Digital Technologies (DIG) – YEAR 10

Subject Outline:

This Information Technology course is for students to develop, not only their skills in the fast-paced ICT field, but also enhance their problem solving skills. This course enhances students' ICT knowledge and skills by responding to and providing solutions to everyday real problems utilising Information Communication Technologies' design cycle to produce the solution.

Course Content:

Students will complete a variety of projects and design challenges throughout this course. Topics covered/challenges include:

Semester 1	Semester 2

• Dealing with a Product Launch
  – Product design and development
• Using Tech in the Workforce
  – AI design and development
	• ICT: Today and Tomorrow
	  – The right and wrong of ICT development
	• Internet World
	  – Web presence, design and development

Assessment Outline:

Students will follow the Technology KLA; using the design, develop and evaluate cycle. Assessment will be 'student centred' problem solving or assignments where a product will need to be developed. Some assessment will be practical tasks.

Learning Pathways:

Year 11/12 Subject	General/Applied/Other	Potential QCE Points	Recommended
ICT (Information Communication Technologies)	**Applied**	4	**C** in Year 10 English & Mathematics
DIS (Digital Solutions)	**General**	4	**C** in Year 10 English & Mathematics

Career Pathways:

- ➢ Chief Information Officer
- ➢ ICT Manager
- ➢ System Analyst
- ➢ Hardware Engineer
- ➢ Security Specialist
- ➢ Project Manager
- ➢ Game Designer/Developer
- ➢ Information Systems Administrator
- ➢ System Administrator
- ➢ Technical Writer/Architect

Specific Requirements: Nil

Approximate Cost: Nil