

Animals that live in the ice and snow

Use information books and the internet to find out about -
Polar bears, penguins, arctic hares and foxes, seals, whales, reindeer, narwhals, walrus etc

There are many different types of penguins.

Penguins lay an egg and the chick hatches from the egg. The parent penguin looks after the chick.
Penguins huddle together in big groups to keep warm.
Penguins can't fly but they can swim fast.

Where can you find ice and snow in the world?

Use maps of the world and atlases to find The Arctic and The Antarctic. Other places in the world have a lot of snow eg Alaska, Canada, Russia, and China.
different animals live in different parts of the world depending on the temperature.

Nursery Winter Knowledge Organiser

Ice investigations

Make different sizes and shapes of ice.
Predict what will happen to the ice in the classroom/in the playground.
Describe what ice feels like.
Predict what happens to ice in water. Ice melts and ice floats in water. Ice is hard and difficult to break. Icebergs float on water.
Ice is slippy. Penguins lie on their tummies and slide on the ice.
Investigate using toy animals and ice.
Painting on ice. What happens?

How do animals keep warm in the Winter ?

Animals have fur or feathers on their bodies to keep warm.
Some animals have eaten a lot of food to store fat to keep them warm.
Some animals hibernate eg bears.

How can we look after animals in the Winter at home?
Bird seed and make bird feeders.

How do we keep warm in Winter?
Design a winter scarf pattern.
Look at winter clothes.

Transport in the ice and snow

Sledges, husky dogs, skis, skidoos, ice-breaking ships, snow ploughs. Chains are put on the tyres of cars or trucks to grip in the ice.

Investigate toy cars moving on ice.

Can you make a sledge with construction blocks or other materials to move on ice?

Information books are used to find out about different things.
Story books are not real.
Read Cuddly Dudley, Penguins can't fly.

Read poems about Winter, Snow and Ice.

Use percussion instruments to make wintery sounds.

Vocabulary

melt, float, waddle, slippy, slide, freezing, cold, chilly, hard, solid, slither, grip, Arctic, Antarctic, World.