

AGRICULTURE

Students will investigate solutions to feeding a growing population and learn practical, transferable skills in the Agriculture Centre. This subject provides the opportunity for students to experience animal husbandry with horses, goats, cattle and chickens. Students will also learn the appropriate and safe use of chemicals.

Agriculture in Year 10 will prepare students for Senior Agricultural Practices. Agriculture will support learning in Science, Maths and other practical subjects. Students may choose Agriculture due to interest or if they are pursuing a career in the agricultural, environmental or animal sectors.



HOME ECONOMICS

Students will study the production, processing, consumption, marketing of food, the nature of food and human nutrition, through a problem-solving process. The focus of this specialist area is on the wellbeing of individuals, families and communities.

Students will improve their cooking skills and increase their confidence in the kitchen while preparing healthy nutritional meals. Sewing will focus on sustainability of the fashion industry. Students will practice their skills in designing an upcycling project.

Students considering studying Hospitality Practices as part of their Senior pathways should consider this subject.



STEM

In STEM, students will develop a sophisticated understanding of the synergistic relationship between Science, Technology, Engineering, and Mathematics (STEM). This will provide a powerful framework for addressing complex global issues through advanced project- and problem-based investigations. Building upon prior knowledge, students will delve deeper into specialised areas within Digital Technologies, Physics, Chemistry, Biology, Mathematics, and Engineering to solve real-world problems.

Students design and program robots, fly and analyse drone data, use advanced 3D printing for prototypes, conduct scientific research, and develop solutions for school and community issues. Students will build crucial critical thinking, creativity, collaboration, and problem-solving skills needed for future STEM careers and being informed global citizens.

