

Polar Bear Project IDL week beginning 01.02.21.

Early/First Level

Activity 1 – The Arctic on a Map

Have a look at the first page of this website. It shows how the Arctic looks on the globe and there is a video which explains which countries the Arctic encompasses.

[The Arctic | Wicked Weather Watch](#)

The blue dotted circle on the map below shows where the Arctic Circle starts. On this map the North pole is in the middle. Can you find Scotland?



Task- Write the names of the seven countries which are inside the Arctic Circle (fully or partly).

Activity 2 – Climate Change and The Arctic

Look at this link:

[Climate change in the Arctic | Wicked Weather Watch](#)

Task –

1. Make ice cubes in an ice cube mould or just make one in a cup, or egg cup.
2. While they are freezing, draw around an upside down dish/bowl on a piece of paper. Around the outside of the bowl draw or paint towns and countryside (you can take the bowl off while you do this). Here is an example.



3. Put the drawing on a tea towel. Put the bowl back on top of the paper. Now, put an ice cube on top of the upside down bowl. The top of the bowl is like the North Pole and the ice cube is like the frozen Arctic Ocean that covers the North Pole.
4. Wait. And watch.
5. Tell us what happens. Does the ice cube stay at the "North Pole"? How is this like climate change in the Arctic and the rest of the world?

Activity 3 – Visitors from the Arctic to Dumfries and Galloway

In Dumfries and Galloway we have thousands of visitors that come to us from the Arctic Circle every year, late Autumn, and then they go back to the Arctic again in Spring. These are **barnacle geese**. WWT Caerlaverock has several thousand barnacle geese visitors, but unfortunately due to Covid they are temporarily closed. However, Faith Hillier, one of the officers at Caerlaverock has sent some information and resources just for Holywood Primary! **Read the information in the link below and then pick one or more tasks.**

<https://www.wwt.org.uk/news/2018/11/21/barmy-barnacle-geese/15819>

Task 1 – Make a goose lantern. See the picture below for reference. Use a balloon and either white paper, or recycled scrap paper to make the goose body from paper maché. Pop the balloon when dry and remove the balloon. Stick on paper/carboard legs, tail, neck and head. Use paint or pens to make yours a barnacle goose – how accurate can you be with the markings? You can put a torch into the body to make it glow. While you wait for the paper maché to dry: *On pieces of paper write down as many barnacle goose facts as you can and store them in the goose's body, or write them onto paper feathers to stick on the outside.*



Task 2 - Print out the PDF on the blog to make a goose hat. Just stick where the flaps are! *Remember if you need anything printing, just contact school!*

Task 3 – Climate change is affecting the geese in more than one way. First, the ice is melting so they have to travel further to back to the ice in the Arctic Circle. This makes their journey even harder. Secondly, because polar bears are finding some parts of the ice too thin to hunt for seals they are eating goose eggs instead.

Greenhouse gases are gases that make the atmosphere warm up, and that is one thing that is making the climate warmer. Some greenhouse gases are carbon dioxide and nitrous oxide. One way they are made is when we make and use vehicles like cars and planes. **Using the typography skills that you have learnt this term, make a poster to encourage people to travel less, or use methods of travel that don't create greenhouse gases (like walking and cycling).**

Activity 4 - Going to School in the Arctic

These are pictures of Longyearbarn School:



Credit: By Bjoertvedt - Own work, CC BY-SA 3.0

Watch this video by a teacher at Longyearbarn School:

[The classroom inside the Arctic Circle - BBC News - YouTube](#)

Write down, or draw, what surprised you about the school? What is similar to Hollywood? What is different?