Year 10 Digital Technologies: Introduction to Multimedia

Achievement Standard: By the end of Year 10, students explain the control and management of networked digital systems and the security implications of the interaction between hardware, software and users. They explain simple data compression, and why content data are separated from presentation.

Students plan and manage digital projects using an iterative approach. They define and decompose complex problems in terms of functional and non-functional requirements. Students design and evaluate user experiences and algorithms. They design and implement modular programs, including an object-oriented program, using algorithms and data structures involving modular functions that reflect the relationships of real-world data and data entities. They take account of privacy and security requirements when selecting and validating data. Students test and predict results and implement digital solutions. They evaluate information systems and their solutions in terms of risk, sustainability and potential for innovation and enterprise. They share and collaborate online, establishing protocols for the use, transmission and maintenance of data and projects.



Assessment Details:

Summative Task: Students will create a multimedia presentation for a client

Key Skill/s: Explain, Plan/Manage, Define, Create/Implement

Conditions: Project in class for 3 weeks.

Processes & Production Skills

I can evaluate digital solutions in terms of risk, sustainability and potential for innovation

- Define and decompose complex problems (using functional/non-functional

Learning Goals:		
Strands and Sub-Strands	Australian Curriculum Content Descriptors	Kirwan High Learning Goals
Knowledge & Understanding	Explain simple data compression	• Explain simple data expression.
Processes & Production Skills	 Select and validate data, taking account of privacy and security requirements. 	 understand the problem definition and analysis of a client's problem take into account the client's requirements for a multimedia presentation I can take into account client requirements to identify needs to create criteria.
	Define and decompose complex problems in terms of functional and non-functional requirements	 Design a multimedia presentation for a target audience. evaluate designs against the criteria of functionality, accessibility, usability, and aesthetics
	• Evaluate information systems and their solutions in terms of risk, sustainability and potential for innovation and enterprise	 Understand that a project has a plan and the plan needs to consider sustainability. understand that the project needs to be managed to improve sustainability Get feedback from client or member of target audience on the product Evaluate my product and the process and make future recommendations about enterprise i.e. the challenges, effort, intiative and risks.