Year 9 - Agriculture 2024

<table>
<tr><th colspan="3">TERM 1</th></tr>
<tr><td rowspan="2">TIMING
Weeks 1 – 5</td><td colspan="2">Introduction to Agriculture

Students learn about plant and animal-related concepts to encourage to develop an appreciation of the complexity of agriculture. Students have opportunities to investigate the industries involved in agriculture, how plants and animals are produced and to follow Work Health and Safety (WHS) guidelines. Students' experiences with include both practical and theoretical contexts.</td></tr>
<tr><td>UNIT OVERVIEW

• research the markets available for chosen plant agricultural products
• explore the effect of European and Aboriginal agricultural practices on agricultural production and environmental sustainability
• identify opportunities provided by the agricultural sector, both as an employer and as a user of products
• compare alternative production systems for a plant and animal enterprise
• evaluate different production techniques for a chosen agricultural system or enterprise
• identify hazards and apply WHS practices including the use of PPE
• conduct a risk assessment for a designated task
• identify hazards, apply control measures and use PPE when working with chemicals, tools and agricultural machinery</td><td>ASSESSMENT

Task Number:1
Nature of Task: Research Task and Written Report
Percentage: 50%
Week: Week 7
Reported: Semester 1</td></tr>
<tr><td rowspan="2">TIMING
Weeks 6 – 11</td><td colspan="2">Vegetable Production

Students learn about a broad range of skills and knowledge required to successfully cultivate a vegetable crop in a practical context. Students will have the opportunity to cultivate a range of vegetables firsthand and complete a range of tasks from planting, fertilising, pest management and harvest. Other focus areas include marketing, plant biology and external influences on production.</td></tr>
<tr><td>UNIT OVERVIEW

• investigate current agricultural systems and Aboriginal land management practices
• explore the effect of European and Aboriginal agricultural practices on agricultural production and environmental sustainability
• understand ethical responsibilities surrounding intellectual property
• evaluate the profitability of an agricultural plant enterprise
• manage and monitor crops to raise/grow products on the school farm
• investigate timing and impact of relevant operations in a plant production cycle
• communicate an understanding of trends, patterns and relationships in data to a specified audience</td><td>ASSESSMENT</td></tr>
</table>

Year 9 - Agriculture 2024

<table>
<tr><th colspan="3">TERM 2</th></tr>
<tr><td rowspan="2">TIMING
Weeks 1 – 5</td><td colspan="2">Vegetable Production
Students learn about a broad range of skills and knowledge required to successfully cultivate a vegetable crop in a practical context. Students will have the opportunity to cultivate a range of vegetables firsthand and complete a range of tasks from planting, fertilising, pest management and harvest. Other focus areas include marketing, plant biology and external influences on production.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td></td><td>• investigate current agricultural systems and Aboriginal land management practices
• explore the effect of European and Aboriginal agricultural practices on agricultural production and environmental sustainability
• understand ethical responsibilities surrounding intellectual property
• evaluate the profitability of an agricultural plant enterprise
• manage and monitor crops to raise/grow products on the school farm
• investigate timing and impact of relevant operations in a plant production cycle
• communicate an understanding of trends, patterns and relationships in data to a specified audience</td><td>Task Number: 2
Nature of Task: Experimental Field Trial
Percentage: 50%
Week: Week 4
Reported: Semester 1</td></tr>
<tr><td rowspan="2">TIMING
Weeks 6 – 10</td><td colspan="2">Prime Lamb Production
Students learn about a broad range of skills and knowledge required to successfully raise sheep and lambs. Students will have the opportunity to either observe or complete firsthand a range of tasks relating the husbandry of sheep. Other focus areas include marketing, animal physiology and external influences on production.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td></td><td>• describe an animal enterprise
• investigate a range of important animal management skills
• investigate and implement a range of animal husbandry operations, following animal welfare guidelines, including Animals in Schools
• select and use ICT in the analysis and presentation of agricultural data related to the animal enterprise
• collect accurate evidence and record relevant data relating to the animal enterprise
• assess the market specifications required to market chosen animal agricultural products
• examine the profitability of an agricultural animal enterprise
• plan and undertake procedures in the management of an animal enterprise within animal welfare guidelines
• work collaboratively to perform animal enterprise management activities
• investigate information from secondary sources on agricultural production and Australian export trends in agricultural products
• investigate timing and impact of relevant operations in an animal production cycle
• select and use technologies to assist effective animal management practices</td><td></td></tr>
</table>

Year 9 - Agriculture 2024

<table>
<tr><th colspan="3">TERM 3</th></tr>
<tr><td rowspan="2">TIMING
Weeks 1 – 5</td><td colspan="2">Prime Lamb Production
Students learn about a broad range of skills and knowledge required to successfully raise sheep and lambs. Students will have the opportunity to either observe or complete firsthand a range of tasks relating the husbandry of sheep. Other focus areas include marketing, animal physiology and external influences on production.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td></td><td>• describe an animal enterprise
• investigate a range of important animal management skills
• investigate and implement a range of animal husbandry operations, following animal welfare guidelines, including Animals in Schools
• select and use ICT in the analysis and presentation of agricultural data related to the animal enterprise
• collect accurate evidence and record relevant data relating to the animal enterprise
• assess the market specifications required to market chosen animal agricultural products
• examine the profitability of an agricultural animal enterprise
• plan and undertake procedures in the management of an animal enterprise within animal welfare guidelines
• work collaboratively to perform animal enterprise management activities
• investigate information from secondary sources on agricultural production and Australian export trends in agricultural products
• investigate timing and impact of relevant operations in an animal production cycle
• select and use technologies to assist effective animal management practices</td><td>Task Number: 3
Nature of Task: Written Report and Practical Task
Percentage: 50%
Week: Week 6
Reported: Semester 2</td></tr>
<tr><td rowspan="2">TIMING
Weeks 6 – 10</td><td colspan="2">Cotton Production
Students learn about a broad range of skills and knowledge required to successfully cultivate a cotton crop. Students will have the opportunity to develop skills relating to the propagation of this crop, including planting, irrigation, harvesting and tractor operations. Other focus areas include marketing, plant physiology and external influences on production.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td></td><td>• investigate and analyse soil quality indicators
• identify and describe common plant pests and diseases
• evaluate strategies for the management and control of plant pests and diseases
• evaluate current agricultural methods relevant to the chosen plant enterprise in terms of environmental sustainability
• identify and apply ethical and WHS practices
• conduct safe handling and storage of agricultural chemicals by interpreting chemical labels and correctly calibrating equipment
• plan and undertake procedures in the management of a plant enterprise
• identify and select technologies to assess the effectiveness of plant production practices
• draw conclusions from evidence and analysis of data</td><td></td></tr>
</table>

Year 9 - Agriculture 2024

<table>
<tr><th colspan="3">TERM 4</th></tr>
<tr><td rowspan="3">TIMING
Weeks 1 – 4</td><td colspan="2">Cotton Production

Students learn about a broad range of skills and knowledge required to successfully cultivate a cotton crop. Students will have the opportunity to develop skills relating to the propagation of this crop, including planting, irrigation, harvesting and tractor operations. Other focus areas include marketing, plant physiology and external influences on production.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td>• investigate and analyse soil quality indicators
• identify and describe common plant pests and diseases
• evaluate strategies for the management and control of plant pests and diseases
• evaluate current agricultural methods relevant to the chosen plant enterprise in terms of environmental sustainability
• identify and apply ethical and WHS practices
• conduct safe handling and storage of agricultural chemicals by interpreting chemical labels and correctly calibrating equipment
• plan and undertake procedures in the management of a plant enterprise
• identify and select technologies to assess the effectiveness of plant production practices
• draw conclusions from evidence and analysis of data</td><td>Task Number: 4
Nature of Task: Yearly Examination
Percentage: 50%
Week: Week 5
Reported: Semester 2</td></tr>
<tr><td rowspan="3">TIMING
Weeks 5 – 10</td><td colspan="2">Nursery Production

Students learn about a broad range of skills and knowledge required to successfully cultivate nursery plants. Students will have the opportunity to develop skills relating to the propagation of this crop, including planting, propagation, fertilising and irrigation. Other focus areas include marketing, plant physiology and external influences on production.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td>• demonstrate a range of propagation techniques
• investigate timing and impact of relevant operations in a plant production cycle
• identify hazards, apply control measures and use PPE when working with chemicals, tools and agricultural machinery</td><td>Informal Practical Assessment: Week 8-10</td></tr>
</table>