

Design and Technology

Curriculum Intent	<p>Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage independently designing and making.</p> <p>Pupils will:</p> <p>Design - using research and exploration to identify and solve their own design problems, inspiring pupils to think creatively to generate original ideas, develop them and finalise them, communicate their ideas clearly and also work in partnership with others.</p> <p>Make - be able to understand how to select tools and build the skills to work maturely and independently.</p> <p>Evaluate - test, evaluate and refine their ideas and products against a specification, taking into account the views of intended users and other interested groups and have the written skills to do this.</p> <p>Students will build their skills in the workshop and ability to select and properly use an expanding range of tools as they progress through the years and gain independence. Students will expand their knowledge of the design world and the design process as they use their knowledge to generate ideas and evaluate them while building core skills that will be of value in the future.</p>			
Year 7	Year 8	Year 9	Year 10	Year 11
T1&2: Cardboard T3&4: MDF T5&6 Packaging	T1&2: Plastics / Vacuum Forming T3&4: Wood T5&6 Smart Materials	T1&2: Joinery T3&4: Branding T5&6 Metals	T1: Architecture T2: Forces and Motion T3: Materials T4: Textiles T5: Electronics T6: Controlled Assessment	T1&2: Controlled Assessment - NEA T3,4&5: Revision of Previous Projects .