# COURSE INFORMATION Subject: AGRICULTURE & HORTICULTURE Head of Subject: MR JESSE BIRD

| | Year 11 | Year 12 | Year 13 |
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| **Course Content** | **Soil management practices.** Involves identifying soil structure and composition and modifying soils to improve production and reduce environmental impact.<br><br>**Life process.** Describes livestock and pasture management practices and the effects of these on animal/plant physiology and production.<br><br>**Purpose and location of primary production.** Demonstrate knowledge of factors that influence the purpose and location of primary production in the Wairarapa. | **Livestock management practices.** Allows for understanding of how NZ commercial management practices influence livestock growth and development, and quantity and quality.<br>**Pasture and crop growth.** Understand soil health, plant growth for livestock feed,<br>**Environmental impact.** Look at the environmental footprint of production systems, mitigations being done, and new research.<br>**Livestock behaviour.** Describing the interactions between livestock behaviour and management practices in commercial production in New Zealand. This involves descriptions of how management practices take account of livestock behaviours and how livestock respond to different management practices. | **Production of a Primary product**. Carry out an investigation into an aspect of a NZ primary product and its production.<br><br>**Profitability of Primary products.** Research and report on the impact of factors on the profitability of a New Zealand primary product.<br><br>**Production Processes.** Demonstrate understanding of how the production process meets market requirements for a New Zealand primary product(s)<br><br>**Primary production environmental issue.** Topic looks at an environmental issue which results from agricultural or horticultural primary production in New Zealand and students develop a course of action to mitigate impacts. |
| **Prerequisites** | None | At least 10 credits from Level 1 Agriculture/ Horticulture or Science, Or at the HoF/Deans discretion. | At least 8 credits from Level 2 Agriculture/ Horticulture, including the external Achievement Standard. Or at the HoF/Deans discretion. |
| **Assessment** | **Internal (11 credits)**<br>**91929** Demonstrate understanding of factors that influence the purpose and location of primary production. (5 credits)<br>**91928** Demonstrate understanding of a life process and how it is managed in a primary production system. (6 credits)<br><br>**External (5 credits)**<br>**91930** Demonstrate understanding of how soil properties are managed in a primary production system. (5 credits)<br>***Total Credits = 16*** | **Internal (12 Credits)**<br>**AS91295 (2.6)** Understanding of livestock behaviour (4 credits)<br>**AS91298 (2.9)** Report on the environmental impact of a locally produced primary product. (4 credits)<br>**AS91289 (2.1)** Carry out an extended agricultural or horticultural investigation<br><br>**External (4) Credits)**<br>**AS91294 (2.6)** NZ commercial management practices influence livestock growth and development (4 credits)<br>***Total Credits = 16*** | **Internal (10 Credits)**<br>**AS91528 (3.1)** Carry out an investigation into an aspect of a New Zealand primary product or its production (4 credits)<br>**AS91529 (3.2)** Research and report on the profitability of a New Zealand primary product (6 credits)<br><br>**External (9 Credits)**<br>**AS91531 (3.4)** Production Process (4 credits)<br>***AS91532 (3.5)*** Analyse a New Zealand primary production environmental issue (5 credits)<br>***Total Credits = 19*** |
| **Costs** | Workbook of $25-30. Printing will be required for some units. 2B5 book | No textbook charges. Printing will be required for some units. 2B5 book | No textbook charges. Printing will be required for some units. 2B5 book |