



## **Semester 1 or 2 Digital Computers (7COMP, 8COMP)**

Through the use of online tutorials, guided instruction and problem solving, students will design and produce **computer games, learning about cyber safety and how to protect themselves on-line and computer literacy techniques** that will assist them in their future studies and the workplace. Students will also learn the base concepts of coding through solving computer problems. Skills that students will develop include problem solving, logic and syntax development.

They will begin to program computer games using drag and drop to complete the challenges. Students will learn logical sequencing to achieve the desired outcome. A variety of tasks will be given over the semester.

### **Assessment**

Assessment will be completed in class utilising the software that is provided in the computer labs. Students will complete a variety of tasks with a focus on one major challenge per term involving a detailed design write up as well as digital computer theory involved in the product being designed.