



<b>DURATION OF SUBJECT</b>	1 Term Agriculture / 1 Term Industrial Technology
<b>FINANCIAL COMMITMENT</b>	NIL

**COURSE CONTENT**

Agriculture/Industrial Technology is a unit of work that will provide students with the opportunity to sample the different areas of Agriculture and Industrial Technology. They will be exposed to new technologies, materials, animals, processes and the workshop environments throughout the unit.

<b>Agriculture Unit</b>	<b>Industrial Technology Unit</b>
Introduction to Agriculture - Where does my food and fibre come from? On Farm Safety knowledge and understanding so that you can work safely on a farm Basic Plant Anatomy (what it looks like) and physiology (how does it work) - students will plant seeds to produce seedlings for transplanting in garden beds and use in their own hydroponic system design. Interactive and hands on snapshot experiences with cattle, alpacas, chickens, bees and redclaw and fish - students will learn how to feed, water and care for a range of different animals on the school farm. Students will learn how to safely handle the school animals as well as cook yummy snacks produced from the school farm.	Students use traditional production techniques and skills to manufacture a Planter Tool. They will document planning, processes and workshop knowledge to manage the Design and Production process. Students give information and reasons about how the characteristics of particular resistant materials and workshop equipment influenced their acrylic product and influence design decisions in keyring style.
<b>ASSESSMENT</b>	<b>ASSESSMENT</b>
Hydroponic System Design Learning Journal	Planter tool and Key Tag

**COURSE REQUIREMENTS**

Safety is an aspect of the course, which is considered of great importance as it involves all workshop users. Students are required to wear closed in leather shoes of strong construction. Long hair must be tied back and the behaviour of students in the workshop is to be of a safe manner at all times. Safety glasses are to be worn at all times in the workshop.

**CAREER PATHWAYS**

Students considering a career in agriculture would be ideally suited, provide a solid foundation for senior agricultural subjects.

This subject leads directly into senior agricultural subjects – it is designed to give you a foundation knowledge that you can build on in Years 10, 11 & 12.

This subject would fit into the **STEAM Hub**.

A course of study in Industrial Technology can establish a basis for further education and employment in the Building, Construction and Manufacturing industries. With additional training and experience, potential employment opportunities may be found in trades as, for example, a furniture-maker, wood machinist, cabinet-maker, polisher, shopfitter, builder, metal worker, picture framer, plant and machine operator or glazier.

**INTERNET LINKS**

- Australian Agriculture Employment | <http://www.ruralcareers.net.au/agriculture> | <https://farmers.org.au>
- Australian Agriculture overview | [https://www.youtube.com/watch?v=fFUZ\\_j2cCe0](https://www.youtube.com/watch?v=fFUZ_j2cCe0)
- The farm and the environment | <https://www.youtube.com/watch?v=Tgfvymh5Zns>
- The future of farming technology | <https://www.youtube.com/watch?v=Qmla9NLFbVU>
- | [Construction Skills Queensland](#)
- | [Ai Group - Apprenticeships and Traineeships](#)
- | [Housing Industry Australia](#)

