

## Key Text: Race to the Frozen North - The Matthew Henson Story by Catherine Johnson

Who was the first man to stand at the North Pole?  
Where is the Arctic? Where is the Antarctic?  
What are the names of the oceans of the world?

This text will help us to value differences in people and to develop empathy. We will also be looking at changes in our own lives and how these may make us feel.

## Where has all the water gone?

How has the world's water changed over time?  
Where does rain come from? Where do the puddles go to?

Becoming experts on the water cycle. **Key vocabulary:**  
**precipitation, condensation, evaporation, transpiration.**

Writing an explanation text for the water cycle process.

Using water colours to paint illustrations.


## How can materials be changed?

What is a solid, a liquid or a gas?  
Can materials change their state?

WOW Day: Exploring and changing solids, liquids and gases.  
Making observations and talking like scientists.

## Planning experiments and recording measurements (involving time, capacity, temperature)

At what temperature does water change from a liquid into a gas? At what temperature does water change from a liquid into a solid? How can you make ice melt quicker?



**How is the world changing?**

## What will happen next?

Linking our ideas together to plan for the future. What is happening in our world today? (Flooding, melting of ice caps, drought). Using our knowledge to write to an MP to outline our concerns.

**How can technology help us?** Using computer programming software to solve problems caused by climate change.

## Home Learning

Observe changes when cooking e.g. from liquid to solid.

Make a weather diary. How has the weather changed?

Year 4 Changes

Spring 1 2020