VCE Product Design and Technologies

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| **VCE PRODUCT DESIGN AND TECHNOLOGIES**  **SCHOOL-ASSESSED COURSEWORK** | | | | | |
| **Performance descriptors** | | | | | |
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| **Unit 4**  **Outcome 2**  ***Synthesise data to evaluate a range of products, including making judgments about the success of each product, and discuss product designs in regard to entrepreneurial activity, innovation and sustainability and/or other ethical considerations.*** | **DESCRIPTOR: typical performance in each range** | | | | |
| **Very Low** | **Low** | **Medium** | **High** | **Very high** |
| Identifies research and development regarding entrepreneurial activity and innovation | Identifies importance of research and development regarding entrepreneurial activity and innovation | Outlines importance of research and development regarding entrepreneurial activity and innovation | Describes importance of research and development regarding entrepreneurial activity and innovation | Discusses importance of research and development regarding entrepreneurial activity and innovation |
| Identifies product development process and/or identifies products that integrate new and emerging technologies | Identifies the product development process in industry through the identification of products that integrate new and emerging technologies | Describes the product development process in industry through the description of products that integrate new and emerging technologies | Describes the product development process in industry through the explanation of products that integrate new and emerging technologies | Describes the product development process in industry through the analysis of products that integrate new and emerging technologies |
| Uses speculative thinking to identify innovation and/or entrepreneurial activities | Uses speculative thinking to identify strategies that encourage innovation and entrepreneurial activities | Uses speculative thinking to discuss and describe strategies that encourage innovation and entrepreneurial activities | Uses speculative thinking to discuss and explain strategies that encourage innovation and entrepreneurial activities | Uses speculative thinking to discuss and analyse strategies that encourage innovation and entrepreneurial activities |
| Identifies sustainability and/or worldview considerations for products that use new and emerging technologies | Outlines sustainability and/or worldview considerations for products that use new and emerging technologies | Describes sustainability and/or worldview considerations for products that use new and emerging technologies | Explains sustainability and/or worldview considerations for products that use new and emerging technologies | Discusses sustainability and/or worldview considerations for products that use new and emerging technologies |

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|  | Uses qualitative research to collect data on a range of products, applying ethical considerations and using digital technologies where appropriate to collate and outline data to evaluate success of range of products | Uses qualitative research to collect data on a range of products, applying ethical considerations and using digital technologies where appropriate to collate and describe data to evaluate success of range of products | Constructs qualitative research to collect data on a range of products, applying ethical considerations and using digital technologies where appropriate to collate, interpret and describe data to evaluate success of range of products | Constructs qualitative research to collect data on a range of products, applying ethical considerations and using digital technologies where appropriate to collate, interpret and explain data to evaluate success of range of products | Construct qualitative and quantitative research to collect data on a range of products, applying ethical considerations and using digital technologies where appropriate to collate, interpret and synthesise data to evaluate success of range of products |
| Uses quantitative research to collect data on a range of products, applying ethical considerations and using digital technologies where appropriate to collate and outline data to evaluate success of range of products | Uses quantitative research to collect data on a range of products, applying ethical considerations and using digital technologies where appropriate to collate and describe data to evaluate success of range of products | Constructs quantitative research to collect data on a range of products, applying ethical considerations and using digital technologies where appropriate to collate, interpret and describe data to evaluate success of range of products | Constructs quantitative research to collect data on a range of products, applying ethical considerations and using digital technologies where appropriate to collate, interpret and explain data to evaluate success of range of products |
| Uses data to outline enhancements and/or improvements to a range of products | Uses data to describe enhancements and/or improvements to a range of products | Uses data to explain enhancements and/or improvements to a range of products | Uses data to analyse enhancements and/or improvements to a range of products | Uses data to justify enhancements and/or improvements to a range of products |

KEY to marking scale based on the outcome contributing 50 marks

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| Very Low 1–10 | Low 11–20 | Medium 21–30 | High 31–40 | Very High 41–50 |