

Independent Scholarship Award: A Level Product Design

Bronze (Must Be Completed)	Silver	Gold
<p>Complete to a high standard the Year 12 induction task- Design communication</p> <p>Design model and prototype a promotional USB memory stick for a formula 1 team of your choice.</p> <p>This exercise is about mastery of skills, you should practice the techniques and only submit your best work.</p> <p>Include</p> <ul style="list-style-type: none"> <li>• 2D Elevations</li> <li>• Isometric sketching</li> <li>• Perspective sketching</li> <li>• Annotation discussing materials and features</li> <li>• A range of rendering techniques</li> </ul> <p>Practice and develop mastery of 3D CAD software (Fusion 360)</p> <p>Include</p> <p>Renderings</p> <p>3<sup>rd</sup> angle orthographic drawings</p>	<p>Develop a Design skills portfolio To include</p> <ul style="list-style-type: none"> <li>• <b>Evidence of regular sketching practice</b> (develop a sketch book and fill it with practice of 2D and 3D sketching and rendering techniques)</li> </ul> <p>Aim for at least <b>one sketch a day</b> (some short 20 min sketch sessions some longer more finished sketches that develop rendering skills)</p> <ul style="list-style-type: none"> <li>• Practice CAD work (use of extrude, revolve. Pattern, fillets, chamfers, assemblies and renders) <b>Evidence required</b> a series of screen shots of completed modelling practice.</li> </ul>	<p>Develop your knowledge of Design history</p> <p>Present a comprehensive case study of an influential designer of your choice.</p> <p>Include a biography and analysis of their influence.</p> <p>Show a timeline that gives context to their work. (social/economic/cultural/historical)</p> <p>Use your graphics skills to present this information – <b>NO essays.</b></p>