

This program is designed for students in years 7 to 9 to build their knowledge of innovations in agriculture, to promote sustainability and to utilise the design thinking framework to understand local issues and generate possible solutions.

### Program Overview



#### Virtual Delivery

Device with a camera, microphone, internet connection is required  
Microsoft Teams, Zoom and/or Canvas



#### Term 2, 2024

3 online sessions (2.5 hours) F2F conference at a choice of  
7th May, 10:00am - 12:30pm Uni Melb Parkville 13th June  
23rd May, 12:00pm - 2:30pm Uni Melb Dookie 20th June  
5th June, 10:00am - 12:30pm



#### Fully funded

William Buckland Foundation



#### Delivered by qualified Australian teachers.

All educators will have relevant Working with Children check.

### Learning Outcomes

#### Students will:

- ✓ Explore the importance of relationships between Australia and Asia in terms of agriculture and trade
- ✓ Collaborate with peers during a design sprint to discuss, explore and ideate on the challenges and opportunities in agriculture
- ✓ Build networks with industry partners and recognise career pathways in agriculture
- ✓ Pitch ideas to industry partners and peers

### Benefits

#### Students will:

- ✓ Connect with students across Victoria
- ✓ Hear from young leaders and industry professionals working in a range of agricultural careers/sectors in Australia and Asia
- ✓ Celebrate the creativity required to be innovators in agriculture, recognising their own strengths in a team during a design sprint
- ✓ Explore a local or global challenge, generate ideas for addressing the challenge and present their pitch to their peers during the F2F event
- ✓ Foster a growth mindset of adaptability and innovation through exposure to real-world challenges

#### Teachers will:

- ✓ Participate in a learning briefing to explore curriculum links, content and gain an understanding of the project as a whole, prior to commencing the first online session
- ✓ Provide an opportunity for students to develop intercultural understanding, critical and creative thinking skills, personal and social capabilities and all through the lens of innovative agriculture

Note: Optional rubric for teachers to assess students' project

### Program Curriculum



#### Geography

Year 7-8 [VCGGK122](#)  
Year 9-10 [VCGGK138](#)  
[VCGGK134](#)

**VCGGK122** – The causes and consequences of urbanisation, drawing on a study from Indonesia

**VCGGK138** – Challenges in feeding the current and projected populations of Australia and the world, and responses to these challenges.

**VCGGK134** – Environmental, economic and technological crop yields in Australia and across the world



#### Design and Technologies

Year 7-8 [VCDSCD050](#)  
[VCDSCD052](#)  
Year 9-10 [VCDSCD061](#)  
[VCDSCD063](#)

**VCDSCD050** – Generate, develop and test design ideas, plans and processes using appropriate technical terms and technologies including graphical representation techniques

**VCDSCD052** – Independently develop criteria for success to evaluate design ideas, processes and solutions and their sustainability

**VCDSCD061** - Apply design thinking, creativity, innovation and enterprise skills to develop, modify and communicate design ideas of increasing sophistication

**VCDSCD063** – Evaluate design ideas, processes and solutions against comprehensive criteria for success recognising the need for sustainability



#### General Capabilities

Year 7-8 [VCCCTQ033](#)  
Year 9-10 [VCPSCSO050](#)  
[VICICCD019](#)

**VCCCTQ033** – Suspend judgements temporarily and consider how preconceptions may limit ideas and alternatives

**VCPSCSO050** – Evaluate own and others contribution to group tasks, critiquing roles including leadership and provide useful feedback to peers, evaluate task achievement and make recommendations for improvements in relation to team goals

**VICICCD019** – Identify and analyse the challenges and benefits of living and working in an interconnected and culturally diverse world

