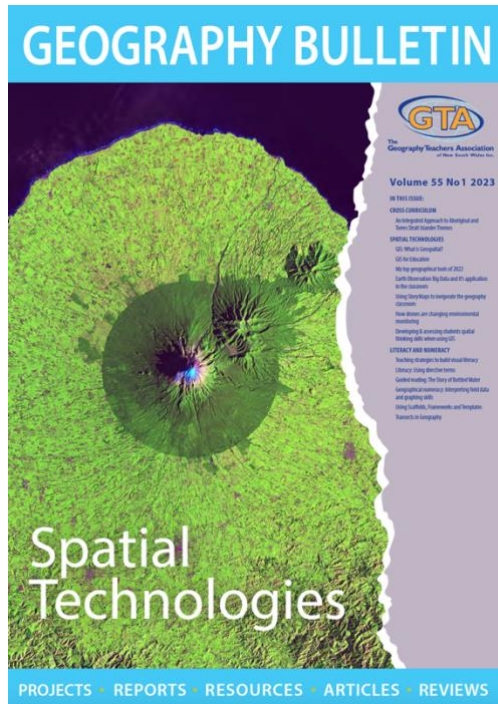


2023 Volume 53 No 1



Appendix 1: Landscapes and landforms – coastal fieldwork.

Appendix 2: Biomes Photo interpretation

Appendix 3: See Think Wonder template

Appendix 4: Thinking sheet - Urbanisation

Appendix 5: Buying denim jeans.

Landscapes and Landforms – Queenscliff Beach



Image Source:

<https://www.northernbeaches.nsw.gov.au/things-to-do/recreation-area/queenscliff-beach>

How was Queenscliff Beach formed?

You are working for [Geoscience Australia](https://www.geoscienceaustralia.gov.au/) and your task is to update their website on Australian Landforms by writing a short article on “How Queenscliff Beach was formed.”

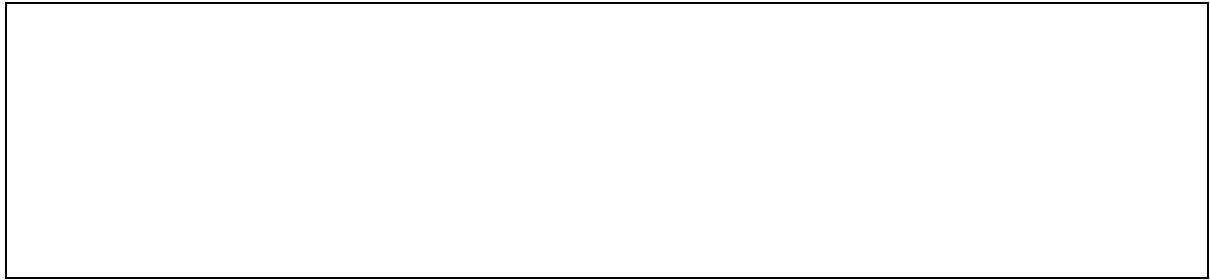
The length of the article is 300 words. Include your own annotated photos and annotated sketch map and screenshot from Google Earth in your article.

In your article include the following information:

1. Describe the nature of the landscape near Stella Maris College. Include:
 - a. The area’s topography (shape of the land)
 - b. Natural vegetation
 - c. The extent of the constructed environment (housing, transport, infrastructure, industry, commercial buildings and recreational spaces).

2. Include a Google Earth image of Queenscliff Beach and the surrounding environment.

3. Describe the location Queenscliff Beach.



4. Include a field sketch / annotated photos to assist with your description. In the field sketch and photos, label the following:
- natural and cultural features
 - features of erosional and depositional coastlines

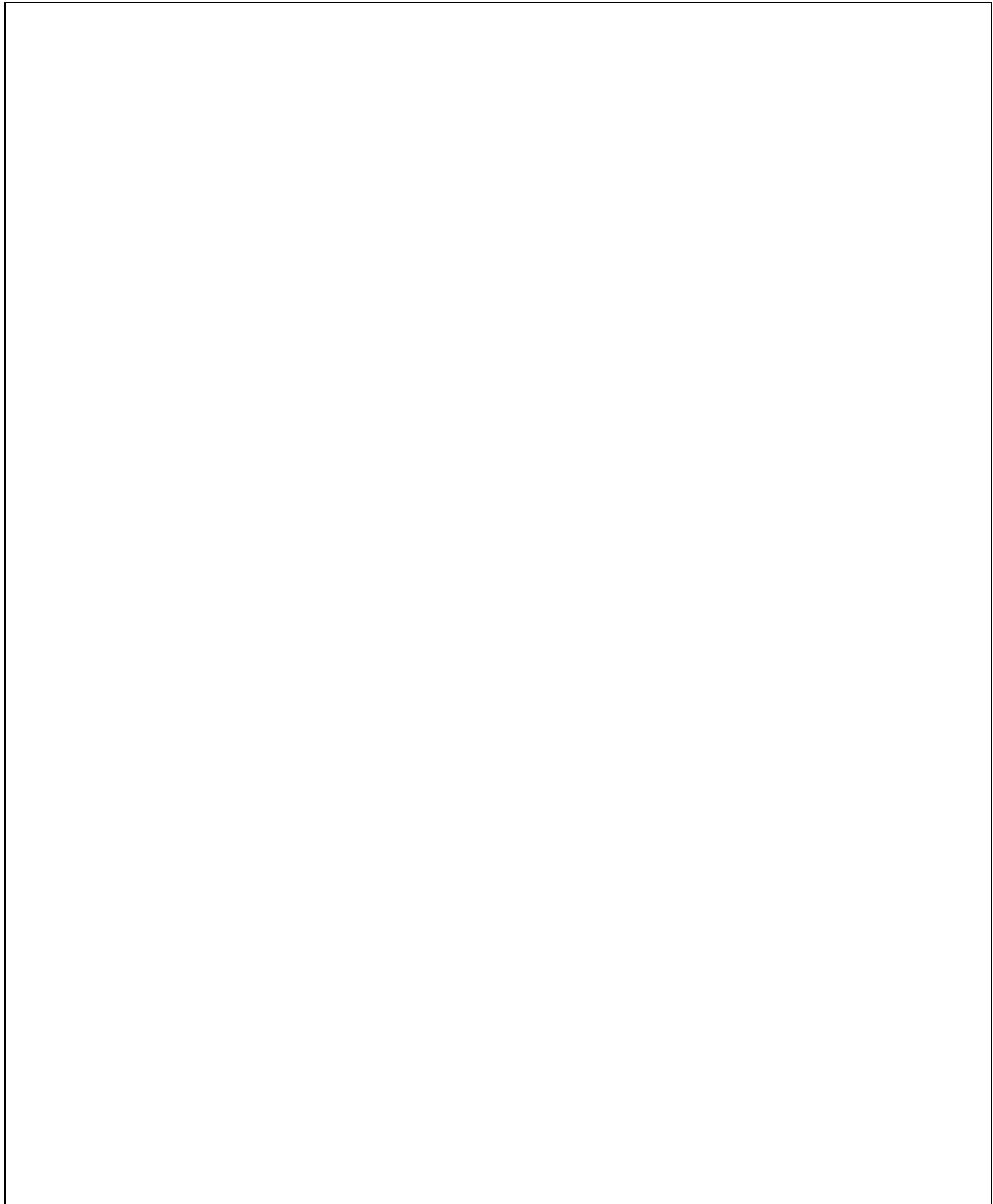
Field sketch



Annotated Photos

Geoscience Article

“How Queenscliff Beach was formed.”



References and further reading

Australian landforms and their history

<https://www.ga.gov.au/scientific-topics/national-location-information/landforms/australian-landforms-and-their-history>

Coastal Erosion

<https://www.ga.gov.au/scientific-topics/community-safety/coastalerosion>

Photo Interpretation

Examine the photo and complete the activities



A photo from a walk in the rain forest, close to the Research station La Gamba, Costa Rica
Image Source: <https://unsplash.com/photos/hUI4BrFKJEo>

1. Identify the Biome in the photo above. _____

2. Examine the image above and complete the See-Think-Wonder activity.

I see...	
I think ...	
I wonder ...	

3. What type of photo is shown?

- a. Oblique
- b. Satellite
- c. Vertical
- d. Ground level

4. Describe the characteristics of the Biome shown in the photo.

References

The See, Think, Wonder thinking routine was developed by Project Zero, a research center at the Harvard Graduate School of Education <https://pz.harvard.edu/resources/see-think-wonder>

See think Wonder Template - <https://thinkingpathwayz.weebly.com/seethinkwonder.html>

See Think Wonder



SEE

What do you see?



THINK

What do you think is going on?



WONDER

What does it make you wonder?

THINKING SHEET- *Urbanisation*

INITIAL THOUGHTS:

MY THOUGHTS:	
A PAIR OF THOUGHTS:	
A SQUARE OF THOUGHTS:	

CHANGING THOUGHTS (a response to stimuli):

--

HEAD QUESTIONING (as a square)...

Question...
Strategies to respond to this question...

Think-Pair-Square

Stage 5 - Changing Places

Topic - Causes and Consequences of Urbanisation

Think-Pair-Square is a variation of Think-Pair-Share. This activity was designed to be used before introducing a new concept or topic to tap into students' prior knowledge. In this instance, it fits in with Stage 5 Changing Places - causes and consequences of Urbanisation to ascertain how much the students know about the meaning of the term urbanisation. With slight modification e.g. by incorporating alternate stimulus, It can be used for any geographical concept in all topics.

Activity

Step 1

Students have time to think and jot down their initial thoughts. Then they work in pairs to share their thoughts. When pair work is complete, students join with another pair to work in groups of four to share their discussion. One person from each group can share with the class their findings.

Step 2

Students are given a piece of stimuli – e.g. a composite image of the earth and they note down how their initial thoughts have changed after viewing the stimulus.

Step 3

Students write a HEAD question which is an inferential question using information from their thinking sheet where clues may be in their information, but the answer is not directly available.

Step 4

Students proceed to discuss strategies in how this question can be answered.

Think, Pair Square is an effective strategy as it involves lots of discussion and sharing of ideas.

References

The Teacher Toolkit

<https://www.theteachertoolkit.com/index.php/tool/think-pair-share>

Hand, Heart, Head Questions Examples

<https://www.hip-books.com/teachers/comprehension/hand-head-and-heart-questions/hand-heart-and-head-questions-examples/>

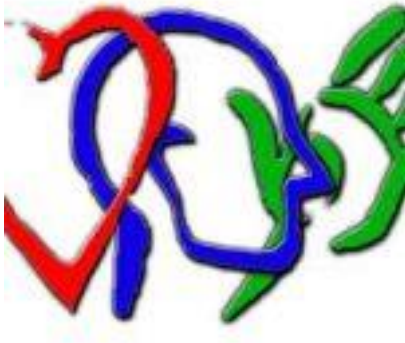


Image Source: <https://www.hip-books.com/teachers/comprehension/hand-head-and-heart-questions/hand-heart-and-head-questions-examples/>

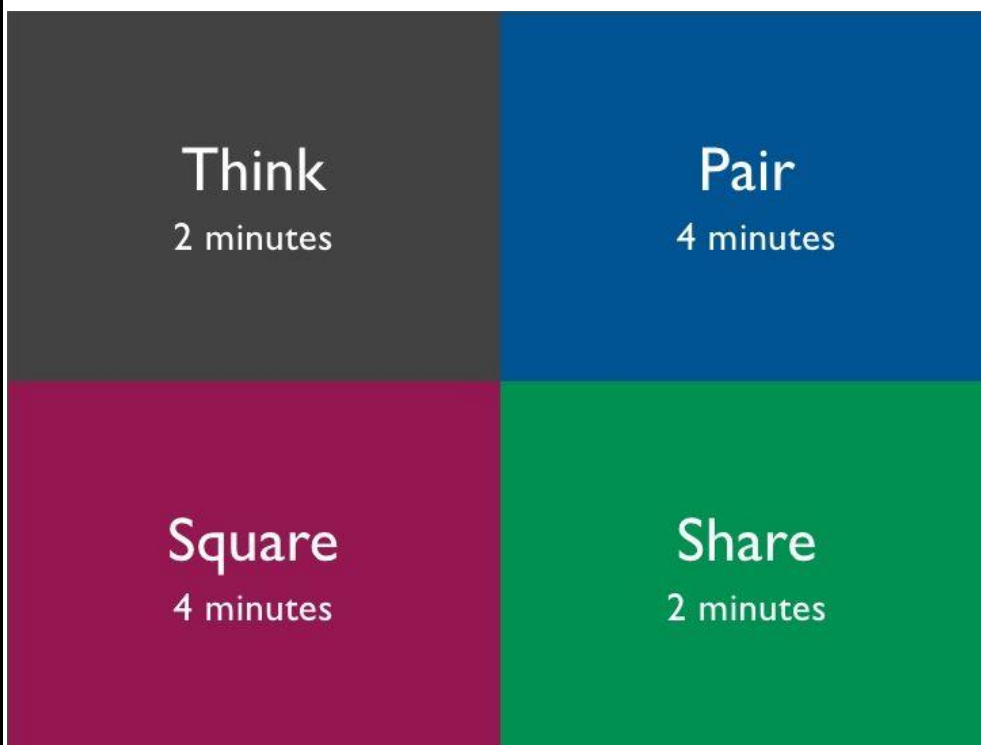


Image Source: <https://www.pinterest.com.au/pin/385409680588180502/>

Source 1 - A composite image of the Earth at night as seen from a NASA satellite...



Image Source: <https://earthobservatory.nasa.gov/images/79765/night-lights-2012-map>

Buying COTTON ON denim jeans around the world



Do COTTON ON's high rise cropped skinny jeans cost the same

Visit Currency Converter at:
<https://www.xe.com/currencyconverter>

COUNTRY	COST	CONVERSION (AU\$)
Australia https://cottonon.com/AU/women/womens-jeans/womens-skinny-jeans/		
Hong Kong https://cottonon.com/HK/co/women/womens-clothing/womens-jeans/womens-skinny-jeans/		
New Zealand https://cottonon.com/NZ/co/women/womens-clothing/womens-jeans/womens-skinny-jeans/		
South Africa https://cottonon.com/ZA/co/women/womens-clothing/womens-jeans/womens-skinny-jeans/		
United Kingdom https://cottonon.com/UK/co/women/women-clothing/womens-jeans/womens-skinny-jeans/		
United States of America https://cottonon.com/US/co/women/women-clothing/womens-jeans/womens-skinny-jeans/		



CONSTRUCT A COLUMN GRAPH

Your column graph needs to show how much COTTON ON's high rise cropped skinny jeans cost in different countries.

To make this a fair comparison, use the converted AU\$ data from your table.

[Copy and paste your column graph here]

CHECKLIST - does my column graph have the following:

- ✓ A title
- ✓ Labelled x axis
- ✓ Labelled y axis (and an appropriate unit of measurement)



What is the MOST expensive country to buy COTTON ON's high rise cropped skinny jeans?

= _____

What is the LEAST expensive country to buy COTTON ON's high rise cropped skinny jeans?

= _____

REFLECTION - Why are the prices so different?

Consider:

- ⇒ Perceived value
- ⇒ Transportation costs
- ⇒ Taxes and import duties
- ⇒ Etc.

FURTHER READING: Investopedia's Why the same goods have different process around the world at: <https://www.investopedia.com/financial-edge/0912/why-the-same-goods-have-different-prices-around-the->

Buying COTTON ON denim jeans around the world (ANSWERS)



Do COTTON ON's high rise cropped skinny jeans cost the same

Visit Currency Converter at:
<https://www.xe.com/currencyconverter>

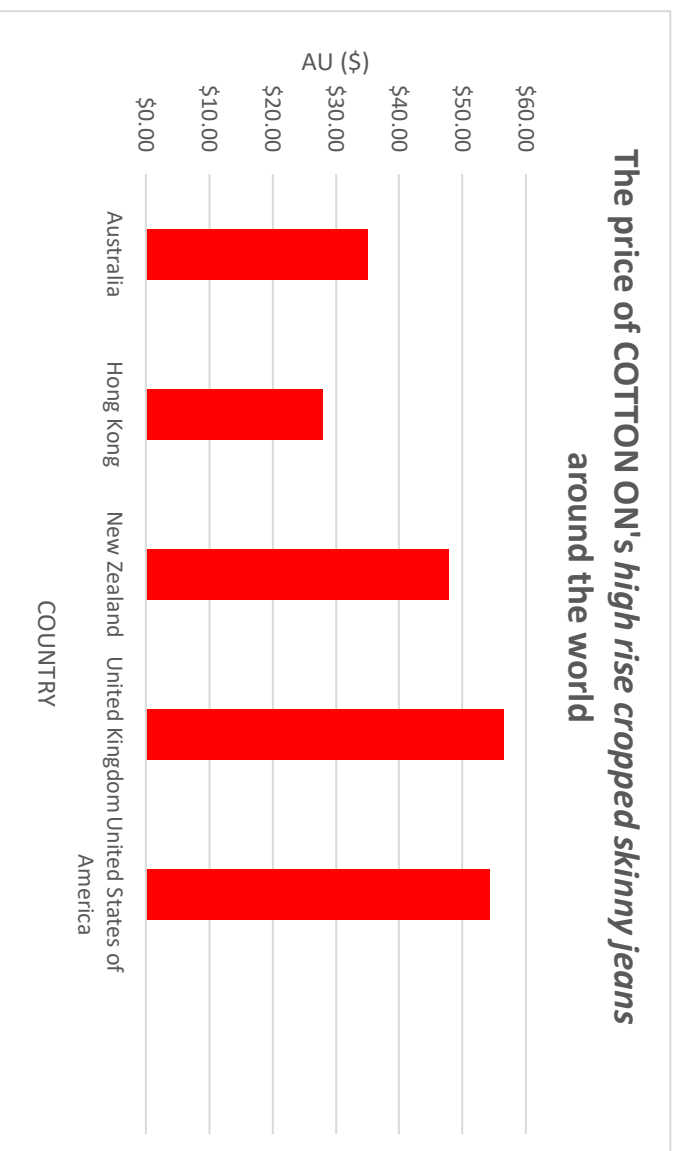
COUNTRY	COST	CONVERSION (AU\$)
Australia https://cottonon.com/AU/women/womens-jeans/womens-skinny-jeans/	AU \$34.99	\$34.99
Hong Kong https://cottonon.com/HK/co/women/womens-clothing/womens-jeans/womens-skinny-jeans/	HKD \$160.30	\$27.95
New Zealand https://cottonon.com/NZ/co/women/womens-clothing/womens-jeans/womens-skinny-jeans/	NZD \$49.99	\$47.75
South Africa https://cottonon.com/ZA/co/women/womens-clothing/womens-jeans/womens-skinny-jeans/	R ZAR \$699.00	\$55.19
United Kingdom https://cottonon.com/UK/co/women/women-clothing/womens-jeans/womens-skinny-jeans/	GB £30.00	\$56.46
United States of America https://cottonon.com/US/co/women/women-clothing/womens-jeans/womens-skinny-jeans/	USD \$39.99	\$52.27



CONSTRUCT A COLUMN GRAPH

Your column graph needs to show how much COTTON ON's high rise cropped skinny jeans cost in different countries.

To make this a fair comparison, use the converted AU\$ data from your table.



CHECKLIST - does my column graph have the following:

- ✓ A title
- ✓ Labelled x axis
- ✓ Labelled y axis (and an appropriate unit of measurement)



What is the **MOST** expensive country to buy COTTON ON's high rise cropped skinny jeans?

= **United Kingdom**

What is the **LEAST** expensive country to buy COTTON ON's high rise cropped skinny jeans?

= **Hong Kong**

REFLECTION - Why are the prices so different?

Consider:

- ⇒ Perceived value
- ⇒ Transportation costs
- ⇒ Taxes and import duties
- ⇒ Etc.

FURTHER READING: Investopedia's Why the same goods have different prices around the world at: <https://www.investopedia.com/financial-edge/0912/why-the-same-goods-have-different-prices-around-the->