

## ICT

Technologies have an impact on people and societies by transforming, restoring and sustaining the work in which we live.



## Our Mission

To develop inspired, innovative and resilient learners prepared to challenge the future.

## ICT

Senior program 11- 12



## Digital Solutions (General subject)

**Pre-requisite subjects:** English min B, Yr 10 ICT preferable

**Co-requisite subjects:** Mathematical Methods recommended.

In Digital Solutions, students learn about algorithms, computer languages and user interfaces through generating digital solutions to problems. They engage with data, information and applications to create digital solutions that filter and present data in timely and efficient ways while understanding the need to encrypt and protect data.



Digital Solutions prepares students for a range of careers in a variety of digital contexts. It develops thinking skills that are relevant for digital and non-digital real-world challenges

## Digital Solutions (continued)

Digital solutions prepares students to be successful in a wide range of careers and provides them with skills to engage in and improve the society in which we work and play.

### Further Study Pathways:

Courses at University

Courses at TAFE



### Areas of employment:

Mathematics, Science, Technologies, Engineering, IT Project Manager, Computer Engineer, Computer systems auditor, IT Administrator, Multimedia developer, Web designer.

## Information and Communication Technology

**Pre-requisite subjects:** Nil



The subject Information and Communication Technology (ICT) focuses on the knowledge, understanding and skills related to engagement with information and communication technology through a variety of elective contexts derived from work, study and leisure environments of today.

Students are equipped with knowledge of current and emerging hardware and software combinations, an understanding of how to apply them in real-world contexts and the skills to use them to solve technical and/or creative problems. They develop knowledge, understanding and skills across multiple platforms and operating systems, and are ethical and responsible users and advocates of ICT, aware of the social, environmental and legal impacts of their actions.

Topics include – hardware, software and ICT in Society. Elective contexts include: animation, data management audio and video production, digital imaging and modelling and website production.