



Careers | Year 7



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## Curriculum focus

This lesson plan will help teachers and students understand how language evolves with a changing world, and the effect of using a drone to film parts of the footage.

Students watch the three-part Careers Virtual Video Excursion and use this information to explore the way that language and technical vocabulary change in response to the use of new technology.

## Themes and topics:

- Communications
- Marketing
- Social media
- Technology
- Profitability
- Community

## Australian Curriculum links

### Cross-curriculum priorities

Aboriginal and Torres Strait Islander histories and cultures

Asia and Australia's Engagement with Asia

Sustainability

Texts and Technologies	ACELA1528	Understand the way language evolves to reflect a changing world, particularly in response to the use of new technology for presenting texts and communicating
Texts and Technologies	ACELY1765	Analyse and explain the effect of technological innovations on texts, particularly media texts

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## Virtual video excursion **Let's get started**

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If this is your first time teaching with the From Paddock to Plate Program, welcome! When planning your lessons, you may first like to visit the Program page on our website.

[www.frompaddocktoplate.com.au/program/](http://www.frompaddocktoplate.com.au/program/)

### Assessing prior knowledge

Kick off by understanding the level of knowledge your students have of farming in Australia. This will determine your structure of delivery.

- ASK the students to describe and list what they know about farming in Australia.
- EXPLORE the facts about Australian agriculture (page 3).
- BRAINSTORM and gather ideas, questions and information from the class and use this as a platform to begin this unit. What information do students want to confirm, check, debate or explore?
- DISCUSS any questions that arise.



Now is the time to watch the *From Paddock to Plate Careers Virtual Excursion*.

You can find this video and many more on the From Paddock to Plate website. Log in and choose your year level, subject or industry of interest:

[www.frompaddocktoplate.com.au](http://www.frompaddocktoplate.com.au)

Ask students to reflect on what they already know about this industry and what the video showed them that was new, or that changed their thinking.



WATCH  
THE VIRTUAL  
EXCURSION





## CAREERS

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Ask students first to reflect on the *From Paddock to Plate Careers Virtual Video Excursion*:

- What are some of the varieties of grains they saw in the video?
- What different careers do people have in the grains industry?
- Are there careers they had not heard of before? What were they?
- Are there any careers they would like to explore in more detail?

## Facts and Vocabulary

### Facts about Australian agriculture

- As of May 2017, 304,200 people were employed in the Australian farm sector — accounting for about 3% of the national workforce.

SOURCE: Australian Bureau of Statistics, *Labour Force, Australia, Detailed, Quarterly, May 2017 Catalogue No. 6291.0.55.003*.

- Across the supply chain agriculture powers 1.6 million jobs.

SOURCE: Australia's Farm Dependent Economy: *Analysis of the role of Agriculture in the Australian Economy*.

- 216,100 males and 88,100 females are employed in the Australian farm sector

SOURCE: Australian Bureau of Statistics, *Labour Force, Australia, Detailed, Quarterly, May 2017 Catalogue No. 6291.0.55.003*.

### Facts about careers in the Australian agricultural industry

- About 50% of all jobs in the agriculture industry are in capital cities. These jobs include environmental management, research, development, agribusiness and education.

SOURCE: St Joseph's College Geelong, *Weekly Career News*, 19 June 2018

- The demand for agricultural science graduates grew strongly over the past 5 years and around 6000 job openings will be available by 2020.

SOURCE: St Joseph's College Geelong, *Weekly Career News*, 19 June 2018

- Experts are needed in the areas of sustainable farming practices, land management, land conservation, climate change practices, food security, agricultural research and policymaking.

SOURCE: St Joseph's College Geelong, *Weekly Career News*, 19 June 2018

- 'Here are the top 5 most in-demand and highest-paying agriculture careers:

5. Bioinformatics Scientist: Plant and animal life is widely diverse, which is why gathering and updating information on all of them is incredibly difficult – and that's where bioinformatics scientists come in.

4. Environmental Engineer: There would be nothing to harvest if the conditions for planting and growing are poor; that's why the work of environmental engineers is so important to agriculture.

3. Biochemist: Biochemists study and analyse different living organisms to look for new ways to improve human lives. In the field of agriculture, their work primarily involves developing new crops that are more resistant against natural elements like drought, storms or even insect infestations.

2. Agricultural Economist: To work as an agricultural economist, you must be prepared to wear different hats. Not only do they work as researchers and market analysts, but they're also business advisors, consultants and land appraisers.

1. Agricultural Lawyer: Agricultural lawyers are responsible for mitigating disputes on land while making sure that all government regulations are adhered to.'

SOURCE: CareerAddict, *Top 10 Highest-Paying Careers in Agriculture*, by Michi Ancheta, 27 September 2018



## Useful words and phrases

- Aptitude
- Attitude
- Body language
- Budget
- Career
- Career clusters
- Communication
- Consumers
- Coworkers
- Decision-making process
- Discriminate
- Economy
- Employee
- Employer
- Ethics
- Entrepreneur
- Free enterprise
- Full-time
- Goods
- Income
- Interest inventory
- Income tax
- Interests
- Job market
- Job
- Learning styles
- Lifestyles
- Minimum wage
- Overtime
- Part-time
- Personality
- Producers
- Salary
- Skill
- Supervisor
- Time management
- Values
- Wages
- Workers' compensation
- Work place





## Lesson

# Texts and Technologies

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Stage 4

### ACELA1528

Understand the way language evolves to reflect a changing world, particularly in response to the use of new technology for presenting texts and communicating

### ACELY1765

Analyse and explain the effect of technological innovations on texts, particularly media texts

## Themes

Communications

Marketing

Social media

Technology

Profitability

Community

## Getting started



Discuss the *From Paddock to Plate Careers Virtual Video Excursion*, ensuring that students UNDERSTAND that language evolves to reflect a changing world.

How does the video exemplify the way that language and technical vocabulary – even or particularly slang – change in response to the use of new technology for presenting texts and communicating?

The quotes from the video below may be of use.



“Georgia’s job, as a development officer, requires her to do multiple tasks daily, either outside in the paddock or on her computer. You’ll find her creating content for apps, updating social media, creating websites, writing media releases and talking at field days about research work on how to best measure barley varieties for growers and consultants.”

(3:09 – 3:27)



“This is the MyCrop Barley app. The app helps growers to make the best variety choices for their farms based on the environment. What I mean by environment? The soil type and rainfall. This app also helps growers to select varieties that provide them with the best yield and also helps them choose varieties that will give them certain disease resistances.”

(3:53 – 4:16)



“So, have you been using the MyCrop Barley app to make more sustainable decisions on your farm? Yeah I have. I’ve been able to choose the right variety for my area increasing my yields and lowering my inputs making it more sustainable.”

(4:30 – 4:41)



### Lesson: Texts and Technologies (continued)

## Getting to the top

Students CONSIDER the use of a drone to film parts of the footage in these videos.

In pairs they discuss why a drone has been used. What does it do in the documentary? Pairs come up with at least 3 suggestions and share them with the class.

What effect is being created through the use of a drone? Do students think this is deliberate or just happened?

What would be different if these sections were shot at ground-level, i.e. on level with your ankle? What about the sections below, how would shot angle change them?

**For example:**

- Sarah running along the beach (0:52)
- Georgia and Corey walking through the barley trials (3:25)

Students THINK and COMPARE the way you would CONVEY the same message via text, social media, email and speech and IDENTIFY the difference in spelling and vocabulary and EXAMINE the reasons for these changes.

**For example:**

- The use of emojis to express emotions
- Chat abbreviations (TMRW/tomorrow, PPL/people, LOL/laughing out loud)

If time permits they EXPLORE languages and dialects through building webcam relationships with schools across Australia and Asia.

## Did you know?

- 'Neil Papworth, a 22-year-old test engineer for Sema Group (now Airwide Solutions), sent the first text message on December 3, 1992, from his personal computer to the Vodafone network to the phone of Richard Jarvis. The text message read "Merry Christmas" (note, not "mry xmas" as it would most likely be abbreviated now, 20 years after this first text).' – [EDN Network, 3 December 2014](#)
- 'In 2010, the world sent over 6.1 trillion messages, or roughly 193,000 per second.' – [Gizmodo3](#)

**Teacher resources:**

- Department of Primary Industries – MyCrop: [www.agric.wa.gov.au/mycrop](http://www.agric.wa.gov.au/mycrop)
- MyCrop App on iTunes: <https://itunes.apple.com/au/app/mycrop-barley/id969370884?mt=8>