SCHOOL-DEVELOPED LEARNING AND ASSESSMENT PLAN

**Stage 1 Digital Technologies**

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| School |  | | Teacher(s) |  |
| Other schools using this plan | |  | | |

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| SACE  School Code | | |  | Year |  | Enrolment Code | | | | |  | Program Variant Code (A–W) |
| Stage | Subject Code | | | No. of Credits (10 or 20) |
|  |  |  |  | **1** | **D** | **G** | **T** | **10** |  |

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| Endorsed by principal or delegate (signature) |  | Date |  |

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| School use only   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Approved |  | Not approved |  |  | |  |  |  | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | |   Signature of principal or delegate Date |

**Addendum**

Please **only** use this section for any changes made after the learning and assessment plan has been approved.

**Changes made to the learning and assessment plan**

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| Describe any changes made to the learning and assessment plan to support students to be successful in meeting the requirements of the subject. In your description, please explain:   * what changes have been made to the plan * the rationale for making the changes * whether these changes have been made for all students, or individuals within the student group. |

**Endorsement of changes**

The changes made to the learning and assessment plan support student achievement of the performance standards and retain alignment with the subject outline.

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| --- | --- | --- | --- |
| Signature of principal or delegate |  | Date |  |

Stage 1 Digital Technologies

Assessment Overview

Complete the table below to show details of the planned tasks. Use numbers to show where students will have the opportunity to provide evidence for each of the specific features for all assessment design criteria.

| **Assessment Type and Weighting** | **Details of assessment** | **Assessment Design Criteria** | | | **Assessment conditions**  (e.g. task type, word length, time allocated, supervision) |
| --- | --- | --- | --- | --- | --- |
| **Computational Thinking** | **Development and Evaluation** | **Research and Ethics** |
| **Assessment Type 1: Project Skills**  **Weighting 60%** | **Data Collection**  Students will be provided with a provocation ‘large’ enough that they can redefine it through data analysis. The provocation will be in an area, or areas, for which public datasets are available. They will investigate the ways that public data can be used, and is used, by entrepreneurs and develop a digital annotated data collection tool to reveal the thinking and purpose for each data point, including ethical considerations involved in the decision making. Students will work collaboratively to produce a tool which provides data that can be analysed later in the course. | CT1 | DE3 | RE1 | 1 week of class time and homework.  Development portfolio detailing investigation and research on a relevant issue; data collection tool; and individual electronic record of evidence of contribution.  Multimodal presentation (maximum 5 minutes). |
| **Data Analysis**  Students will use digital tools to analyse datasets relevant to the issue they identified. They will access data sets and use them with consideration of the ethics involved in data analysis. Students will analyse the various relationships between datasets. The choice of datasets should be in line with their findings in Task 1 (Data Collection) and relevant to the issue. | CT1  CT3 |  | RE1 | 2 weeks of class time and homework.  Data analysis brief presented as a recorded webinar (maximum 5 minutes). |
| **Product Design Plan**  You are to develop a concept for a digital solution that will solve the issue that you have identified and refined in Task 1 (Data Collection) and Task 2 (Data Analysis). You will work collaboratively to produce and present your design concept for a digital solution. The product design must be complimented by a proposed development portfolio outlining your design process, and suggesting how the product design will serve as a solution. | CT1  CT2 | DE1  DE3 |  | 4 weeks of class time and homework.  Digital solution concept design plan.  Collaborative multimodal product pitch (6 – 10 minutes) as negotiated; and individual digital record of evidence. |
| **Assessment Type 2: Digital Solution**  **Weighting**  **40%** | Students develop a digital solution to solve an issue that they have defined in Task 1 (Data Collection) and Task 2 (Data Analysis), and planned in Task 3 (Product Design Plan). They will work within the constraints of a time limit to collaboratively produce, test and present their digital solution. The product design will be complimented with an individual solution effectiveness statement and a user impact evaluation. | CT1  CT2 | DE1  DE2  DE3 | RE1 | 10 weeks of class time and homework.  Digital solution; and individual digital evaluation (maximum 3 minutes if oral, 500 words if written, or equivalent if multimodal). |

***Four assessments.*** *Please refer to the Stage 1 Digital Technologies subject outline.*