

POLAR REGIONS

Complete five activities by Friday **XXX** The sensible thing would be to do one activity a day. You do not need to do all eight on the grid. Choose the ones that interest you the most. You can do the activities either in google docs, google slides or on paper.

Polar Food Chains

Learn about energy flow in [food chains](#) through the arctic biome with [BBC Bitesize](#). Can you complete all 3 levels?

Can you complete this [arctic food chain activity?](#)

Share with your teacher.

Live Lessons

Join AXA Arctic for a live lesson with a polar scientist. You can sign up for a live lesson on the [AXA live website](#).

You can sign up for a variety of live lessons with real polar scientists or watch recordings of previous sessions.

Write a short newspaper report about what you've learned.

Share with your teacher.

Sea Ice experiment

You will need:

Two plastic containers
Salt, water, and food colouring or ink

Method:

1. Fill one container with water from the tap
2. Fill the other container with salty water
3. Freeze both, it may take up to 8 hours
4. Remove ice from containers and place both in shallow dish
5. Squeeze a drop of food colouring on to each ice cube
6. Observe carefully

What happened? Draw or write what you saw and

Share with your teacher.

10 facts about the arctic

Read these [10 facts about the Arctic](#) from National Geographic.

Write a short report on what you've learned. Make sure to use your own words and you can include illustrations and diagrams.

Share with your teacher.

Engineer a Boat

You will need:

- Plasticine or playdough
- Sink or container full of water

Method:

1. Roll your plasticine/ dough into a ball, place it in the water. What happens?
2. Roll your dough into a sausage shape. What happens when you place this in the water?
3. Flatten your dough into a disc shape. What happens when you place this in the water?
4. Try curving the edges of your disc up to create a 'dish' shape. Can you get it to float now?
5. Can you put a passenger (paperclip or lego) in your boat?
6. Take a picture and

Share with your teacher.

Salty Seas

Why do some things float and others sink?

You will need:

- Salt
- Container or glass
- One Egg

Method:

1. Fill your glass or container with tap water
2. Carefully place the egg in the water, observe what happens.
3. Remove the egg from the water and mix one teaspoon of salt into the water
4. Carefully place the egg back in the water.
5. Did the egg float?
6. Keep adding teaspoons of salt to the water until the egg floats.

How many spoonfuls did you have to add? Why do you think it floats in salt water?

Write or draw what you found out and

Share with your teacher.

History

Read about the history of polar exploration on [DK](#)

[findout](#).

Write a quiz with 10 questions about the history of space exploration. Make sure you include the answers to your questions

Share with your teacher.

Design a Species

Animals all adapt to survive in their specific environment. The polar regions are especially harsh, learn how these animals have adapted to survive in the arctic on this [website](#).

Invent a brand new species that would thrive in a polar habitat. Illustrate your new animal and table each of its specially adapted features. Don't forget to give your new species a name.

Share with your teacher.