

Primary Industries Education  
Foundation Australia

*Hungry and Naked*

GTA NSW 2017 – Collaborate, Inspire and Learn



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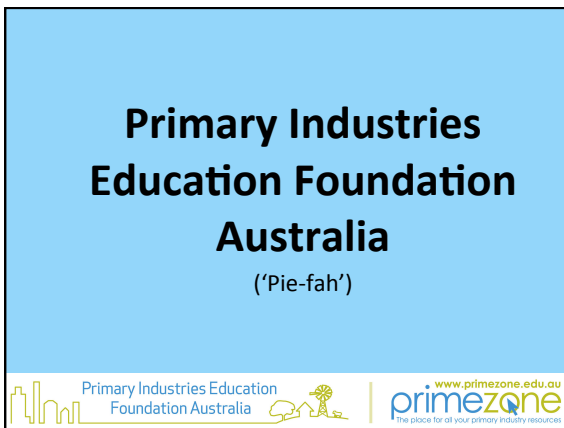
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**Primary Industries  
Education Foundation  
Australia**  
(‘Pie-fah’)

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"...the greatest change we need to make is from consumption to **production**, even if on a small scale, in our own **gardens**. If only 10% of us do this, there is enough for **everyone**."

Bill Mollison  
the father of permaculture

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*“Fights over food and water are going to be the most significant direct impacts of climate change in the next five to ten years.”*

Jim Yong Kim - President - World Bank

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### Members



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### Vision

"An Australian Community that understands and values its primary industries sector"



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### PIEFA Overview and Update

What issues are PIEFA addressing?

I want to grow my own food, but I can't find any bacon seeds.



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### ACER/PIEF 'Food, Fibre and the Future Survey

- 75% of year 6 students thought cotton socks were an animal product.
- 27% of year 10 students thought yoghurt were a plant product.
- 45% of students could not identify that bread, cheese and bananas all originate from farmed products.
- **43% of students did not link scientific research to farming**
- **55% of students did not link innovation to farming.**

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### Heads, tails & knees

- What percentage of Australia's land mass is used for Agriculture?

Head: 68%  
**Tails: 52%**  
Knees: 23%

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• Which country imports the largest share of Australia's food in trade in 2012/13?

Head: Japan  
Tails: China  
Knees: US

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• Which country does Australia import most of its food from?

Head: US  
Tails: NZ  
Knees: Vietnam

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• What per cent of Australia's Agricultural land is irrigated?

Head: 17%  
Tails: 3%  
Knees: 0.5%

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- What per cent of Australia's water is used by Agriculture in 2012/13?

Head: 35%  
Tails: 65%  
Knees: 15%

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- Of these products which saw a 500% increase in consumption rates in the last 50yrs between?

Head: Pigmeat  
Tails: Citrus  
Knees: Cheese

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- Homogenised milk has no bacteria

Head: True  
Tails: False

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**PIEFA**

- 9500 Schools
- 250,000 Teachers
- 3 ½ Million students



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**Food and Fibre Science**

- 168 mentions of Food and Fibre in the Australian curriculum.
- Food and Fibre is scattered throughout the curriculum area
  - Geography
  - Science
  - Design and Technology
  - Digital Technologies

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**Why should busy teachers care?**

- Australian Curriculum/NSW Syllabus
- Resources that are easy and ready to use
- Applied context
- Context students find fascinating
- Real-world and relevant
- Great for beginner teachers

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## Agriculture in Education

17 Units of Inquiry

34 Videos  
(17 Producer to Teacher & 17 Teacher to Teacher)

The screenshot shows the website's navigation menu (Home, about, media, reports, archives, contact) and a section titled 'Agriculture in Education - resources'. It features a 'Farm diaries' section with a 'Foundation: design and technologies, mathematics, science' link, and a 'Producer to teacher' section with a 'Agriculture in Education - resources' link. The website footer includes the Primary Industries Education Foundation Australia logo and the Primezone logo with the URL www.primezone.edu.au.

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## How to use the resources

The screenshot shows a resource page with a title 'How to use the resources' and a list of bullet points. The page includes a 'Farm diaries' section with a 'Foundation: design and technologies, mathematics, science' link and a 'Producer to teacher' section with a 'Agriculture in Education - resources' link. The website footer includes the Primary Industries Education Foundation Australia logo and the Primezone logo with the URL www.primezone.edu.au.

- Content for the different curriculum areas – Geography, Science, Mathematics etc..
- Flexible/Adaptable
- Weblinked, suitable for digital platforms
- Using the 5 E's approach
- Assessment
- Timing of the unit is up to you

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## Ag in Education 2

Using water sustainably through science

Video - Navigating into the 21<sup>st</sup> Century

The video thumbnail features a person in a field with a circular graphic overlay that reads 'THE ENVIRONMENTAL, ECONOMIC AND SOCIAL BENEFITS OF HIGH CROP YIELDS IN AUSTRALIA AND ACROSS THE WORLD'.

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**Lotus worksheet**

1. Brainstorm and record your ideas for the remaining 7 squares.  
 2. Choose 4 (or more) of the environmental factors and expand on these using the information provided to assist. Ask questions like – what, how, when, where, why do these environmental factors support and/or limit crop yield.

			What environmental factors support and/or limit crop yield?			

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### Resource Links

[1. Navigating primary industries into the 21st Century Yr 9 Geography](#)  
[2. Video - Navigating primary industries into the 21st Century Yr 9 Geography](#)

[Video – Using water sustainably through science \(Yr7\) Science](#)



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**Trialling units...**

- Complete [survey](#) monkey
- If you trial a unit, and your students create examples that you would like to share, please share.  
[kelly.spence@piefa.edu.au](mailto:kelly.spence@piefa.edu.au)



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