



Respect

Learning

Teamwork

Perseverance

1. Rationale:

The Digital Technologies curriculum enables students to become confident and creative developers of digital solutions through the application of information systems and specific ways of thinking about problem solving.

Students acquire a deep knowledge and understanding of digital systems, data and information and the processes associated with creating digital solutions so they can take up an active role in meeting current and future needs.

The curriculum has been designed to provide practical opportunities for students to explore the capacity of information systems to systematically and innovatively transform data into digital solutions through the application of computational, design and systems thinking.

The curriculum also encourages students to be discerning decision makers by considering different ways of managing the interactions between digital systems, people, data and processes (information systems) and weighing up the possible benefits and potential risks for society and the environment.

2. Aims:

The Digital Technologies curriculum aims to ensure that students can:

- design, create, manage and evaluate sustainable and innovative digital solutions to meet and redefine current and future needs
- use computational thinking and the key concepts of abstraction; data collection, representation and interpretation; specification, algorithms and development to create digital solutions
- apply systems thinking to monitor, analyse, predict and shape the interactions within and between information systems and the impact of these systems on individuals, societies, economies and environments
- confidently use digital systems to efficiently and effectively automate the transformation of data into information and to creatively communicate ideas in a range of settings
- apply protocols and legal practices that support safe, ethical and respectful communications and collaboration with known and unknown audiences

3. Implementation:

- Digital Technology is an essential component of the Victorian Curriculum
- The school will appoint a Digital Technology coordinator/s who will work with the ICT technician/s to coordinate the development and implementation of Digital Technologies across our school
- All teachers are required to work with their respective professional learning teams, to contribute to the development and implementation of a Digital Technology course based on the Victorian Curriculum and to implement the program
- Student progress in Digital Technology will be reported in half and end of year academic reports

- Budgets that provide for the needs of the Digital Technology program and professional development will be developed by the Digital Technology coordinator/s in consultation with the principal/sub committee

4. Evaluation:

- This policy will be reviewed as part of the school's five-year review cycle

5. Revision History:

Date	Description	Author
16/09/2019	Approved and Endorsed by School Council	Leadership SC