



Teacher Guide	<h1>Inventions</h1>
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Introduction

This activity focuses on aspects of inventions that have contributed to making life easier, more efficient or more sustainable. Inventions are considered as potential solutions to problems. Inventions can be analyzed in terms of how effectively they provide a solution to a particular problem. It is important to consider the total cost of the solution in judging effectiveness. Ideas for improved solutions to problems can be found by analyzing previous solutions closely.

Focus questions


From **a technological** point of view:

1. How well does the object perform its designed purpose?
2. What objects do we use today that fulfill a similar purpose?
3. Compare the performance of today's solution with yesterdays.

From **as an agent for social change** point of view:

1. Why was this object invented? How did it make life better for its user?
2. What are some of the advantages and disadvantages of using this object?
3. What would life be like now if this object had not been invented?

Exhibitions (QM South Bank)

Exhibition	Items
Water Wings Wheels	Hartnett
	Aero engines
	Horseless carriage
	Buggy and sulky
	Steam engine
	Fire brigade truck
	Fire brigade bicycles
	Motor cycles
	Aircraft
Discover Queensland	Hand tools <ul style="list-style-type: none"> • Shears • Cane knives • Sextant
Inquiry Centre	Aboriginal musical instruments
	Domestic objects
	Personal objects
dandiiri maiwar 	A range of cultural and domestic artefacts

Object analysis: *inventions*

Analysis	What you think	What I would like to know
<p>Features</p> <p><i>What is it?</i></p> <p><i>Describe, draw or photograph* your object it.</i></p>		
<p>Construction</p> <p><i>How was your object made?</i></p> <p><i>What materials were used to make your object?</i></p>		
<p>Purpose</p> <p><i>What was the main use for your object?</i></p>		
<p>Design</p> <p><i>What special features does it have to make it work?</i></p>		
<p>Function</p> <p><i>How well do you think it worked?</i></p>		
<p>Value</p> <p><i>How important was this object to the user?</i></p>		
<p>History</p> <p><i>What have we learned from this object about how to do things better?</i></p>		



For cultural reasons, photography is NOT allowed in dandiiri maiwar exhibition.