

NAME:

# Life in Detention Centres

## CLIMATE GRAPHS

### WOOMERA, SOUTH AUSTRALIA

	JAN	FEB	MA	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Average temp (°C)	26.7	26.5	23.7	19	14.6	11.7	10.9	12.3	15.5	19	22.3	24.9	Average: 18.9
Average rainfall (mm)	15	19	12	12	20	14	15	14	14	16	16	14	Total: 181

### DERBY, WESTERN AUSTRALIA (CURTIN DETENTION CENTRE)

	JAN	FEB	MA	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Average temp (°C)	30.3	30	30.2	29.1	26.2	23.5	22.4	24.1	27	29.3	30.8	31.3	Average: 27.85
Average rainfall (mm)	174	171	98	26	21	6	8	0	0	1	10	47	Total: 562

### MANUS ISLAND

	JAN	FEB	MA	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Average temp (°C)	26.9	26.9	27	27	27.4	26.9	26.8	26.7	27.2	27.4	27.4	27.1	Average: 27
Average rainfall (mm)	291	268	317	306	256	322	337	307	249	270	296	290	Total: 3509

### NAURU

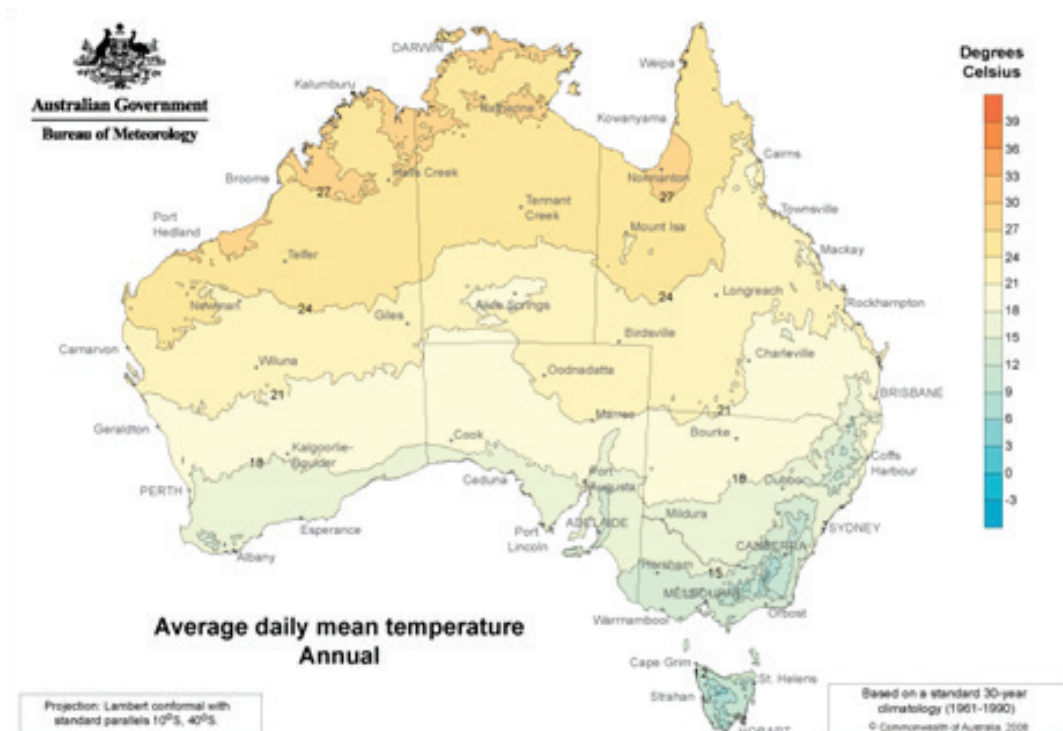
	JAN	FEB	MA	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Average temp (°C)	27.7	27.7	27.6	27.6	27.9	27.6	27.5	27.7	27.7	28	28	27.7	Average: 27.7
Average rainfall (mm)	284	250	206	203	129	111	145	139	116	104	115	254	Total: 2056



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# Life in Detention Centres

1. Create a climate graph for each of the locations listed on the previous page.
2. The climate data for Derby shows a relationship between rainfall and temperature. Briefly explain this pattern and reference specific months/numbers in your response.
3. What does the climate data tell you about the conditions on Manus Island? What would it be like to live in a detention centre in these conditions? What about Nauru?
4. The map below shows the average annual temperature of different parts of Australia. What do you notice about the average annual temperatures of the detention centre locations (from the climate data above) compared with the majority of Australia?



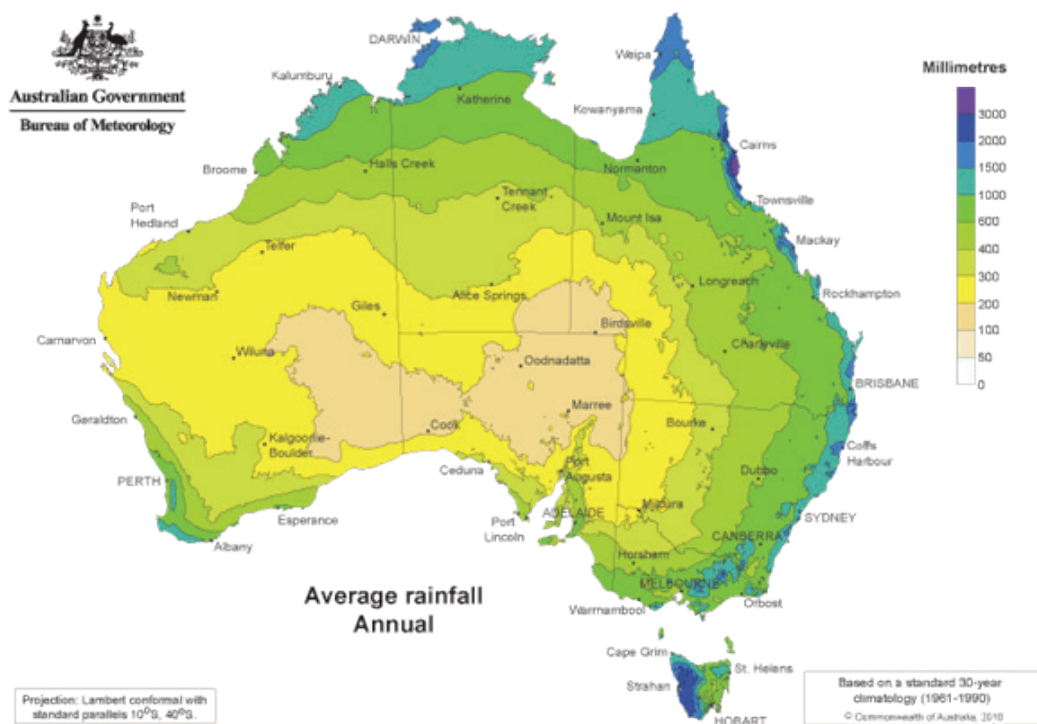
NAME:

## Life in Detention Centres

The map below shows the average annual rainfall of different parts of Australia. Compare this with the average annual rainfall of the detention centre locations.

5. Which detention centres receive high annual rainfall? Are there any parts of Australia that receive similarly high rainfall?

6. Which detention centres receive low annual rainfall?



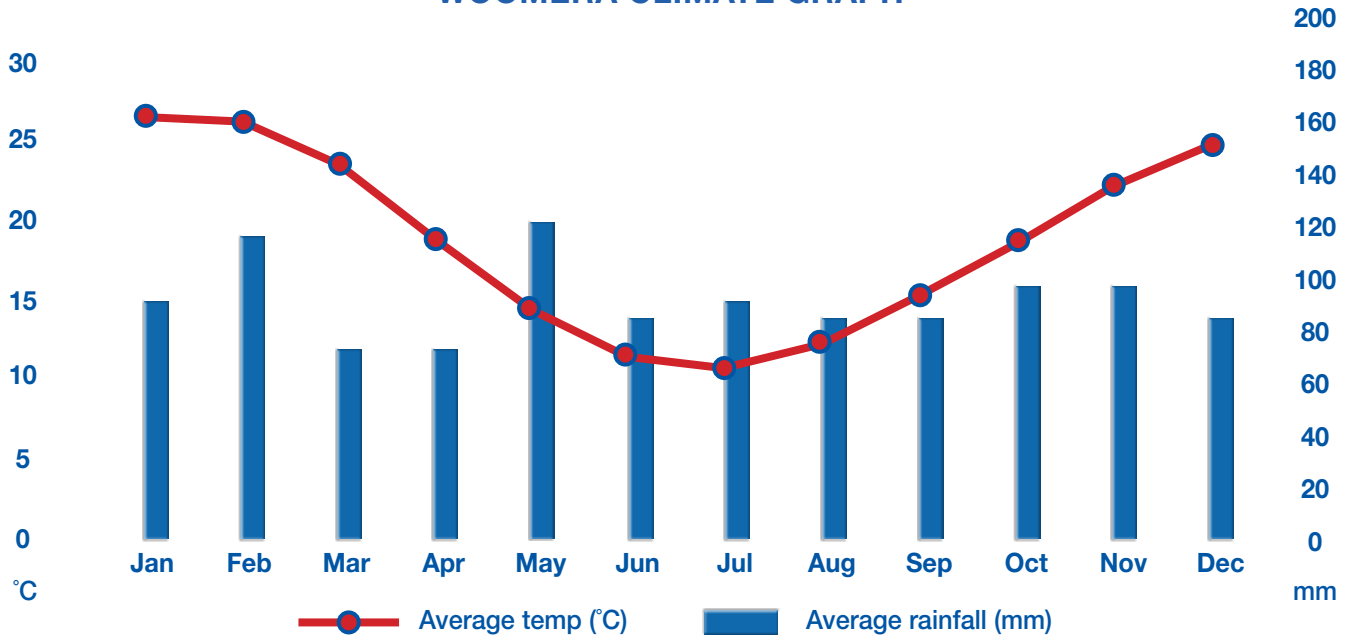
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7. After analysing the climates of the four detention centre locations, do you think any of them have favourable climates? Why/why not? Make specific reference to each location.

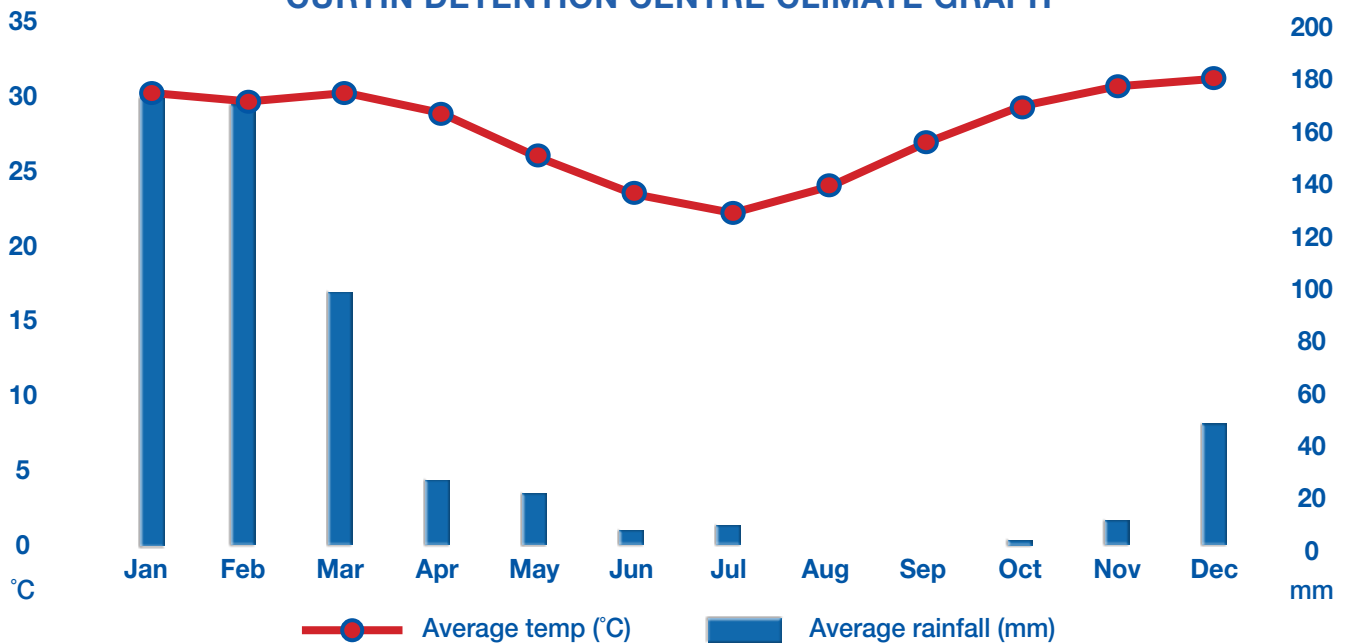
# Teacher Guide – Life in Detention Centres

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### WOOMERA CLIMATE GRAPH

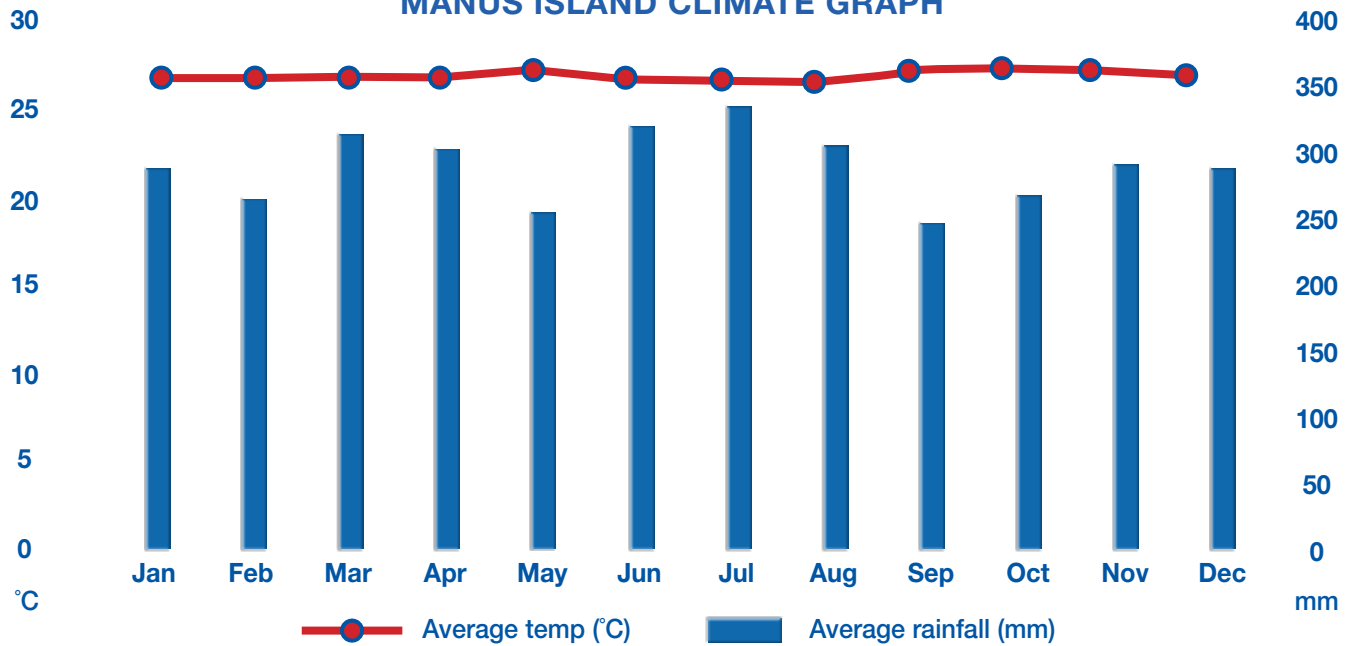


### CURTIN DETENTION CENTRE CLIMATE GRAPH

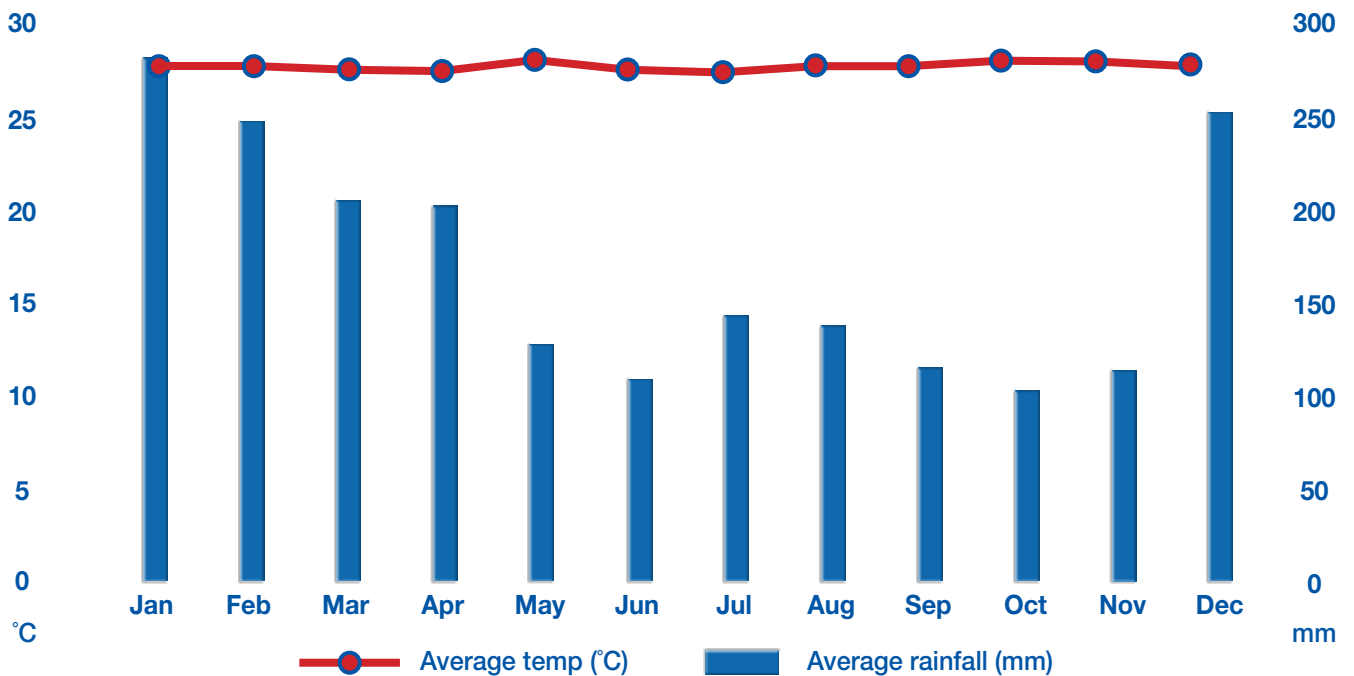


# Teacher Guide – Life in Detention Centres

## MANUS ISLAND CLIMATE GRAPH



## NAURU CLIMATE GRAPH



# Teacher Guide – Life in Detention Centres

2. The climate data for Derby shows a relationship between rainfall and temperature. Briefly explain this pattern and reference specific months/ numbers in your response.

The relationship between rainfall and temperature at Derby is that as the temperature rises, so does rainfall. Conversely, as the temperature drops, so does rainfall. This can be seen in January and February, which have temperatures of 30 degrees and rainfall of 170mm. As the temperature drops below 24 in June and July, rainfall drops to almost zero.

3. What does the climate data tell you about the conditions on Manus Island? What would it be like to live in a detention centre in these conditions? What about Nauru?

The climate data for Manus Island shows that there is heavy rainfall all year round. It also shows that the temperature rarely changes, hovering around 26-27 degrees. It would be unpleasant to live in a detention centre in these conditions as there is no relief throughout the year.

The conditions on Nauru are quite similar, though there is some relief from the rainfall in the middle of the year.

4. The map below shows the average annual temperature of different parts of Australia. What do you notice about the average annual temperatures of the detention centre locations (from the climate data above) compared with the majority of Australia?

With the exception of Woomera, the detention centres had an average annual temperature of above 25 degrees Celsius. The map below shows that the majority of Australia has an average annual temperature well below 25 degrees Celsius.

5. Which detention centres receive high annual rainfall? Are there any parts of Australia that receive similarly high rainfall?

The detention centres on Nauru and Manus Island received high annual rainfall, with over 200mm of rainfall in many months. Some places in Australia receive similarly high rainfall, particularly in Northern Queensland and Western Tasmania.

6. Which detention centres receive low annual rainfall?

Woomera received extremely low annual rainfall, while the Curtin Detention Centre received high rainfall in January and February, but minimal rainfall for the rest of the year.

7. After analysing the climates of the four detention centre locations, do you think any of them have favourable climates? Why/why not? Make specific reference to each location.

Students should come to the conclusion that none of the locations have favourable climates.

Woomera: Reasonable temperature but scarce rainfall.

Curtin: Reasonable rainfall but high temperatures.

Nauru: High temperatures all year and high rainfall.

Manus Island: High temperatures all year and extremely high rainfall.

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