

Farm Resources

Main idea: Investigate natural & human made farm resources (water, soil, machinery, people, technology, buildings, roads, communities). Focus on relationships between all resources and how they change over time and farmers stewardship of the land. Establish the importance of having enough food and fibre for everyone. The food must also be safe and good to eat.

Stage	Learning Experiences	Resources & Outcomes
ES1 & Stage 1	<ul style="list-style-type: none"> Discuss the difference between natural & human made resources. Students complete 'Natural or Human Made?' to show understanding. View a range of 'machinery images' (including transport) via 'LandLearn Images'. Encourage students to sort into categories and explain their reasons. Complete 'Farm & City Resources' to show understanding of resources that are only used in one setting. Discuss resources that are used in both. Compare and contrast images of old farming machinery with today's and explore the idea that innovative design by Australians since colonial times has improved production. 	<p>'Natural or Man-Made?' activity</p> <p>'LandLearn Images' Flickr</p> <p>'Farm & City Resources'</p> <p>HIST:HT1-1 S&T:STe4WS/STe10ME, ST1-11LW/ST1-14BE ENG:ENe-1A, EN1-1A</p>
Stage 2	<ul style="list-style-type: none"> Complete the 'Apple Activity' (page 29) to demonstrate the small proportion of land available for food and fibre production. Establish that farmers today use less land to produce more food and fibre than ever before and that this is due to new and innovative farm machinery. Students research the first garden at Sydney Cove, the livestock that arrived on the First Fleet and early farming around Parramatta that saw the beginning of the Merino Sheep and McArthur's role. Students then research current sheep livestock facts and discuss how technology has increased the wool quality and quantity produced off each sheep. Read and discuss 'Food for Pioneer Settlers'. Establish that farming has changed from self-sufficiency to feeding the nation. 	<p>'Apple Activity' on-line downloadable publication</p> <p>'Food for Pioneer Settlers' activity</p> <p>ASSESSMENT TASK/Project Based Learning Y3-Poem to Thank a Farmer</p>

- Year 3 **ASSESSMENT TASK:** Thank a farmer for working the land
- Discuss climate v/s weather to understand climate is about long-term records, trends and averages but weather is the day to day experience. Locate current and historical climate data on one chosen area from the '**Bureau of Meteorology**' site to demonstrate the changing climate.

['Bureau of Meteorology'](#) web site

HIST:HT2-1/HT2-4

S&T:ST2-9ES

ENG:EN2-1A

Stage	Learning Experiences	Resources & Outcomes
Stage 3	<ul style="list-style-type: none"> • Complete the 'Apple Activity' to demonstrate the small proportion of land available for food and fibre production. • Research a definition for '<i>sustainable farming</i>', with a focus on wind & water technologies. • Watch YouTube: 'The Greatest Story Never Told' about Australian Agriculture from Year of the Farmer which gives statistics about Aust. Farmers' productivity and Agriculture's contribution to GDP. • Review 'History of Dairy' and 'GPS Auto-steering Guidance' to see how technology has changed and then investigate a variety of Australian inventions such as the Stump Jump plough from 1846, the Aboriginal featured on the \$50 note with his sheep shearing clippers, how fences replaced shepherds, how the tractor replaced horses, electric fencing and the Sunshine Harvester. • Choose one Australian agricultural invention of interest to research the inventor behind the product and the improvement to society from its production. • Allow students time to visit the 'Farming Simulator 2012 Silage'. • Year 6 ASSESSMENT TASK: Farming Innovation over Time. Create a PowerPoint showing how one farming industry has changed over time due to technology. Look at how quality and quantity of products has changed at the same pace and discuss why. Consider the sustainable practices evident in these industries. 	<p>'Apple Activity' on-line publication</p> <p>'The Greatest Story Never Told' YouTube</p> <p>'History of Dairy' web site</p> <p>'GPS Auto-steering Guidance' YouTube</p> <p>'Farming Simulator 2012 Silage' YouTube</p> <p>ASSESSMENT TASK/Project Based Learning: Y6 Farming Innovation over Time -PowerPoint</p> <p>HIST: HT3-1/HT3-3 S&T: ST3-16P ENG:EN3-8D</p>