

## Curriculum Summary - Design and Technology (Year 11)

Autumn	Spring	Summer
<p>Students will be focusing on AO1 and AO2 of the GCSE NEA. Students will be designing using a range of techniques including technical drawing, visual communication, CAD and scale models. Students will be learning how to be a self-manager, the importance of deadlines and organisational skills. This will also support pupils on Section C; Design and Making Principles of GCSE Examinations.</p>	<p><b>Spring Term 1</b> Students will be focusing on AO2 of the GCSE NEA. Students will be producing final design solutions and manufacturing products. Pupils will be using CAD to produce final designs and plan for manufacture. Students will then move onto manufacturing their final piece using a mixture of manufacturing process by hand and CAM. This will also support students in Section B; Specialist Technical Principles and Section C; Design and Making Principles of GCSE examinations.</p> <p><b>Spring Term 2</b> Students will be finalising the manufacturing stage (AO2) of the GCSE NEA. Students will then move onto A03 where they will test and evaluate the final design solution. Students will critically analyse the final design solution and product in a comprehensive evaluation. Pupils will submit GCSE NEA portfolios before the Easter Break.</p>	<p>Students will be developing their subject knowledge in classrooms in preparation for the GCSE Exam. Students will learn the key elements of Sections A, B and C to prepare them for the exam. Students will learn the importance of revision and will be taught specific revision techniques to encourage independent learning and accountability. Students will practice exam technique and the application of subject knowledge in a GCSE Examination.</p>