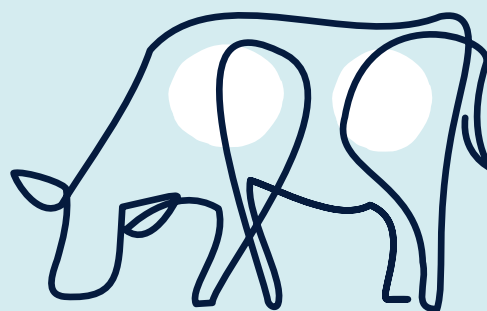
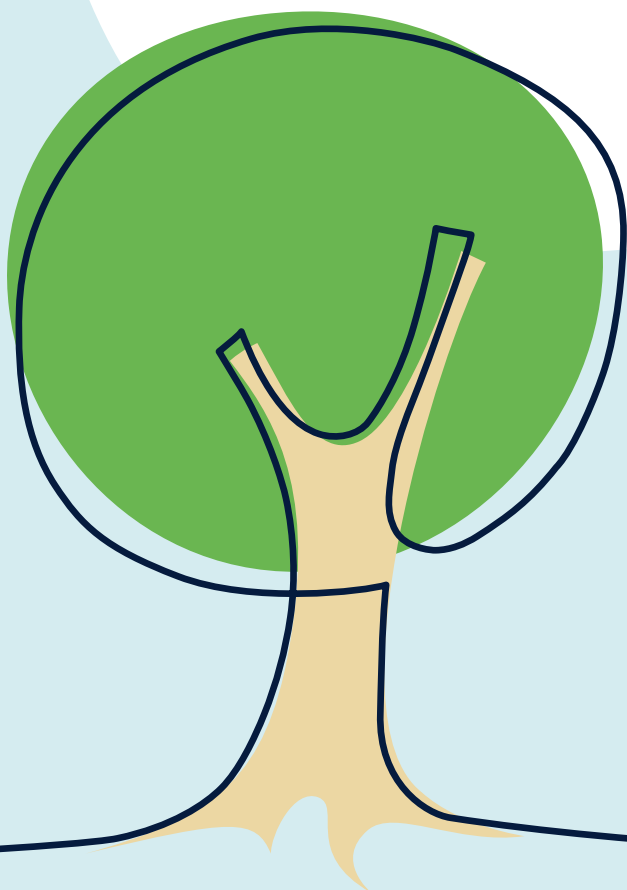


ACTIVITY IDEAS
**FROM FARM
TO PLATE**

LEARN ABOUT
DAIRY FARMING



ACKNOWLEDGEMENTS

This online curriculum-linked resource was produced by Dairy Australia.

The curriculum-linked resource is designed to introduce young people to dairy foods and the dairy industry in Australia.

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The materials in the original educational resource were developed by Angela Colliver from Angela Colliver Consulting Services Pty Ltd.

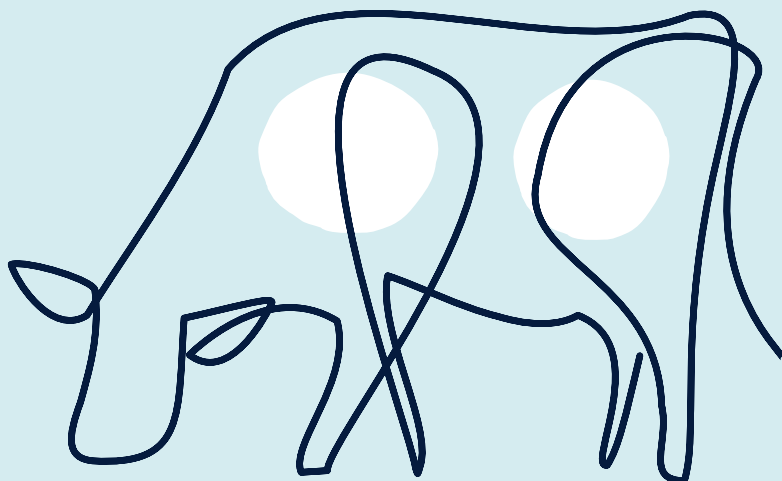
The materials have been revised by Kimberlin Education and Dairy Australia and a second edition released in 2018.

Dairy Australia would like to acknowledge and sincerely thank the teachers who shared their comments on the draft version of the educational resource.

While reasonable efforts have been made to ensure that the contents of this educational resource are factually correct, Dairy Australia does not accept responsibility for the accuracy or completeness of the contents, and shall not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance on, the contents of this educational resource.

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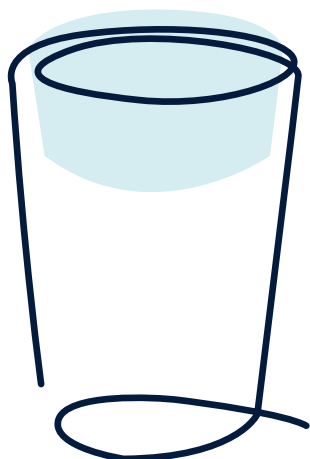
RESOURCE DESCRIPTION



These Year 3 activity ideas have been developed to help students investigate and understand more about the Australian dairy industry. Teachers are provided with suggested activities for different learning areas within the Australian Curriculum that support the teaching of curriculum links through the theme 'From Farm to Plate'.

We encourage teachers to assess the needs of their class, adapting the content and activities accordingly. The activities provided aim to spark student curiosity and inspire them to generate their own questions to investigate. The activities can be used as stand alone teaching ideas, incorporated into an existing program or used to support other inquiry units and resources found on the [Discover Dairy](#) website.

Top tip – Use the Discover Dairy website to support the following activity ideas and learn more about dairy regions and farming.



ENGLISH ACTIVITY IDEAS

- Get your students to research the theme **From Farm to Plate**, encourage them to add words to a word wall to use in their daily grammar and spelling activities. Students can create their own spelling activities for other students in the class to solve.
- Students write a creative narrative from the perspective of a farmer. Encourage students to imagine they are a farmer and write about a day in their life.
- Choose a topic to research within the theme of dairy farming. For example:
 - ~ How farmers care for their animals
 - ~ Technology used on dairy farms
 - ~ Jobs to be done on the farm
- Students then write an information report using the information they have gathered from a variety of sources. Students must check their work and highlight the modal verbs they have used. For example, 'must' 'might' 'could'. Discuss how these words impact on the information communicated.
- Watch the video [A window into the World of Dairy](#) on the Discover Dairy website. Ask students to choose a particular topic presented and make notes about the information as they are watching. Using their notes students then create and deliver a presentation explaining the information to the class, either through a speech, poster or digital presentation.

Curriculum links

Language

Examine how evaluative language can be varied to be more or less forceful ([ACELA1477](#))

Understand how different types of texts vary in use of language choices, depending on their purpose and context (for example, tense and types of sentences) ([ACELA1478](#))

Literature

Draw connections between personal experiences and the worlds of texts, and share responses with others ([ACELT1596](#))

Create imaginative texts based on characters, settings and events from students' own and other cultures using visual features, for example perspective, distance and angle ([ACELT1601](#))

Literacy

Listen to and contribute to conversations and discussions to share information and ideas and negotiate in collaborative situations ([ACELY1676](#))

Plan and deliver short presentations, providing some key details in logical sequence ([ACELY1677](#))



SCIENCE ACTIVITY IDEAS

- Students investigate fats and proteins found in milk by covering the surface of a plate with milk. Students add 3–4 drops of food colour to the milk ensuring the colours don't touch. Instruct them to dip a clean cotton wool tip in the milk and note their observations. Students then dip a cotton wool tip covered in dish washing liquid in the milk near the food colouring. Students make a note of their observations and discuss possible reasons for what they see. (Explanation – milk is mostly water, but it also contains vitamins, minerals, proteins and tiny droplets of fat. The soap weakens the chemical bonds that hold the proteins and fats in the solution causing the colour bursts observed.)
- Students work in groups to design their own experiment using milk or other dairy products to test a hypothesis. Encourage students to think about what they could test using dairy products. Discuss with students what they will need to do to in order to carry out a fair test.
- Students brainstorm and discuss items they would find on a dairy farm. Use information, pictures and videos from the Discover Dairy website to help make a list. They then work together in small groups to categorise the list into sub areas such as 'living' and 'non-living' things. Students present their answers to the class and justify why they categorised the information in the way they did.
- Discuss what experiments farmers might carry out on their dairy farms and why. Would these be formal or informal experiments. What might they need to discover and if they could not conduct experiments on the farm, what might they need to do to determine the answers?

Curriculum links

Biological sciences

Living things can be grouped on the basis of observable features and can be distinguished from non-living things (ACSSU044)

Physical sciences

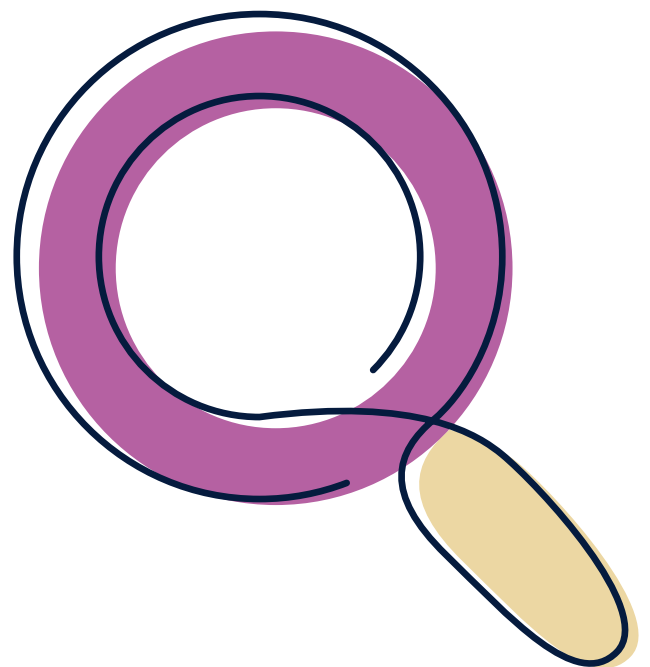
Heat can be produced in many ways and can move from one object to another (ACSSU049)

Use and influence of science

Science knowledge helps people to understand the effect of their actions (ACSHE051)

Questioning and predicting

Represent and communicate observations, ideas and findings using formal and informal representations (AC SIS060)



HUMANITIES AND SOCIAL SCIENCES ACTIVITY IDEAS

- Watch the video chapter [History of Australian dairy farming](#) from the Discover Dairy website. Encourage students to devise further questions about the history of dairy farming of which answers were not found in the video. Students work in small groups to research the answers to their questions then create their own video of the history of Australian dairy farming using a video editing app or program.
- Use pictures and stories of farming families from the Discover Dairy website to discover their stories. Students find similarities and differences between themselves and the members of the family.
- Students investigate different climates of the world, particularly the climates of dairy regions. They then compare and contrast the similarities and differences. Students choose another country with a strong dairy industry and create a presentation to explain the similarities and differences between the country and Australia's dairy industry.

Curriculum links

History

How the community has changed and remained the same over time and the role that people of diverse backgrounds have played in the development and character of the local community ([ACHASSK063](#))

Geography

The main climate types of the world and the similarities and differences between the climates of different places ([ACHASSK068](#))

The similarities and differences between places in terms of their type of settlement, demographic characteristics and the lives of the people who live there, and people's perceptions of these places ([ACHASSK069](#))



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