

## Y11 Design & Technology Curriculum Summary

Cycle 1	Cycle 2	Cycle 3
Assessment and Exams		
<u>Major Project – Storing and Securing Personal Items</u> <ul style="list-style-type: none"> <li>Task Analysis</li> <li>Client investigation or profile</li> <li>Design Brief</li> <li>Levers research - detailed practical investigation into the function of levers. Photographic evidence with comprehensive annotation.</li> <li>Specification</li> <li>Ideas Sheet 1</li> <li>Experimental Modelling, with quick models used to explore potential ideas in 3D</li> <li>Ideas Sheet 2, selection and Justification of final product. All work going forward centred on one idea.</li> <li>Development 1 - Sketching exploring function, can include modelling of mechanisms or electronic elements.</li> <li>Development 2 - Sketching to explore the form and aesthetics of the product.</li> <li>Development 3 - Function and form combine on this sheet. Begin to show how the final, working prototype will look. Could include investigation into laser-cutting and vacuum forming.</li> </ul>	<u>Major Project – Storing and Securing Personal Items</u> <ul style="list-style-type: none"> <li>Development Model 1, photographed and annotated, with improvements noted. Compared to specification.</li> <li>Development Model 2. Improvements applied. Photographed and annotated.</li> <li>Orthographic Drawing - formal scale drawing showing layout and dimensions of final prototype.</li> <li>3D Exploded Drawing and Parts List. CAD can be used here.</li> <li>Presentation images, showing all elements of the prototype from different angles. Detailed photographs essential. Clarifying annotation used where appropriate.</li> <li>Detailed evaluation by students, with testing against the specification. Photographic evidence essential.</li> <li>Final Evaluation, including client feedback following testing against the specification. Modifications and improvements noted / sketched.</li> <li>Practical Outcome</li> </ul>	<u>Final Exam Preparation.</u> <ul style="list-style-type: none"> <li>Revision Package</li> <li>Final Written Exam - AM 18/06/2024</li> </ul>