



DURATION OF SUBJECT	1 Term Agriculture / 1 Term Industrial Technology
FINANCIAL COMMITMENT	REFER TO PROPOSED FEE SCHEDULE
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.	
Agriculture Unit	Industrial Technology Unit
<p>Introduction to Agriculture - Where does my food and fibre come from?</p> <p>Introduction to 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.</p> <p>Interactive and hands on snapshot experiences with cattle, alpacas, chickens, bees, redclaw and fish - students will learn how to feed, water and care for a range of different animals on the school farm.</p> <p>Students will learn how to safely handle the school animals, as well as cook yummy snacks produced from the school farm.</p>	<p>Students use traditional production techniques and skills to manufacture a planter tool in Metal Technology and an egg rack in Wood Technology. They will document planning, processes and workshop knowledge to manage the design and production process.</p> <p>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 manufacturing a plant tag.</p>
ASSESSMENT	ASSESSMENT
Hydroponic system and Learning Design Journal	Planter tool, egg rack and plant tag
COURSE REQUIREMENTS	
Safety is an aspect of the course, which is considered of great importance as it involves all workshop and farm users. Students are required to wear closed in leather shoes of strong construction. Long hair must be tied back and students must always work safely in the workshop. Safety glasses must be worn, at all times, in the workshop.	
CAREER PATHWAYS	
<p>This TEC unit of work leads into senior agricultural subjects – it is designed to give you a foundation knowledge that you can build on in Years 8 and 9.</p> <p>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. This subject would fit into the STEM Hub.</p>	
FIND OUT MORE	
Australian Agriculture Employment	http://www.ruralcareers.net.au/agriculture https://farmers.org.au
Australian Agriculture overview	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=Qmla9NLFvU
Industrial Technology	Construction Skills Queensland
	Ai Group - Apprenticeships and Traineeships
	Housing Industry Australia

