Stage 1 Agriculture Teaching Program Semester 1

*This program articulates with LAP1*

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| Week | Topics | Practical | Theory | Resources | Assessment |
| 1 | **Plant Health** | Set up small petri dish based plant experiment in small groups | Experimental design: randomisation, replication, bias, controls etc | Petri dishes, cotton wool, seeds, labels, water |  |
| 2 |  | Monitor experiment take results | **SHE** Discuss impact of scientific research on controlling plant diseases |  |  |
| 3 |  | Visit Hart Field day site and monitor experiment take results | Record results in correct format |  |  |
| 4 |  | Make notes for report for small experimental trial  Take final results | Correct procedure for preparing scientific report |  | **Formative** assessment of report |
| 5 | **Plant experiment trials** | Set up trials | Design individual pot based plant trials | Pots, seeds, etc  Goats, appropriate feed  <http://www.agriculture.gov.au/pests-diseases-weeds/animal>.  <https://www.daf.qld.gov.au/animal-industries/animal-health-and-diseases/a-z-list>  <http://www.mla.com.au/Research-and-development/Animal-health-welfare-biosecurity/Diseases> | **Summative Design Practical Exploration** – Plant experiment trials |
| 6 | **Animal Health Goats** | Visit from veterinarian or nutritionist | Research nutritional needs of goats | **Summative** **SHE Exploration–** Animal Nutrition – Goats |
| 7 | Start looking after the goats – feed and weighing weekly for 10 weeks |
| 8  9  10  11  12 | **Cattle Yard Design** | Visit local cattle properties  Monitor trials, feed and weigh and monitor health of goats | Research cattle yard designs |
| **Summative Applications task –** Cattle Nutrition and written report |
| 13 |  | Monitor trials, feed and weigh and monitor health of goats |  |  |
| 14 |  | Monitor trials, feed and weigh and monitor health of goats |  |  |
| 15 | **Animal Pests and diseases** | Farm visits | Start researching pests and diseases.  **SHE** Explore how scientists collaborate around the world to prevent the spread of disease. | **Summative Applications task –** Animal Pests and Diseases. |
| 16 | Checking animals in the Agriculture block |
| 17 | Veterinarian visit |
| 18 |  | Monitor trials, feed and weigh and monitor health of goats |  |  |  |
| 19 |  | Take final results from trials and prepare individual oral report. |  |  |  |