DIGITAL TECHNOLOGIES

Duration: Semester Unit

DESCRIPTION

Digital Technologies aims to equip students to become confident and creative developers of digital solutions through the application of information systems and specific ways of thinking to problem solving. This subject provides students the opportunity to develop and enhance their knowledge of digital systems, data and information, and the creating digital solutions. Students will do so through the use of computational, design and systems thinking as well as traditional classroom learning.

Completing this unit will encourage students to be discerning decision makers by considering different ways of managing the interactions between digital systems, people, data and processes. Students will be able to weigh up the possible benefits and potential risks for society and the environment so they can take up an active role in meeting current and future needs.

VICTORIAN CURRICULUM FOCUS

Digital Systems

- The use of hardware and software in the movement of and access to data in networked digital systems

Data and Information

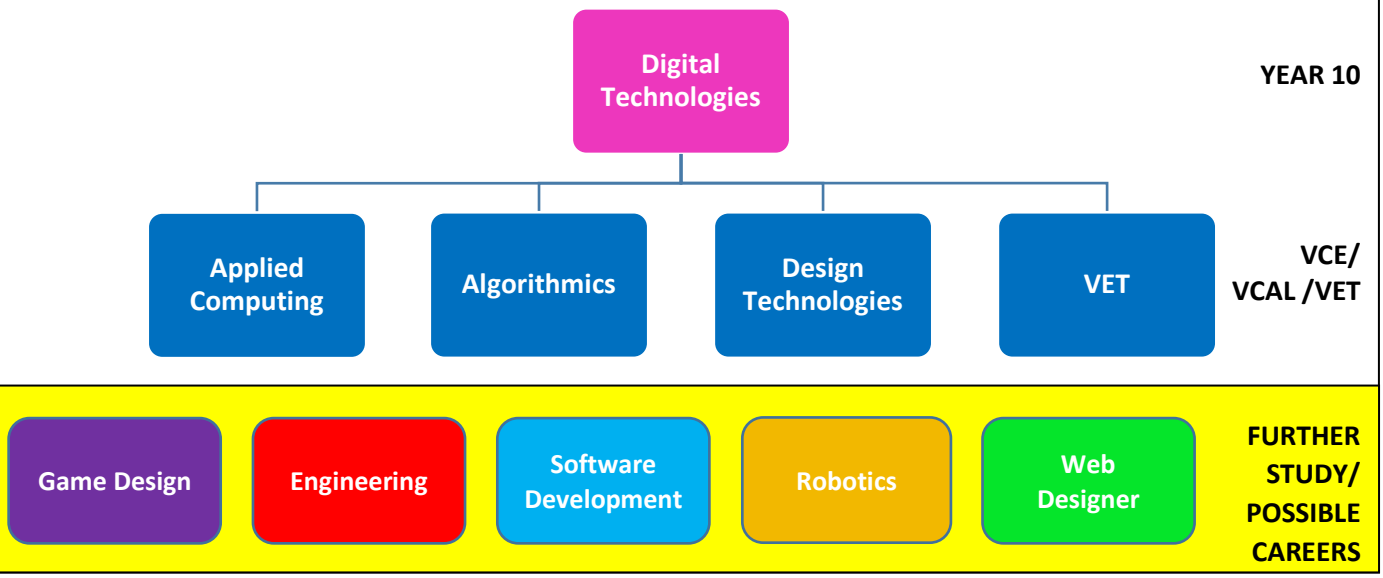
- Solutions for sharing ideas and information online

Creating Digital Solutions

- Design algorithms and modular programs

SUBJECT REQUIREMENTS

- IPAD/laptop
- Some programming knowledge
- Industry based excursions (cost involved)

POTENTIAL PATHWAYS

(Subject to course availability)