Sample virtual program: Stage 4 Agriculture, vegetable production

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| Guiding question |  |
| What are your students going to learn? (Objectives) | A student:**AG4-1** describes a range of plant species and animal breeds used in agricultural enterprises**AG4-4** implements responsible production of plant and animal products**AG4-5** identifies how agricultural products are used in industry and by consumers  |
| How are they going to learn it? (Resources and Strategies) | **Resources**Smarty factsheets- plant facts for kids <https://smartyplants.com.au/plant-fact-sheets/> **Strategies**Using the online factsheets about fruits and vegetables, how they are grown and their nutritional value, students will create fact sheets describing simple planting and care instructions. Students will use information researched for the fact sheets to then design and draw a simple vegetable garden that can accommodate the growth habits of the chosen vegetables. The last activity for the sequence requires students to develop a timetable for planting the chosen plants to ensure there are enough available to harvest each week for a family of three. Practical activity opportunity for students to assess the amount of in season and out of season fruits and vegetables available in their household.  |
| Target date for completion | 4-5 X 60 minute lessons  |
| How are you going to know that they learned it? (Success criteria) | **Specific tasks** 1. Locate all of the fresh fruits and vegetables in your home. Use the [smarty fact sheets- plant facts for kids](https://smartyplants.com.au/plant-fact-sheets/) website or other websites to determine the best growing season for each of these fruits and vegetables.

Create a table to show your information. Work out what percentage of the fruits and vegetables in your household that are currently in growing season and what percentage are not.1. Use the [smarty fact sheets- plant facts for kids](https://smartyplants.com.au/plant-fact-sheets/) website to read about different fruits and vegetables that can be grown in a vegetable garden.

Find five different fruits or vegetables that are suitable to be grown at this time of year. For these five plants, create a simple instructions poster for the class including all of the following information:* Name and picture
* When to grow
* Height/width of plant
* How to plant
* Care and maintenance
* Harvesting time and instructions
* How to eat.
1. Draw a garden plot 2 metres long by 2 metres wide.

Using the five plants identified for the previous activity, design a planting system for the garden, showing how many of each plant would grow successfully and where. Keep in mind the height/width of the plants when grown.1. The garden designed in activity 3 is going to need to feed a family of three every week beginning in exactly 10 weeks’ time.

Develop a planting plan/timetable to show how this garden could feed that family continually by spacing out the plantings to ensure all vegetables are available each week, with minimal wastage.  |
| Collecting evidence of student learning (Verification) | Using the schools online platform of choice, students will be required to submit the following:* Table showing fruits and vegetables in their household with notes on which are in season and those that are not. Correct percentages calculated.
* Five instructional posters for fruits/vegetables.
* Photograph of, or digital representation of a garden design incorporating the five selected plants.
* Timetable/plan for planting the five selected plants and when they will be harvested for the family.
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| Feedback (Evaluation) | Format to be communicated clearly by teacher, whether it is by emailing comments or annotations on documents, upload of media/audio via online platforms or a blended approach.  |
| Communication | Teachers are able to gauge the progress of the tasks via the schools online platform. Submission dates for each task may be useful as opposed to one final due date. Students can pose questions/clarifications directly to teacher via email or online platform Scaffolds for each task may be posted by the teacher to help clarify specific requirements for each activity.  |

**Resources**:

<https://smartyplants.com.au/plant-fact-sheets/>