Flying overseas

Lesson objectives

- Comparing an interactive map of Emirates flights and a flight timetable of QANTAS flights to explore common flight paths between cities in Australia and cities in Africa
- Understanding that flight paths can be direct from one city to another, or may require stopovers in other cities

Lesson plan

Introduction

- As a class, display the interactive map at <https://www.flightconnections.com/>. Explain that each dot on the map represents an airport. Click on Cairns in Queensland, Australia, to view direct flights from Cairns to other places. Hover the mouse over each connecting city to see it's name. Can you take a direct flight from Cairns airport to a city in Africa? R A
- Using the search bar at the top of the interactive map, type Cairns (Australia) as the departing city and Cape Town (South Africa) as the arrival city. In pairs, students describe the path shown, including the stop-over cities. How many stopovers would you make between Cairns and Cape Town? R A

Development

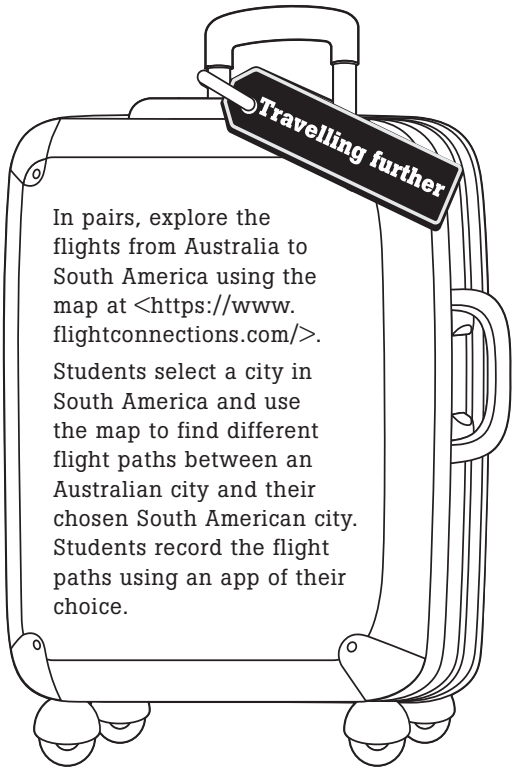
- In pairs, students use the QR codes or URLs on page 15 to compare the flight paths that Emirates planes and QANTAS planes take to Africa. Students explore the cities in Australia that these flights depart from, the cities in Africa that these flights arrive at, and whether they are direct flights or require stopovers. Students then use their recorded information to answer the questions at the bottom of the page. R A ER
- Individually, students use Google Earth™ to select a country in Africa and locate the name of it's capital city. Students then use the website <https://www.flightconnections.com/> to find the flight path between their nearest capital city in Australia and their chosen city in Africa. Students screenshot the map and insert it into a presentation app (ShowMe). Students then add an oral description of the flight path, including any stopover cities. C

Conclusion

- In pairs, students compare their presentations showing flight paths from an Australian city to a city in Africa. Do the flights travel in the same direction from Australia to Africa? Do the flights cross over any oceans? How many stopovers are made on each flight and where are these stopovers? ER

Resources

- Interactive map—Flight connections at <https://www.flightconnections.com/>
- Page 15
- iPad®/tablet with QR scanner and presentation app (ShowMe)
- Google Earth™—Africa



Curriculum links

HASS Knowledge and Understanding

The main characteristics of the continents of Africa and South America and the location of their major countries in relation to Australia **(ACHASSK087)** AC

HASS Inquiry and Skills

Questioning Q	Researching R	Analysing A	Evaluating and reflecting ER	Communicating C
	• Locates and collects information from interactive maps and a table • Records, sorts and represents data using a table	• Interprets cartographic information from maps showing flight paths • Interprets information presented in a table to find flight paths between cities in Australia and Africa	• Draws simple conclusions from their table to answer questions about the flight paths that Emirates and QANTAS offer	• Communicates understanding using a presentation app

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Flying overseas

1. Scan the QR codes or use the URLs to explore flight paths from Australia to Africa. Navigate the websites then record key information in the table.

	Emirates flights Australia ➜ Africa <https://tinyurl.com/y7h7t6je>	**QANTAS** flights Australia ➜ Africa <https://tinyurl.com/yctol96u>
Departure cities (Australia)		
Arrival cities (Africa)		
Direct flights		
Stopover cities		

2. (a) Does Emirates or QANTAS offer a direct flight from Australia to Africa?

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(b) The majority of flights from Australia to Africa stopover in which city?

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(c) In which direction do Emirates planes fly from Australia to Africa?

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(d) Do you think QANTAS planes fly in the same direction as Emirates planes from Australia to Africa? Explain your reasoning.

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