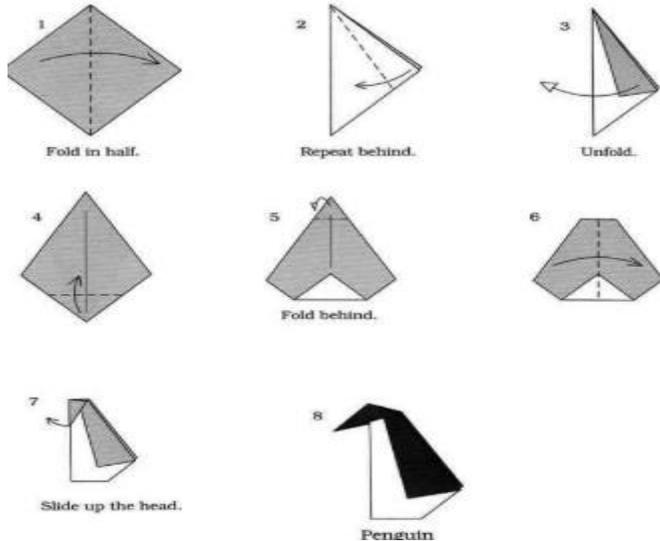


Penguin Origami



Now try a polar bear, snowflake, whale or even a tree. All these instructions can be found on the internet.

Wintery Scene

Using this BBC clip (below) on the seasons, create a wintery scene. You can choose to use paints, colouring pencils or mixed media. Remember to send in a picture of your artwork using the year group email.

<https://www.bbc.co.uk/teach/class-clips-video/science-ks1-ks2-british-plants-animals-and-landscapes-through-the-four-seasons/z4vjmfr>

Fishing for Ice



What you will need:

- *Ice cubes
- *Glass of water
- *String
- * Salt

What you need to do:

Add ice cubes to the cup and fill with water (Try and use the string to fish for ice. What happens?)

Lay the string over an ice cube

Sprinkle salt over the string and ice. Wait 30-60 seconds

Gently pull the string. The ice should come along with it!

A couple of things...

The length of the string which sits on the ice can make a different so experiment using different timings.

The amount of salt used can affect the melting of ice. Too much salt and the ice will melt quickly.

Investigate:

How many seconds is the right amount of time for string to pick up the ice?

Does the type of string affect the picking up of ice?

The science bit!

Adding salt to ice will lower the ice's melting point. Salt causes a physical change by altering the properties and temperature of the ice cube. However, if the surrounding temperature is still freezing, the ice will re-freeze (reversible change) and freeze the string along with it.

BBC clip to explain reversible and irreversible changes:

<https://www.bbc.co.uk/bitesize/topics/zcvv4wx/articles/z9brcwx>

The Lighthouse

The Lighthouse is set in a small sea-side village. The lighthouse keeper is a doesn't seem to approve of his neighbours. However, when disaster strikes, it is these neighbours who come to his aid.

Watch the clip below:

<https://www.literacysshed.com/the-lighthouse.html>

Try one of the following activities:

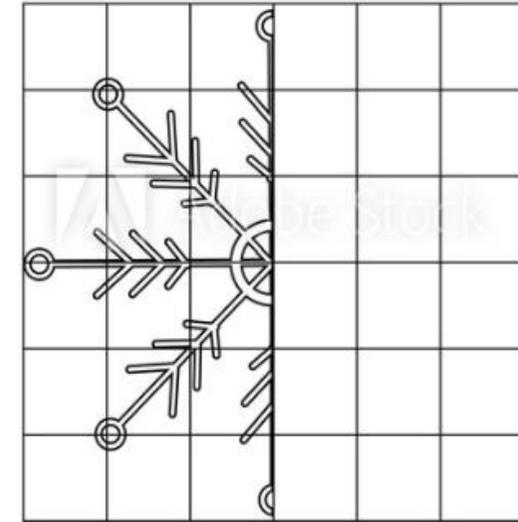
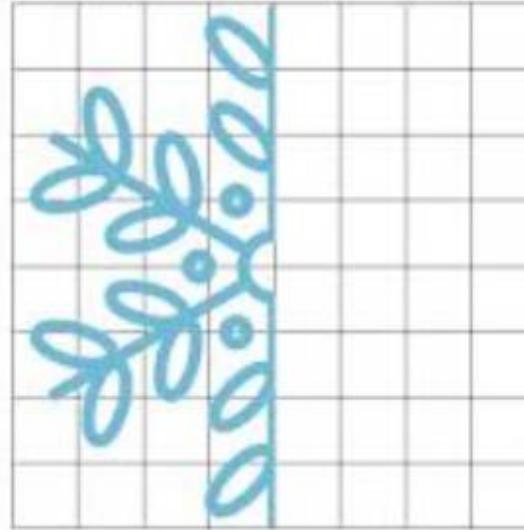
- Write a newspaper story of the event
- Write some dialogue for the film.
- create a story board of key events.
- Write a recount of the events.
- Write own story where the problem is solved in a different way

Hibernation

Research animals that hibernate during winter. Why do they hibernate? Where do they hibernate? How do they prepare themselves for hibernation?

Choose one animal and create a non-chronological report. Remember to include a title, subheadings with key information, facts and pictures. You could include captions and labelled diagrams.

Snowflake Symmetry



Can you create your own symmetrical snowflake?

How Winter Affects Plants and Animals

<https://www.bbc.co.uk/teach/class-clips-video/science-ks1-ks2-winter-weather-behaviour-british-animals-plants/zbcg92p>

Phases of the Moon

<https://www.natgeokids.com/uk/discover/science/space/the-phases-of-the-moon/>

Read through the information above. Now create a moon diary. Every day check the moon at a specific time. Write the date, draw a circle and shade circle to record how the moon appeared that night. Keep observing. What do you notice? Do you notice any patterns?