

# CLEVE AREA SCHOOL AGRICULTURAL STUDIES

Yr 10	Yr 11	Yr 12
<i>Semester/Full Year</i>	<i>Full Year SACE</i>	<i>Full Year SACE</i>
Agriculture  <i>'Certificate 2 in Agriculture'</i>	<ul style="list-style-type: none"> <li>✓ Ag Practice (structured workplace learning)</li> <li>✓ Ag Management (Plant and Animal Science)</li> </ul>	<ul style="list-style-type: none"> <li>✓ Ag Management</li> <li>✓ Ag Applied Tech</li> <li>✓ Ag and The Community</li> </ul>
<p style="text-align: center;"><i>9 Competency Units:</i></p> <ul style="list-style-type: none"> <li>• Participate in OHSW processes</li> <li>• Install, maintain &amp; repair fencing</li> <li>• Operate tractors</li> <li>• Determine basic properties of soil and/or growing media</li> <li>• Muster &amp; move livestock</li> <li>• Handle livestock using basic techniques</li> <li>• Assist agricultural crop maintenance</li> <li>• Treat weeds</li> <li>• Carry out regular livestock observation</li> </ul> <p style="text-align: center;"><i>On Farm Tasks</i></p> <ul style="list-style-type: none"> <li>• Machinery/tractor operation</li> <li>• Routine sheep operations – drenching, vaccinating, supplementary feeding</li> <li>• Sheep condition scoring</li> <li>• Fencing project</li> <li>• Farm resource maintenance/development</li> <li>• Boom spray technology</li> </ul>	<p style="text-align: center;"><b><u>Ag Practice</u></b></p> <p style="text-align: center;"><b>9 Competency Units:</b></p> <ul style="list-style-type: none"> <li>• Participate in environmentally sustainable work practices</li> <li>• Prepare &amp; apply chemicals</li> <li>• Apply chemicals under supervision</li> <li>• Assist agriculture crop establish</li> <li>• Assist agricultural crop harvesting</li> <li>• Operate tractors – complete unit from Year 10</li> <li>• Operate basic machinery &amp; equipment</li> <li>• Undertake operational maintenance of machinery</li> <li>• Implement vertebrate pest control program</li> </ul> <p style="text-align: center;"><b><i>On Farm Tasks</i></b></p> <ul style="list-style-type: none"> <li>• Collaborative cropping project</li> <li>• Shearing &amp; crutching</li> <li>• Lamb marking</li> <li>• Fencing project</li> <li>• Year 11 Ag camp</li> <li>• Mid side sampling</li> </ul> <p style="text-align: center;"><b><u>Ag Management</u></b></p> <ul style="list-style-type: none"> <li>• Sustainable Agriculture/crop rotation planning</li> <li>• Animal breeds</li> <li>• Pests and diseases</li> <li>• Animal and plant genetics</li> <li>• Animal nutrition</li> <li>• Soils</li> <li>• Animal physiology (sheep)</li> <li>• Plant physiology (cereals/legumes)</li> </ul>	<p style="text-align: center;"><b><u>Ag Management</u></b></p> <ul style="list-style-type: none"> <li>• Crop rotation and planning</li> <li>• Farm management / viability study</li> <li>• Australian sheep breeding values</li> <li>• Crop establishment &amp; management</li> <li>• Gross margin analysis</li> <li>• Investigative study</li> <li>• Prime lamb selection</li> <li>• Crop yield estimation</li> <li>• Excursions - National Merino Challenge - Station trip</li> </ul> <p style="text-align: center;"><b><u>Ag Applied Tech</u></b></p> <ul style="list-style-type: none"> <li>• Crop rotation and planning</li> <li>• Vertebrate pest control</li> <li>• Front-end loader operation</li> <li>• Australian sheep breeding values</li> <li>• Guidance steering applications</li> <li>• Rural fencing project</li> <li>• Chainsaw operation</li> <li>• Investigative study</li> <li>• Wool classing</li> <li>• Merino hogget classing</li> <li>• Excursions - National Merino Challenge - Station trip</li> </ul> <p style="text-align: center;"><b><u>Ag and the Community</u></b></p> <ul style="list-style-type: none"> <li>• Practical tasks at Sims Farm</li> </ul>