



The wonders of water



No wonder we find water fascinating. Put these project ideas into order starting with the one you like best. Now choose two to investigate further.

The sight and sound of a waterfall – water tumbling towards the bottom. Where are the biggest waterfalls in the world?



Thinking like a geographer

Archimedes screw is a cunning invention that carries water uphill!



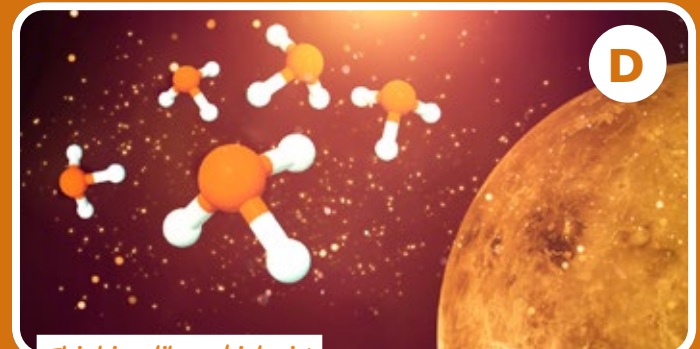
Thinking like an engineer

Riding the waves!
Can we capture some of this energy and use it to power our homes?



Thinking like a physicist

Astrobiologists are excited about lifeforms that could exist without water – but where and what would they look like?



Thinking like a biologist

How do we explain a rainbow?



Can we explain why we see a rainbow in the sky after the rain?



Scientifically speaking a rainbow is what happens when sunlight is split into its colours in a raindrop.

Can we explain why many people displayed a rainbow in their window during the coronavirus lockdown?



Many people displayed rainbows to show their support for the NHS and key workers.



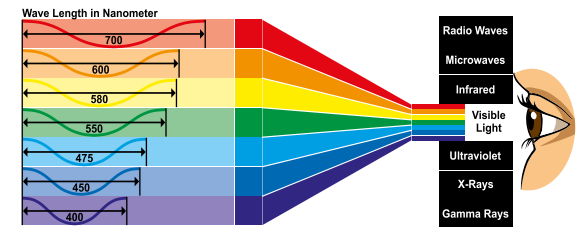
Religion and the arts can help us to understand why rainbows hold a significant meaning in some cultural and faith communities.

Understanding more about science and religion and the types of questions they ask, can help us to ask questions about the world around us and discuss possible answers.

How do science, religion and the arts help us to explain a rainbow?



Science can help us to understand the natural world around us – and why we see a rainbow after the rain...



The light arrives at the eye and we can see the colours because we have receptor cells in the back of our eyes that send information to our brain.