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## THE PATCH PRIMARY SCHOOL

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### DIGITAL TECHNOLOGIES

**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.

**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.

**Implementation:**

- Digital Technology is an essential component of the Technologies learning area of the Victorian Curriculum.
- All Foundation to Year 6 students at our school will study a sequential Digital Technology course based upon the Scope and Sequence and Achievement Standards contained within the Victorian Curriculum
- The school will appoint a Digital Technologies coordinator who will work with staff 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 viable and sequential Digital Technologies course for all students and to implement student needs based lessons using agreed planning templates, assessment tools and lesson structures.
- A student's individual abilities will be measured and reported against the expected Victorian Curriculum achievement standards, particularly at the commencement and completion of each unit of work, and learning opportunities must be provided that cater for the identified needs of each student.

- Student progress in Digital Technologies will be reported in half and end of year academic reports.
- Intervention programs will be provided for all students at all year levels identified as ‘at risk’
- Digital Technology study for each student will be 1 hour per week.
- The school will develop a yearly e-management plan using the eduSTAR console SIPS and resources.
- Substantial budgets that provide for the needs of the Digital Technologies program, including the provision of class sets of notebooks and ipads, and professional development will be developed by the Digital Technologies coordinator in consultation with all staff and resourced by school council.
- The school will ensure the Digital Technology Users Policy is followed, and will work with eSafety and Alannah and Madelene foundation to provide safe internet practice for all students.
- The school will explore the use of Google Apps for Education as a tool for implementing rich learning programs throughout the school.

**Evaluation:**

This policy was originally formed, and will be reviewed in consultation with all members of the wider community (all staff, parents, students, and interested members of the community) as part of the school’s five - year review cycle.

**References:**

<http://victoriancurriculum.vcaa.vic.edu.au/overview/about>

**Principal**



**School Council President**

