



Antarctica Video Questions

Monday 3 November

1. Flying to Cape Bird

Jump aboard the helicopter destined for Cape Bird and the Adelie penguin colony to begin your scientific work down here in Antarctica.

1. About how far was the journey from Scott Base and how fast was the helicopter going?
2. Which volcano could you see from the helicopter?
3. Where is Cape Bird located?

Next step learning: Why do you think some of the windows in the helicopter fogged up during the flight?

2. Why Cape Bird

Come down onto the sea ice and meet scientist Steve Wing from the University of Otago and find out why he chose to come to Cape Bird.

1. Why study Adelie penguins?
2. Where else is the science team going to take samples?
3. Why have these two sites been chosen?

Next step learning: Find out more about what penguins eat and how their food source might be affected by climate change.

3. Penguins

Come and have a closer look at the Adelie penguins in the colony at Cape Bird and find out why these birds are so important to the Antarctic marine ecosystem.

1. Where do Adelie penguins spend most of their time?
2. Where do penguins fit into the Antarctic marine food web?
3. How do penguins help the marine ecosystem?

Next step learning: What impacts do you think people have on the Antarctic marine food web and how could we reduce these impacts?

4. Collecting Guano

Come and help collect a sample of penguin guano to help Steve with his science project.

1. Why is Steve collecting the penguin guano?
2. How are the samples collected?
3. What will happen to the samples after today?

Next step learning: Why would it be better for Steve to collect more samples rather than less?



5. Doing Science in Remote Places in Antarctica

Come into the hut at Cape Bird and find out how scientists keep their impacts to a minimum when working in the field.

1. What happens to human waste when out in the field?
2. What paperwork needs to be filled out by scientists so they have permission to work in particular parts of Antarctica?
3. How is the hut powered?

Next step learning: Design a hut that is suitable for eight scientists working out in the field in Antarctica.