

TECHNOLOGY—FOOD, TEXTILES AND DESIGN

Agriculture and Food Technologies

Agriculture focuses on the investigation of managed environments. Students learn about the processes of food production and investigate the innovative and sustainable supply of agriculturally produced raw materials through designing and producing solutions.

Students learn about the characteristics and properties of food. Students are provided with opportunities to develop knowledge and understanding about food selection and preparation, food safety and how to make informed choices when experimenting with and preparing nutritious food.

Students complete Agriculture and Food Technologies units in Year 7 and 8.



Digital Technologies

The Digital Technologies context encourages students to develop a confident attitude with digital technologies. Students have the opportunity to become innovative creators of digital technologies in addition to effective users of digital systems and critical consumers of the information they convey.

Students are provided with opportunities to

develop fluency in a general-purpose programming language and use these skills to solve problems.

Students complete Digital Technologies units in Year 7 and 8.

Engineered Systems

The Engineered Systems context focuses on how force, motion and energy can be used in systems, machines and structures. Students are provided with opportunities to experiment with the properties of materials and how they affect the behaviour and performance of prototypes. Knowledge of these principles and systems enables the design and production of sustainable, engineered solutions.

Students complete an Engineered Systems unit in Year 8.



Materials Technology

The Material Technologies context focuses on the application of specialist skills and techniques to a broad range of traditional, contemporary and advancing materials. Students develop knowledge and understanding of the characteristics and properties of a range of materials through research, experimentation and practical investigation, and the making of products to satisfy identified needs and opportunities.

Students complete Textiles units in Year 7 and 8, and a Timber unit in Year 7.