



## 2023 Resource Book links

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### First Nations connections

- Narragunnawali <https://www.narragunnawali.org.au/>
- Australians Together <https://australianstogether.org.au/professional-learning/>
- The National Museum of Australia <https://www.nma.gov.au/learn/professional-learning>
- The First Scientists <https://www.hardiegrant.com/au/publishing/bookfinder/book/the-first-scientists-by-corey-tutt/9781741177527>

### Activities for all levels

- Humanoid robot <https://www.australiancurriculum.edu.au/resources/aboriginal-and-torres-strait-islander-histories-and-cultures/illustrations-of-practice/what-do-a-humanoid-robot-and-the-recently-awakened-narungga-language-have-in-common/?searchTerm=coding%23dimension-content>
- How binary works <https://www.youtube.com/watch?v=M41M9ATm49M>
- Facts on plastic <https://www.dcceew.gov.au/environment/protection/waste/publications/national-plastics-plan-summary>
- Samsara Eco <https://www.samsaraeco.com>
- Advanced Circular Polymers <https://www.acpolymers.com.au>
- ULUU <https://www.uluu.com.au>
- History of plastics <https://www.sciencehistory.org/the-history-and-future-of-plastics>
- Responsible innovation <https://www.ukri.org/about-us/policies-standards-and-data/good-research-resource-hub/responsible-innovation/>
- Plastic pollution data <https://ourworldindata.org/plastic-pollution>
- Plastic waste infographic <https://marinedebris.noaa.gov/images/plastics-ocean-infographic>
- Citizen science tools <https://research.csiro.au/ending-plastic-waste/resources/citizen-science-and-educational-tools/>

## Activities for Foundation to Year 2

- Robots harvesting raspberries <https://www.freethink.com/hard-tech/harvesting-robots>
- Robotic farming <https://www.youtube.com/watch?v=NO8PmqEI0cc>
- Creating the perfect farm <https://www.youtube.com/watch?v=xFqecEtdGZ0>
- How sensors measure soil moisture  
<https://www.youtube.com/watch?v=v43TLAwB6qQ>
- Robotic dairy farm <https://www.denmarkag.wa.edu.au/the-college/college-farm/dairy/>
- Farmers using space technologies <https://www.youtube.com/watch?v=BG-Yevg46g>
- Space cows <https://vimeo.com/603491130>

## Activities for Year 3 to Year 6

- iMapPESTS data <https://imappests.dtfx.com.au/dashboard/graphs/deployment/46>
- iMapPESTS video <https://www.youtube.com/watch?v=PuZ1vJEJjOc>
- Sentinel units <https://www.c4abs.au/projects/sabq/>
- Fruit flies <https://www.agriculture.gov.au/biosecurity-trade/pests-diseases-weeds/plant/fruit-flies>
- Brewarrina fishtraps [https://www.youtube.com/watch?v=KF\\_Nvqu8MqM](https://www.youtube.com/watch?v=KF_Nvqu8MqM)
- Fish and eel traps <https://www.youtube.com/watch?v=QOkCCNNCt1M>
- Hot air balloons <https://www.youtube.com/watch?v=0q9NYS83bDA&t=84s>
- Dr Adele Morrison <https://www.youtube.com/watch?v=6ONpqL8fpZE>
- Energy project decisions <https://theconversation.com/amp/why-aboriginal-people-have-little-say-over-energy-projects-on-their-land-139119>
- First Nations Clean Energy Network <https://www.firstnationscleanenergy.org.au>

## Activities for Year 7 to Year 10

- Water pump <https://www.youtube.com/watch?v=jORMsdg9oAo>
- Smart irrigation <https://www.youtube.com/watch?v=LaAmqPeO1Zs>
- International Space Station water filtration <https://tinyurl.com/mrxt29f9>
- Contaminated water <https://www.abc.net.au/news/2018-08-27/an-aboriginal-teen-decides-to-try-fix-contaminated-water/10133842>
- Space poster [https://www.industry.gov.au/sites/default/files/2022-11/why\\_does\\_space\\_matter.pdf](https://www.industry.gov.au/sites/default/files/2022-11/why_does_space_matter.pdf)
- Purple House <https://www.purplehouse.org.au>
- Speedx <https://www.youtube.com/watch?v=D6cCiS6R3T0>
- Pip Karoly <https://www.youtube.com/watch?v=aHksZ5ud4mY>