Year 10 - Agriculture 2024

<table>
<tr><th colspan="3">TERM 1</th></tr>
<tr><td rowspan="2">TIMING
Weeks 1 – 6</td><td colspan="2">Ethical Eating
Students learn about ethical eating, exploring where their food comes from as well as social and ethical issues that exist in the production of both animals and plants.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td></td><td>• evaluate the social and ethical issues that would be confronted in the chosen plant enterprise
• research an agricultural issue relevant to the plant enterprise chosen and propose possible solutions
• investigate the social and ethical issues that affect the chosen animal enterprises
• research an agricultural issue relevant to the animal enterprise and propose possible solutions
• investigate the influences of Australia’s developing multicultural society on an increasing variety of agricultural products
• conduct a market survey for an agricultural product
• assess the effectiveness of marketing strategies for an agricultural product
• analyse how an agricultural product may be promoted
• investigate the role of value-adding in marketing agricultural products</td><td>Task Number: 1
Nature of Task:
Animal Welfare Research Task
Percentage: 25%
Week: Week 10
Reported: Semester 1</td></tr>
<tr><td rowspan="2">TIMING
Weeks 7 – 11</td><td colspan="2">Dairy Production
Students learn about one of Australia’s most important Agricultural industries in the Dairy industry. Students learn about the production channels of dairy production from paddock to consumer.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td></td><td>• investigate technologies that assist in record-keeping and monitoring an animal enterprise and its performance
• research the markets available for chosen animal agricultural products
• evaluate current sustainable and unsustainable agricultural animal management practices
• identify and apply ethical and WHS practices
• conduct safe handling and storage of agricultural chemicals by interpreting chemical labels and correctly calibrating
• identify animal breeds and plant types specifically developed for a particular climate or market,
• investigate profitability using financial tools
• identify some of the programs, techniques and tools used in animal breeding and analyse their impact on production
• analyse nutritional requirements for the production cycle of an animal
• investigate Australian animal welfare codes and their effect on the management of intensive and extensive systems
• implement and document practices in accordance with animal welfare codes
• conduct a hazard identification and risk assessment task when undertaking animal husbandry tasks</td><td>Informal Assessment through Quiz in class</td></tr>
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Year 10 - Agriculture 2024

<table>
<tr><th colspan="3">TERM 2</th></tr>
<tr><td rowspan="3">TIMING
Weeks 1 – 2</td><td colspan="2">Dairy Production
Students learn about one of Australia’s most important Agricultural industries in the Dairy industry. Students learn about the production channels of dairy production from paddock to consumer.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td>• investigate technologies that assist in record-keeping and monitoring an animal enterprise and its performance
• research the markets available for chosen animal agricultural products
• evaluate current sustainable and unsustainable agricultural animal management practices
• identify and apply ethical and WHS practices
• conduct safe handling and storage of agricultural chemicals by interpreting chemical labels and correctly calibrating
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• analyse nutritional requirements for the production cycle of an animal
• investigate Australian animal welfare codes and their effect on the management of intensive and extensive systems
• implement and document practices in accordance with animal welfare codes
conduct a hazard identification and risk assessment task when undertaking animal husbandry tasks</td><td>Informal Assessment through Quiz in class</td></tr>
<tr><td rowspan="3">TIMING
Weeks 3 – 10</td><td colspan="2">Goat Production
Students learn about one of Australia’s most important Agricultural industries in the Goat industry. Students learn about the production channels of dairy production from paddock to consumer.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td>• investigate technologies that assist in record-keeping and monitoring an animal enterprise and its performance
• research the markets available for chosen animal agricultural products
• evaluate current sustainable and unsustainable agricultural animal management practices
• identify and apply ethical and WHS practices
• conduct safe handling and storage of agricultural chemicals by interpreting chemical labels and correctly calibrating
• identify animal breeds and plant types specifically developed for a particular climate or market,
• investigate profitability using financial tools
• identify some of the programs, techniques and tools used in animal breeding and analyse their impact on production
• analyse nutritional requirements for the production cycle of an animal
• investigate Australian animal welfare codes and their effect on the management of intensive and extensive systems
• implement and document practices in accordance with animal welfare codes
• conduct a hazard identification and risk assessment task when undertaking animal husbandry tasks</td><td>Task Number: 2
Nature of Task:
Case Study
Percentage: 25%
Week: Week 4
Reported: Semester 1</td></tr>
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Year 10 - Agriculture 2024

<table>
<tr><th colspan="3">TERM 3</th></tr>
<tr><td rowspan="3">TIMING
Weeks 1 – 8</td><td colspan="2">Potato Production
Students will gain experience in research agronomy by conducting a trial on the effects of organic and synthetic fertilisers, and consolidate knowledge gained previously on soil activity. Students will conduct a market research survey to gain knowledge and understanding of consumer wants and needs</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td>• identify plants relevant to agricultural production
• explain the function and structure of plants related to the enterprise
• Implement soil-management operations for a chosen plant enterprise
• assess the market specifications required to market chosen plant agricultural products
• investigate technologies that assist in record-keeping and monitoring of the plant enterprise and its performance
• collect accurate evidence and record relevant data relating to the plant enterprise
• select and use appropriate software to analyse and present agricultural data related to the plant enterprise
• work collaboratively to perform plant enterprise management activities
• design and conduct a controlled agricultural experiment
• evaluate the impact of current technologies on sustainability
• conduct a hazard identification and risk assessment task when undertaking a plant production activity</td><td>Task Number: 3
Nature of Task:
Research Task
Percentage: 25%
Week: Week 9
Reported: Semester 2</td></tr>
<tr><td rowspan="3">TIMING
Weeks 9 – 10</td><td colspan="2">Sustainability and Urban Agriculture
Students learn about the role of urban agriculture in supporting efforts to enhance urban resilience, urban food security and contribute to meeting the challenges of adapting to climate change were investigated by a multi-institutional research project supported by the National Climate Change Adaptation Research Facility.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td>• evaluate current sustainable and unsustainable agricultural animal management practices
• investigate the effect of beneficial and harmful microorganisms and invertebrates on plant and/or animal production
• compare short-term and long-term effects of agricultural production systems on sustainability
• formulate a solution to an agricultural issue
• examine and analyse data from a range of sources
• identify emerging technologies that affect sustainability
• compare short-term and long-term effects of agricultural production systems on sustainability</td><td></td></tr>
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Year 10 - Agriculture 2024

<table>
<tr><th colspan="3">TERM 4</th></tr>
<tr><td rowspan="3">TIMING
Weeks 1 – 8</td><td colspan="2">Sustainability and Urban Agriculture
Students learn about the role of urban agriculture in supporting efforts to enhance urban resilience, urban food security and contribute to meeting the challenges of adapting to climate change were investigated by a multi-institutional research project supported by the National Climate Change Adaptation Research Facility.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td>• evaluate current sustainable and unsustainable agricultural animal management practices
• investigate the effect of beneficial and harmful microorganisms and invertebrates on plant and/or animal production
• compare short-term and long-term effects of agricultural production systems on sustainability
• formulate a solution to an agricultural issue
• examine and analyse data from a range of sources
• identify emerging technologies that affect sustainability
• compare short-term and long-term effects of agricultural production systems on sustainability</td><td>Task Number: 4
Nature of Task:
Yearly Examination
Percentage: 25%
Week: Week 4
Reported: Semester 2</td></tr>
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