COURSE INFORMATION

Subject: DIGITAL TECHNOLOGY

Head of Subject: MR BRIAN BLACKIE

	Year 11	Year 12	Year 13
Course Content	The aim of this course is to build a student's capability to apply technological ideas within a digital environment. Students will be introduced to a range of skills using a range of Digital Technologies. During the course, students will be exposed to data analytics, programming, web design and elements of computer science. Students are educated via project-based learning. They will be required to build a computer program the solves a specified problem. They will also design and build a website.	The aim of this course is to enable students to gain technology skills to compete successfully in the global marketplace, participate fully in the world in which they live and to apply technological practice in a digital context. This course requires students to plan, develop, test, and evaluate their own 'fit for purpose' digital outcomes. Students will have the opportunity to learn advanced skills in application design and implementation, database administration, and web design using industry standard software. Students will decide on a web application they want to create and will be assessed accordingly on the outcome that they produce. They will develop self-discipline and organisational skills.	The aim of this course is to enable students to gain technological skills to compete successfully in the global marketplace. To succeed in this course, students will need good self-management and organisational skills. Technology education is a planned process designed to develop competence and confidence in understanding and using existing technologies and in creating solutions to technological problems. Students will have the opportunity to learn complex skills in application design and implementation, database administration and web design.
Prerequisites	None	A successful year in Level 1 Digital Technology, otherwise at the HOD's discretion.	A successful year in Level 2 Digital Technology, otherwise at the HOD's discretion.
Assessment	**Internal (10 credits)** **92004** Create a computer program (5) **92005** Develop a digital technologies outcome (5) **External (5 credits)** **92006** Demonstrate understanding of usability in human computer interfaces (5)	**Internal (14 credits)** **91892** Use advanced techniques to develop a database (4) **91893** Use advanced techniques to develop a digital media outcome (4) **91896** Use advanced programming techniques to develop a computer program (6) **External (3 credits)** **91899** Present a summary of developing a digital outcome (3)	**Internal (14 credits)** **91902** Use complex techniques to develop a database (4) **91903** Use complex techniques to develop a digital media outcome (4) **91906** Use complex programming techniques to develop a computer program (6) **External (3 credits)** **91909** Present a reflective analysis of developing a digital outcome (3)