

Brownes
dairy



ACTIVITY BOOKLET

Year Six



Learning Activities

English

Write a creative story from the perspective of someone in the dairy industry. This could be an historical account (cows being brought to Australia on the First Fleet) or local (a known dairy farmer or dairy farming family). In preparing for this activity, students are to research facts to be used as an insight to tell a story from another person's perspective.

Students investigate the production of another dairy product. Students can integrate a variety of technology to present their investigation on the process.

Organise a debate on the following topic:

The dairy industry should work towards a zero environmental footprint by conserving, restoring, and replacing the natural resource used in its operation.



Learning Activities

Science

Investigate cow trackers to check on animals, testing milk or the use of different kinds of feed for animals. Students investigate how the physical environment can affect the choices farmers make.

Research the climates of dairy farm regions in Australia:

- compare and contrast the similarities and differences of different regions across Australia.
- the affect that extreme weather events, such as drought, can impact on dairy farming and production.
- how does this impact compare with extreme weather events in dairy regions in other parts of the world?

Investigate the way solids, liquids and gases change in accordance with different environmental variables such as heating and cooling:

- use dairy foods as a stimulus for this activity.
- use dairy foods such as milk, butter, cheese and/or yoghurt to decide on a method to test a hypothesis relating to how dairy foods may change.
- test to determine whether the changes are reversible or irreversible.



Learning Activities

Humanities and Social Sciences

Investigate Australia's dairy product export industry:

- Place Australia's dairy industry export locations on a map of the world.
- Explain the impact exporting has on our economy, and
- Discuss the relationships Australia has, in the dairy product export industry, with other countries.

Investigate how the dairy industry is involved in the primary, secondary and tertiary industry sectors in Australia. Divide the class into three groups and allocate a sector to each group. Students use information from a range of sources to explore the primary production (milk on the farm), secondary production (processing and production) and tertiary production (distribution process).

Research livestock management practices in the dairy industry.

Using water recycling, illustrate how dairy farmers care for the land.

Using the nutrient cycle, illustrate showing how dairy farmers care for the land.

Research the dairy industry's impact in Australia through water use and quality and greenhouse gas emissions.