

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