



NEWS DETECTIVES

TODAY'S NEWS STORY

Chocolate! What to pack for an Antarctic trip

KEYWORDS

- ☐ **Antarctica:** The southernmost continent
- ☐ **Research ship:** A ship designed to do research at sea
- ☐ **Marine biology:** Study of life in the sea
- ☐ **Atmospheric science:** Study of the climate



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BUILD YOUR KNOWLEDGE

Scientists spend months at a time in Antarctica doing research. They investigate things like its plants, animals and atmosphere. Spending such long periods away from home means that they have to prepare well — and that doesn't just mean packing scientific equipment!

Could you go three months without your favourite chocolate? Natalie Ensor isn't taking any chances as she leaves for **Antarctica**!

Polar explorers

Natalie is one of 34 crew and about 25 scientists departing on the 5,000 mile journey to Antarctica on the RRS Sir David Attenborough this month. The **research ship** won't return until July next year!

The scientists will do research in the ship's labs, which are the size of four

tennis courts. "It's just really great to be able to see what can be done in just one ship," says Theresa Gussmann, a scientist on the trip.

Home comforts

Among the essentials in Natalie's suitcase is a bar of Toblerone and a box of Belgian chocolates. "The chocolate on board is fantastic, but it is communal, so when it runs down you don't have any," she says. Theresa agrees about the need for home comforts,

making sure to pack fairy lights and photos of her family and friends.

All aboard

The ship has accommodation for up to 90 people, and facilities like a hospital, gym and sauna. The scientists on board do a range of research, such as **marine biology** and **atmospheric science**.

Some of the ship announcements are voiced by Sir David Attenborough himself — where do we sign up?





INVESTIGATION OF THE DAY

HOW FAR WOULD YOU GO FOR SCIENCE?

1 TAKE ACTION

Did you know that Antarctica's ice is melting due to human-caused climate change? All of us can find ways of reducing our contribution to global warming. In the UK, our biggest source of carbon emissions is transportation. If you live close enough, why not try walking to school or the shop with your parents? Or taking the bus instead of the car?

WHAT
is Theresa packing to remind her of home?

WHO
voices some of the ship's announcements?

WHERE
are the scientists departing to?

WHEN
will the ship return?

WHY
does Natalie advise packing chocolate?

HOW
many people can fit on the ship?



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2 SHARE YOUR IDEAS

What have you found out in your investigation? Write, present or even record a piece that shares about what it was like to do more walking. Share what you've learned with your family and friends. What do they think? We want to hear your ideas too! Your teacher can share your reports with us too by sending them to editorial@theday.co.uk.

3 Build THE Change



CREATE YOUR DESIGN

Scientists going to Antarctica spend a long time away from home. What equipment and facilities should be on their research ships to help them do their scientific studies and stay happy?

STEP 1:

Think about your design! How much space should there be for laboratories, and how much for leisure? And don't forget to build in room for storage!

STEP 2: Build the change!

Draw your perfect research ship. If you have time, why not build a model of it using LEGO® bricks or other bits of recycled materials?

Share your genius
Show your work to your class!



Upload a photo of your work to the **Build the Change** gallery by scanning the QR code and have your work displayed to inspire real-world change.

4 BUILDER OF THE WEEK

Every week we handpick one of the most inspirational designs from our online photo gallery to be our **BUILDER OF THE WEEK**. To get your creation featured here, ask your grown-up to take a photograph and upload it to our Build the Change gallery, using the QR code on this page.



This week we have a house for turtles to swim around and a ship for visitors to use.

"GREAT WORK!"



This worksheet is available every weekday at 6:30am London time from <https://theday.co.uk/resources/news-detectives>. For any feedback or help please contact buildthechange@theday.co.uk. Thank you.

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