the student on a area /topic/skill or technique they have an interest in. This piece of work will continue into year 13 and will be the assessed element of the course worth 60%.</p>	<p>There will be eight taught hours per fortnight in the department from different Design and Technology specialist teachers allowing a range of activities and expertise to be learnt and applied.</p> <p>Lessons will be based on creativity, sustained investigation and analysis, experimentation and making as a means of developing technical and expressive skills.</p> <p>There will be opportunities for students to make progress during their independent study periods as well as session 6 after school.</p>
<p>Year 13</p> 	<p>In Year 13, your focus turns to your own specific area of interest where you create and build your own design solution. This could be anything from lighting, furniture, product or the development of an iconic building.</p> <p>The course offers access to a workshop where you will have the opportunity to use CAD/CAM technology, 3D printers, laser cutter as well as traditional production tools and processes.</p>	<p>Personal Investigation (60%)</p> <p>Students work on their personal investigation until February of year 13. The aim is to create a body of work which shows a journey through the investigation which covers all assessment objectives equally, all work is facilitated by the teachers.</p> <p>The Externally Set Assignment (40%)</p> <p>The exam paper is released on February 1st and students choose from 15 titles. They will create a sketch book/ design folder of their preparatory work. They will then sit a 15 hour practical exam where they will create a final outcome under examination conditions.</p>	<p>For A Level 3D Design it is recommended that students own at least the basic design equipment including sketchbooks in order to produce their own work outside of lessons.</p> <p>In order to fulfil the critical studies aspect of the course students will be required to experience and respond to Art and design that they have seen first hand and are encouraged to visit galleries and exhibitions independently whenever the opportunity arises. Institutions like the Design Museum and Crafts Council exhibitions as well as university degree shows will be invaluable in showcasing the opportunities available in this exciting field of study</p>