**D&T PRODUCT DESIGN –** Year 7 Progression Pathway

Name

Date

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Strand | Working towards | 1-3 | 4-5 | 6-9 |
| **Investigation, Analysis & Evaluating**  | Limited ResearchSimple analysis of others designers and your own designs | Basic investigation of **the target market or end user** or Analysis **of the work of others** to inform ideas.Limited research into a range of design movements.An **investigation** into materials **Simplistic Product analysis of existing products** **Simplistic** **PEEL investigation** of relevant design movements | Some depth to your investigation of **the target market / end user** or Analysis **of the work of others** to inform ideas.Reflective research into a range of design movements.Some **investigation** into materials & sustainability with justification for design decisions. **A good product analysis of existing products** that goes beyond simple statements about good and bad points**Good PEEL investigation** of relevant design movements | Detailed investigation of the **target market/ end user** **or** Analysisof **existing products**  to inform ideas.A good understanding of the **impact on society** that designers have **or** Insightful and reflective research into a range of modern/smart materials.**Investigation** into materials **or** sustainability with justification for design decisions. **Detailed product analysis of existing Eco products** that goes beyond simple statements about good and bad points**Thorough PEEL investigation** of relevant design movements |
| **Designing**  | Design ideas are basic and have been developed with no reference to use, appearance and creativity. | **Design ideas** have been developed with some reference to research **Isometric sketching** shows some understanding of the techniques**Shading** demonstrates some skill in cross hatching **Development work** is evident in Surface designs for box lid   | **Creative & imaginative** design ideas have been developed with clear reference to research into movements. **Sketching** shows a good understanding of the techniquesShading demonstrates some skill in cross hatching and **rendering techniques****Good experimentation** and development work is evident in Surface designs for box lid and the CAD/CAM.  | Creative, imaginative and **innovative ideas** have been developedSurface details demonstrates confidence in geometric designs that **link research with iterative developments** **CAD** shows a demonstrates a full understanding of the techniques learned**Extensive experimentation** and development work is evident in development of initial designs and the CAD/CAM.  |
| **Making**  | Prototype(s) shows limited level of making/finishing skills Tools, materials and equipment have been used but needed close supervision  | Basic level of making/finishing skills**Inaccurate and/or partially complete.** Tools, materials and equipment **requiring supervision.** **Basic** evidence of the stages of making. | Products shows good level of **making skills** that are appropriate **Tools, materials and equipment** have generally been operated correctly and safely. Product shows some evidence of **quality of manufacture**.  | High level of making/finishing skills Electronic components have been assembled to a high level of accuracyWorking **independently** at an exceptionally high level, both skilfully and safely. The final Prototype demonstrates excellent making skill and have the **potential to be commercially viable** |