

Spring 1 – Why is it cold? Knowledge Organiser

Parent involvement

Show and Tell – A copy of the timetable was sent home at the end of last term. This will also be shared on class Dojo. We would love children to talk about something linked to our question. This could be an item/thing, food/drink or a place, city, country etc. that they have visited that is hot or cold. Why was it hot/cold?

Provision – If you have any world maps, jigsaws or globes that you are no longer using, we would love to add them to our provision this half term. We would really appreciate your help restocking our junk modelling. Shiny, glossy, smooth, rough materials would be fantastic. For example: cotton wool, tinfoil, cardboard, bubble wrap, boxes, bottle lids, wool, string, ribbon etc.

Visit us – At the end of this half term, we will be learning about Lunar New Year. If you celebrate this in your home, we would love you to come and talk to us about it in school. Please do get in touch.

Understanding the World

This half term, we will be learning about temperature changes and the scientific effects these can have on materials and objects. We will also be exploring what happens when something freezes and something melts, as well as applying this to our natural world. We will be learning all about volcanoes, past and present and their location around the world.

STEAM – Why are parts of the Earth hot and others cold?

Key vocabulary

Melting	Eruption
Freezing	Volcano
Solid/liquid/gas	Lava
Temperature	Habitat
Thermometer	Environment
Continents	Climate

Expressive Art and Design

We will be introducing a range of books through Drawing Club that link to our question, 'why is it cold?'. We will be considering the opposite, 'why is it hot?', making comparisons and reflecting on the differences. Each week, there will be activities linked to these books within our junk modelling, creative, fine motor and reading area to enhance learning and further develop creativity and expression. Through music, we will be exploring winter weather songs and how instruments can be used to make different sounds and effects.

Key vocabulary

Layer	Twist
Mix	Curl
Describe	Crunch
Create	Label
Fold	Link
Combine	Sequence

Personal, Social and Emotional Development

In Forest School this term, we will be focussing on teamwork, linked to our hot and cold theme. Children will be working together, across both sites (beside school and the school field), to create fires, ice mobiles and shelters.

Key vocabulary

Teamwork	Natural resources
Collaboration	Construct
Boundary	Evaluate
Rules	Reflect
Safety	

Our school's 4 values:
Consideration, Cooperation, Resilience and Respect