

Year 9 Project Mastery Criteria	Practical Skills	Knowledge & Theory
Ambitious	- I can choose and use a wide variety of relevant tools, including CAD and CAM, accurately, demonstrating independence and confidence when manufacturing my product. - I can check my work as it progress and correct any errors. - I can thoroughly consider presentation when applying a finish to my work, resulting in a high-quality, sophisticated outcome.	- I can analyse the task and specification fully, to inform my design proposals. - I can use a range of strategies to develop appropriate ideas, responding to information I have gathered. - I can clearly identify a broad range of success criteria when producing my design specification. - I can produce original and sophisticated design ideas that draw on inspiration from existing products/designs. - I can clearly relate my evaluation to my design specification, making justified conclusions.
Mastered	- I can choose and use a variety of tools and equipment, including CAD and CAM with some precision and independence, and explain my choices. - I can demonstrate that I can work independently most of the time. - I can apply a finish to my product with careful consideration about the final presentation.	- I can use a range of appropriate sources of information to develop my ideas. - I can research possible forms, functions and production techniques for my design. - I can consider the needs of users/target market in my specification. - I can work out ways to test my product fully and evaluate against the specification.
Developing	- I can select what tools are needed to manufacture the product and explain my choice. - I can use tools as instructed with some support from my teacher. - I can apply a finish to my product with some consideration about the final presentation.	- I can use a range of information sources and demonstrate an understanding of existing products/designs. - I can produce a clear design specification. - I can produce a range of limited design ideas that show consideration to my design specification. - I can evaluate my final product to each specification point.
Emerging	- I can manufacture the product using relevant tools and equipment as directed whilst being supported by the teacher. - I can apply a finish to my product with limited consideration about the final presentation.	- I can gather and use research from various sources. - I can use things I know about existing designs/products when developing my designs. - I can show that I understand what my product should achieve in my design specification. - I can evaluate my work, comparing it to my specification.