

HARVEST ED QLD PROGRAM

AGRICULTURE



This program is designed for students in years 8 to 9 in North Queensland 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



Face-to-face Delivery

1 Face-to-face midpoint – at own school
1 Face-to-face Marketplace at end (location TBC)



Term 3 & 4, 2024

20 x 70 minute session (1 per week) (two times available).
Delivered through ISee (3D virtual space)



Fully funded

Queensland Department of Education



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 Queensland
- ✓ Celebrate the creativity required to be innovators in agriculture and recognise 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.
- ✓ Hear from young leaders and industry professionals working in a range of agricultural careers/sectors in Australia and Asia.

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 8 [ACHGK054](#)

Year 9 [ACHGK063](#)
[ACHGK062](#)

ACHGK054 – Causes and consequences of urbanisation, drawing on a study from Indonesia, or another country of the Asia region.

ACHGK063 – Challenges to food production, including land and water degradation, shortage of fresh water, competing land uses, and climate change, for Australia and other areas of the world.

ACHGK062 – Environmental, economic and technological factors that influence crop yields in Australia and across the world.



Design and Technologies

Year 8 [ACTDEP036](#)

[ACTDEP038](#)
Year 9 [ACTDEP049](#)
[ACTDEP051](#)

ACTDEP036 – Generate, develop, test and communicate design ideas, plans and processes for various audiences using appropriate technical terms and technologies including graphical representation techniques.

ACTDEP038 – Independently develop criteria for success to evaluate design ideas, processes and solutions and their sustainability.

ACTDEP049 - Develop, modify and communicate design ideas by applying design thinking, creativity, innovation and enterprise skills of increasing sophistication.

ACTDEP051 – Evaluate design ideas, processes and solutions against comprehensive criteria for success recognising the need for sustainability.



General Capabilities

- Critical and Creative Thinking
- Intercultural Understanding
- Personal and Social Capabilities

Cross-curriculum Priorities

- Asia and Australia's Engagement with Asia
- Sustainability

The Asia Education Foundation empowers school leaders, teachers and students with global perspectives, cultural understanding, and relationships to navigate a shared future with Asia. AEF is the education arm of Asialink, Australia's ONLY national centre for Asia. Over 30 years we have supported students and educators to be ready to create a harmonious and prosperous future for Australia and our region.

More Info: aef-support@asialink.unimelb.edu.au



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