



EDUCATOR RESOURCE : YEARS 4 – 6

This resource has been designed for middle-school educators (years 4-6) and connects specifically but is not limited to, the HASS, Science and Design and Technologies elements of the Australian Curriculum (see below for embedded website links).

Summary

Magnificent Makers tells eight stories of canny creations, daring discoveries and imaginative inventions that trace a path through Queensland's history since the late nineteenth century. These are stories of individuals and groups who applied ingenuity, innovation, perseverance and empathy to create preferred futures. Through these stories, students have opportunities to reflect on how society, times, available technology and culture shape our responses to problems and opportunities alike.

This resource, combined with a visit to the exhibition, encourages students to connect and empathise with the people behind the stories, considering just how determination and creativity might effect positive change in our world.

Plan your visit

<http://www.slq.qld.gov.au/whats-on/school-and-group-tours>

Exhibition Activity

Diary of a Maker

This activity has been designed to complete in the exhibition space or as a reflective activity back at school. Print out the **Diary of a Maker** template (PDF format, one per student).

Students select one of the stories featured in the exhibition and consider how social, ethical, technical and sustainability considerations influence the design of solutions to meet a range of needs ([Technologies Achievement Standard, Years 5-6, ACARA, 2017](#)).

Curriculum links

The *Diary of a Maker* activity connects specifically to, but is not limited to the following:

Australian Curriculum Elements

[Technologies \(Design and Technologies\) Knowledge and Understanding](#)
[Humanities and Social Sciences \(HASS\) Inquiry and skills](#)
[Science \(Science as a Human Endeavour\) The use and influence of Science](#)

General Capabilities

[Literacy](#)
[Critical and Creative Thinking](#)



Consider extending your visit to *Magnificent Makers* in the classroom by

HASS: Group students in pairs (who selected the same Maker) and **investigate** life in Queensland at that time and consider what made that Maker unique. **Ask** students to consider: Were they risk-takers, tinkerers or entrepreneurs? Did they have to rise above gender or racial stereotypes? Were they empathy or research driven?

Design and Technologies: Individually **develop** the sketch at the bottom of the diary (for Wayne Denning use Future-Thinking to imagine *what next...*). Annotate sketches describing the needs and opportunities behind the idea, incorporate technologies and discuss preferred futures. **Make** a prototype of this idea using recycled and craft materials or plasticine. **Share** knowledge by presenting these ideas and the stories of their Maker to peers.

Further Reading and Resources

To familiarise yourself or revisit the stories from *Magnificent Makers* with your students be sure to visit

www.makers.slq.qld.gov.au for access to:

- descriptions of each 'Magnificent Maker'
- portraits of each 'Maker' and objects related to their story
- full room brochure with extended exhibition information and content list, all searchable through SLQ's OneSearch catalogue available on the home page (<http://www.slq.qld.gov.au/>)
- digital stories on four 'Magnificent Makers', also available through SLQ's OneSearch catalogue
- TV and old newsreel footage to view together in class