

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 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 skills portfolio</p> <p>To include</p> <ul style="list-style-type: none"> <li>• Evidence of regular sketching practice (sketch a day)</li> <li>• Practice CAD work (use of extrude, revolve. Pattern, fillets, chamfers, assemblies)</li> </ul> <p>Watch “Strange Materials with Mark Miodownik” on youtube</p> <ul style="list-style-type: none"> <li>• Present an investigation into the innovative use of a new/smart/modern/composite material</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 – NO essays.</p>