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# LEARNING CHOICES PROGRAM

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## App Development

### DURATION OF SUBJECT

One semester

### SUBJECT TYPE

Elective

### COURSE DESCRIPTION

Why do apps captivate? What makes an app successful? These are all questions that will be explored throughout the App Development Course.

Computational thinking, problem solving and writing algorithms are skills essential to becoming innovative thinkers. This is essential, as many of the jobs that will exist for today's youth in the future don't yet exist.

The App Development course requires students to work individually or in small teams to work through several 'Swift Playgrounds' which assist students to unpack and understand various coding concepts. Students will design applications for the iOS platform, learn about digital systems and develop skills in project management by utilising storyboards to design and test the functionality of their ideas. The course enables students to develop understanding and skills in computational thinking, problem solving and introduces students to Apple's unique 'Swift' programming language and the software development program Xcode.

### ASSESSMENT

Students are required to work in small teams to complete weekly Swift playground tasks and complete a final App Design Project.

### Why choose this subject?

This subject is suitable for any student who has an interest in computer programming. It provides an excellent foundation for those wishing to study Digital Technologies in Senior School.