

Polar bears live in arctic winters (-34°C), with a body temperature close to that of humans (37°C) yet are virtually undetectable using infrared cameras – they simply do not lose body heat. Scientists are designing materials to mimic their incredible insulation – [‘Learn about how Polar Bears keep warm’](#).

There are over 2,250 ‘passive houses’ in the UK – they’re so well designed, with very high insulation levels – they don’t need central heating at all! [Learn more about ‘passive houses’ here](#).

Europe already has over 15 million heat pumps used for heating buildings. The UK target is to install 600,000 a year by 2028. In 2024, in the UK around 98,000 heat pumps were sold – more work is needed!



Drawing the curtains can reduce heat loss from a home by 10%



What can you draw without a pen or pencil, chalk or charcoal? ...

... Your curtains!

They're great at helping to keep the heat in and carbon emissions down!

Warm air leaking out of our homes lowers the temperature – so the boiler has to work harder, burning more fuel, costing more money, and creating more carbon emissions.

This week draw your CURTAINS at dusk – keep the heat in, and help look after our planet.

Curtains challenge!

When you've completed this challenge ... Remember to hit the red button!

YOUNG CLIMATE WARRIORS

