# **Singapore statistics**

# Lesson objectives

▶ Interpreting statistical data from the Singapore Census, and creating various graphs to visually display information

# Lesson plan

#### Introduction

In pairs, students have three minutes to find two examples of a demographic graph using a search engine and typing key words.
 As a class, discuss what kind of visuals and graphs are included, and which graphs they prefer and why.

#### Development

- Students explore Singapore population statistics at <https:// tinyurl.com/ycds7lzw>. Data is presented in various tables and students are required to extract data and transfer it to the tables on page 35. Students then draw various graphs using an app (Pages). Students will focus on the information regarding number of residents, ethnic composition, religions and languages spoken. Any extra information, such as marital status, sex ratio or median age can be extracted and made into a graphic. R A
- ▶ In pairs, students compile the graphs onto a page in the app and print them out, email the document to the teacher, or submit them to a class website. <sup>C</sup>
- Students write three questions each that can be answered using the graphs, then have their partner answer the questions.
  Q C
- As a class, discuss the various formats, which show the data more clearly, and the advantages and disadvantages of different graphs. c

#### Conclusion

► As a class, discuss how different Singapore is compared to Australia. How different are the religions and languages? What other data would you be able to create a graph from?

# Resources

- iPad/tablet/computer, printer
- ▶ Pages (app)
- Singapore population statistics at <https://tinyurl.com/ycds7lzw>
- ▶ Page 35



# **Curriculum links**

#### HASS Knowledge and Understanding

The world's cultural diversity, including that of its indigenous peoples (ACHASSK140) (AC

### HASS Inquiry and Skills

Questioning Q	Researching <b>R</b>	Analysing 🗛	Evaluating and reflecting	Communicating Ç
• Composes questions based on graphed data	<ul> <li>Identifies keywords to search for examples of demographic graphs/images</li> <li>Collects information from online census data and transfers it to a table</li> <li>Organises and represents data as a graph of their choice</li> </ul>	<ul> <li>Analyses which graphics serve their purpose better than others</li> <li>Interprets data and graphic representations to identify and compare patterns in the cultural diversity of Singapore</li> </ul>	<ul> <li>Evaluates and connects evidence from statistics to draw a conclusion about Singapore's diversity</li> </ul>	<ul> <li>Uses accurate terms to answer questions</li> <li>Presents findings as a digital document using an app (Pages) that can be printed, emailed or uploaded</li> </ul>

# Singapore statistics

- 1. Go to <https://tinyurl.com/ycds7lzw> or scan the QR code to explore data from the Singapore Census from 2000 and 2010.
- **2.** Extract the following information from the data regarding number of residents, ethnic composition, religions and languages spoken.



**3.** Create an appropriate graph for each.

	Number of residents					
Year	Chinese	Malays	Indians	Others	Total	
2000						
2010						

	Ethnic composition (%)					
Year	Chinese	Malays	Indians	Others	Total	
2000	•					
2010						

	Religion (%)					
	Chinese	Malays	Indians	Others	Total	
Christianity	•					
Buddhism	•					
Taoism	•					
Islam	•					
Hinduism	•					
Other religion	•					
No religion	•					

	Language most frequently spoken at home (%)					
	Chinese	Malays	Indians	Others	Total	
English						
Mandarin						
Chinese dialects						
Malay						
Tamil						
Others						
No religion						