



NEW SOUTH WALES

SOLITARY ISLAND AQUARIUM & NATIONAL MARINE SCIENCE CENTRE

ACTIVITIES



1

READ THIS BRIEF AND ANSWER THE FOLLOWING QUESTIONS

The **National Marine Science Centre (NMSC)** is part of the Southern Cross University's School of Environment, Science and Engineering. It is located in Coffs Harbour on the east coast of Australia and adjacent to the Solitary Islands Marine Park, where both tropical and temperate currents meet. This interesting setting provides practical opportunities for the study of marine science and management for both students and researchers.

- Where is the National Marine Science Centre (NMSC) located?

- What is the name of the island marine park that the centre has access to for their in-depth research?



2

WATCH THIS VIDEO AND ANSWER THE FOLLOWING QUESTIONS

Southern Cross University's National Marine Science Centre, Coffs Harbour
<https://www.youtube.com/watch?v=Ev3G4eLK4kA> (2mins 12secs)

- What type of habitats does the marine park have? Give some examples.

- What is the centres 4 broad themes of research?

3

WATCH THIS VIDEO AND ANSWER THE FOLLOWING QUESTIONS

Drones help with marine research for conservation:

<https://www.youtube.com/watch?v=uD6e420k9Y4> (1min 49secs)

- Why is Brendan passionate about ensuring the long-term conservation of marine ecosystems?

- How does Brendan research marine environments? Why does he choose this method of research?

4

WATCH THIS VIDEO AND ANSWER THE FOLLOWING QUESTIONS

Building sustainable industries from marine resources

<https://www.youtube.com/watch?v=xSmKtHBgtRM> (2mins 12secs)

- How many species of seaweed are there in Australia?

- What did Symon help establish in Indonesia and why is this positive for the environment?

- What does Symon suggest as the next step for Australia and the world?



5

IDENTIFY THE TWO SPECIES IN THIS PHOTO TAKEN AT THE NMSC AQUARIUM

- _____
- _____



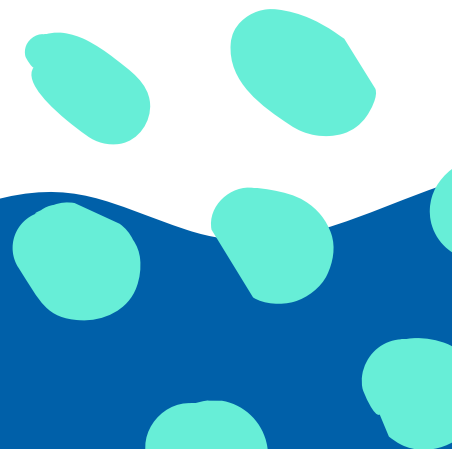
6

WATCH THIS VIDEO AND ANSWER THE FOLLOWING QUESTION

Dr Anna Scott

<https://www.youtube.com/watch?v=NpwFwqUvFTc> (2mins 6secs)

What 3 environmental changes that organisms respond to are important to study?



7

WATCH THIS VIDEO AND ANSWER THE FOLLOWING QUESTIONS

Cloud Brightening project: <https://www.youtube.com/watch?v=B0KeUlvWakg> (1min 30secs)

- What is the Great Barrier Reef facing? _____

- What does the cloud brightening concept aim to achieve? _____

- What is the purpose of cloud brightening? _____

8

WATCH THESE VIDEOS AND ANSWER THE FOLLOWING QUESTIONS

● Study marine science: <https://www.youtube.com/watch?v=gCecnBZeZ6E> (2 mins 8 secs)

● Study marine science: <https://www.youtube.com/watch?v=2LJQSjxSVYY> (1min 48secs)

EXTENSION VIDEO:

● Dr Steve Purcell <https://www.youtube.com/watch?v=sDGSP7XC7E8> (2mins 18secs)

- What is Trochus? _____
- What does it feed on? _____
- What did Australia's foreign aid program establish in 2004 overseas? Name the three countries: _____

- How is Samoa currently benefiting from the program? _____

- What are the four components of the study? _____

- What is the next stage of research? _____

ALL OF THESE VIDEOS
HAVE BEEN IMPLEMENTED
FROM THE SOLITARY ISLAND
AQUARIUM TOUR:

<https://campustours.scu.edu.au/nmsc/>



NEW SOUTH
WALES

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