

2017 Inquiry Unit:

Throughlines:

Science, technology and our knowledge about the physical world are constantly evolving.

Scientific and technological processes enable us to investigate questions and problems and find possible solutions. The results can have implications for all living things and the environment.

Victorian Curriculum:

Science as a human endeavour:

Level 5-6

Scientific understanding, discoveries and inventions are used to inform personal and community decisions and to solve problems that directly affect people's lives.

Digital technologies:

Define problems in terms of data and functional requirements, drawing on previously solved problems to identify similarities.

Plan, create and communicate ideas, information and online collaborative projects, applying agreed ethical, social and technical protocols.

Explain how student-developed solutions and existing information systems meet current and future community and sustainability needs.

Understandings:

Technology is developed by humans for specific needs or purposes.

Technology changes and develops over time.

The purpose and use of a technology can change over time.

- Understanding related specifically to the incursion

Key Concepts:

Technology

Change

Purpose

Coding and programming

Skills and Dispositions:

Identifying a problem

Problem solving

Analysing

Creative thinking

Sorting and classifying

Logic

Order

Clarity

Precision