



# CABOOLTURE

## STATE HIGH SCHOOL

*Making the difference today ... for tomorrow*

## AGRICULTURE &

## INDUSTRIAL TECHNOLOGY

<b>DURATION OF SUBJECT</b>	AGRICULTURE - 1 TERM   INDUSTRIAL TECHNOLOGY – 1 TERM	
<b>FINANCIAL COMMITMENT</b>	REFER TO FEE SCHEDULE	
<b>COURSE REQUIREMENTS</b>	<p>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.</p> <p>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.</p>	
<b>AGRICULTURAL UNIT</b>		
<b>COURSE CONTENT</b>	<b>ASSESSMENT</b>	
<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. Students will learn how to safely handle the school animals, as well as cook yummy snacks produced from the school farm.</p>	<p>Hydroponic system and Learning Design Journal</p>	
<b>INDUSTRIAL TECHNOLOGY UNIT</b>		
<b>COURSE CONTENT</b>	<b>ASSESSMENT</b>	
<p>Students use traditional production techniques and skills to manufacture a sheet metal product in Metal Technology and a timber product in Wood Technology. 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 design projects.</p>	<p>Metal project, Timber project and Design project</p>	
<b>CAREER PATHWAYS</b>		
<p>This TCY unit of work leads into senior agricultural and ITD subjects – it is designed to give you a foundation knowledge that you can build on in Years 8 and 9. 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>		
<b>FIND OUT MORE</b>		
<p>Australian Agriculture Employment – <a href="http://www.ruralcareers.net.au/agriculture">http://www.ruralcareers.net.au/agriculture</a>  <a href="https://farmers.org.au">https://farmers.org.au</a></p> <p>Australian Agriculture Overview – <a href="https://www.youtube.com/watch?v=fFUZ_j2cCe0">https://www.youtube.com/watch?v=fFUZ_j2cCe0</a></p> <p>The farm and the environment – <a href="https://www.youtube.com/watch?v=Tgfvymh5Zns">https://www.youtube.com/watch?v=Tgfvymh5Zns</a></p> <p>The future of farming technology – <a href="https://www.youtube.com/watch?v=Qmla9NLFbVU">https://www.youtube.com/watch?v=Qmla9NLFbVU</a></p>	<p>Industrial Technology  <a href="#">Construction Skills Queensland</a>  <a href="#">Ai Group - Apprenticeships and Traineeships</a>  <a href="#">Housing Industry Australia</a></p>	