

# Year 6 Competition Brief

## Farming Innovation over Time - PowerPoint

Human civilization relies on agriculture. When our ancestors thought of settling and growing our own food, farming was born. Because of agriculture, not only towns and cities flourished, but also knowledge and technology. Today, farming has changed from self-sufficiency to feeding the nation and beyond, highlighting the importance of having enough food and fibre for everyone. The food must also be safe and good to eat.

Research some innovative farming technologies that have revolutionised sustainable farming practices and improved productivity over time; such as GPS Auto-steering, the Stump Jump plough from 1846, David Unaipon who is an Aboriginal man featured on the \$50 note with his sheep shearing clippers, how fences replaced shepherds, how the tractor replaced horses, electric fencing or the Sunshine Harvester.

Choose one invention or industry that interests you and conduct in-depth research. Organise your information into a matrix, timeline or flow chart. Suggested headings could be;

- How was the product farmed before technology
- Early technology in the industry
- The change of technology over time
- Who invented or adapted new technology and why
- The benefits of the industry or invention to the community
- How technology has changed jobs in agriculture
- The effect of technology on quality and quantity of product
- Why the technology has improved sustainable farming

## The Competition

Create a PowerPoint showing how one farming industry has changed over time due to technology. Investigate and report on individuals or groups who have invented or modified farming technology that has improved farming practices and productivity. 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 due to new technologies. PowerPoint must be individual work – Maximum length 12 slides.

See Farming Innovation Over Time Rubric for Assessment Criteria.  
Competition Rules and Guidelines form part of the Assessment Criteria.

Name \_\_\_\_\_

Date \_\_\_\_\_

## Farming Innovation over Time Rubric

Criteria	1	2	3	4	Points
<b>English - Structure &amp; Organisation</b> Detailed subject matter showing extent of knowledge and timeline of events using well-structured text and language for intended audience	Little or no information on subject matter. Includes more than 5 grammatical errors, misspellings, punctuation errors, etc.	Includes some essential information with few facts or details. Includes 3-4 grammatical errors, misspellings, punctuation errors, etc.	Includes essential information and enough elaboration to give readers an understanding of the topic. Includes 2-3 grammatical errors, misspellings, punctuation errors, etc.	Covers subject matter completely and in depth. Encourages readers to learn more. Grammar, spelling, punctuation, capitalisation and sentence structure are correct.	/12
<b>Science &amp; Technology</b> Concepts and language relating to sustainable farming practices and contribution of individuals and groups in food production technology	No science specific sustainable farming connection. No scientific language. No individual or groups identified.	Inaccurate science connection to sustainable farming. Some scientific language. One individual or group identified with no supporting facts.	Science connection to sustainable farming accurate but scientific language could be further developed. One individuals or groups identified with supporting facts.	Science connection to sustainable farming properly explained using scientific language. One individual or group identified with in-depth facts and evaluation.	/12
<b>HSIE</b> Explains motivating factors for innovation over time. Examines how new technology has influence in the workplace.	Does not identify motivating factors for innovation and shows no connection to change in workplace due to new technology.	A straight-forward explanation of some motivating factors for innovation over time but little connection is shown on the influence of technology in the workplace.	A clear, logical explanation of the motivating factors for innovation over time and the influence of technology in the workplace but no elaboration.	An in-depth accurate explanation of the motivating factors for innovation over time with insight on how technology has influences the workplace.	/12

<b>Creativity &amp; Graphics.</b> Assemble pictures and text in a PowerPoint to show the influence of farming technology over time in a fluent & legible style that captures the audience's attention.	Not visually engaging, no variability. Few graphics that do not go with the accompanying text or appear to be randomly chosen. Text too small, large or illegible. No imagination shown in slide transition or timing.	Some visually engaging elements. Graphics go well with text, but there are too few or too many. Some thought of colour and text size. Basic slide transitions and timing.	Visually balanced. The graphics go very well with the text, and provide supporting information. Good use of colour and text is appropriate size. Slide transition or timing too fast, slow or distracting.	Visually balanced, engaging and stimulating. The graphics go very well with the text, and there is a good mix of text and graphics. Creative use of colour and text appropriate size that shows imagination. Good use of colour, slide transition and timing.	/12
Identification	No identification on back	Own name only on back	Own name & school name and address on back	Own name & school name and address clearly on back	/2
Total Points					/50

**NSW Syllabus Outcomes:** HSIE CCS3.1/SSS3.7 **S&T** PSS3.5 **ENGRS**3.5/RS3.6/WS3.9/WS3.12