# Chinese – Stage 5 – planning a trip to China

## Introduction

This resource provides an example of how numeracy can be embedded into teaching and learning programs in a meaningful, stage-appropriate way. It can be modified to suit your context, including the needs of your students.

## Syllabus outcomes

**ML5-UND-01** analyses and responds to information, ideas and perspectives in a range of texts to demonstrate understanding

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## Language structures

* 从……到……有多远？……[number in Chinese]公里。
* ……需要花多少钱？需要花……[number in Chinese]澳币。
* ……[number in Chinese]澳币相当于……[number in Chinese]人民币。
* 中国和澳洲相差……[number in Chinese]小时。

## Numeracy skills

### Proportional thinking

Students:

* calculate the distance between places using a map scale (PrT4)
* convert between the Australian dollar and the Chinese Yuan using exchange rates (PrT5).

### Understanding money

Students estimate living expenses while travelling overseas, within a set budget (UnM7).

### Measuring time

Students:

* understand time zones
* calculate the length of time doing events such as flying and travelling between places (MeT4)
* interpret and use plane, train and bus timetables (MeT4)
* convert between units of time (MeT5).

### Positioning and locating

Students describe the order and location of cities they are visiting in China (PoL5).

### Understanding units of measurement

Students calculate distances between major cities (UuM8).

## Further numeracy resources

* [Converting 12- and 24-hour time](https://resources.education.nsw.gov.au/detail/TSM-08)
* [Calculating elapsed time](https://resources.education.nsw.gov.au/detail/TSM-06)
* [Calendars and timetables](https://resources.education.nsw.gov.au/detail/TSM-71)
* [Working with rates [PDF 202 KB]](https://drive.google.com/file/d/10CM6K5fb9UA8xIDbkSxYOueRtNrqo6FT/view)

## Student worksheet – planning a trip to China

Work in pairs or small groups to complete this activity.

* Use the following structures to discuss and plan:
* **从……到……有多远？……[number in Chinese]公里**。

How far is it from …  to …? … kilometers.

* **……需要花多少钱？需要花……[number in Chinese]澳币。**

How much does it cost? It costs ….

* **……[number in Chinese]澳币相当于……[number in Chinese]人民币。**

… Australian dollars is equivalent to … Renminbi.

* **中国和澳洲相差……[number in Chinese]小时。**

The difference between China and Austral is … hours.

* Research 3 major cities in China (Beijing, Shanghai and Xian) to find out the locations and distances between each city, and sightseeing activities, food choices and accommodation in each. Then work out the most suitable order to visit each city by not repeating travel between any of the cities. Consider:
* What order will you visit the Chinese cities in?
* How will you travel between each city?
* How long will it take to travel between each city?
* Identify the time zones of China and Australia. If you took a direct flight from Sydney airport on a Saturday morning to Beijing:
* What airline would you travel with?
* What time would you leave Sydney?
* How long will you spend on the plane?
* At what time will you arrive in Beijing?
* What time will it be in Sydney when you arrive in Beijing?
* You have a budget of A$6,000. Consider how much should you spend in each city, to allow for travel, accommodation, sightseeing and food.
* Calculate the approximate cost of expenses in each city, converting currency between Australian dollars and Chinese Yuan for your expenses in each city. How much will the total cost be in Chinese Yuan? Find out the exchange rate and work out the cost in Australian dollars.
* Make sure you allocate some money from your budget to purchase a souvenir from each city for a friend. Make a list of things you want to buy as souvenirs. Work out how much each item costs and record it in Chinese Yuan and Australian dollars. Finally, work out how much money you will have left over to bring home.

## References

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