

WHISTLESTOP SCIENCE WEEK



ICE

A ready-to-go mini science week based on **ice**

	ACTIVITY	DETAILS AND LINKS TO RESOURCES
MONDAY	Investigate which materials are best for stopping ice melting	PSTT's Starters for Science Video 9. Melting Ice www.pstt.org.uk/resources/curriculum-materials/Starters-for-Science
TUESDAY	Question of the week: How much ice is there in the world?	Set the question - Ask the children to see if they can find out: Where in the world there is the most ice? How big is the biggest iceberg? How is the ice at the North and South Pole changing? What animals and plants can live in icy conditions?
WEDNESDAY	Challenge of the week: How long can you keep an ice cube solid?	Set the challenge - How will you stop an ice cube from melting? How many different ideas do you have that you could try? Which one worked the best? Why do you think it was the best?
THURSDAY	Explore the effects of cold water on the body	PSTT/SSERC investigations based on the Titanic - Cold Fingers 2 www.youtube.com/watch?v=AreEW7rEWp0&feature=youtu.be
FRIDAY	Discover how you can speed up ice melting	PSTT's Science Fun at Home 2. Science with Ice www.pstt.org.uk/resources/curriculum-materials/Science-Fun-at-Home

WHAT TO DO

- * Choose your activities - for the week, for a day, or for anything in-between
- * Add or swap in any extra activities from the list overleaf
- * Download the resources and share with teachers, children and families

Encourage the children to share what they have been doing and finding out

draw pictures, take photos, make voice recordings, film videos, create a scrap book, keep a diary, make a model, phone a friend or relative

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ADDITIONAL OR ALTERNATIVE ACTIVITIES

PSTT	<u>Science and STEM Clubs: Earth Explorers – Icy Blast</u> www.pstt.org.uk/resources/curriculum-materials/childrens-university-stem-clubs
STEM Learning	<u>Magic Melting Ice Cubes</u> www.stem.org.uk/elibrary/resource/32070
BBC Bitesize	<u>What are freezing and melting?</u> www.bbc.co.uk/bitesize/topics/zkgg87h/articles/z9ck9qt
Royal Society of Chemistry	<u>Suspended ice cubes - video</u> www.youtube.com/watch?v=QwCgPkPrA-A&feature=emb_title
Institute of Physics	Explore the <u>effect of salt</u> on melting ice www.spark.iop.org/sew-ice-cube#gref
PSTT/SSERC	Investigate the effects of cold water on the body with the Titanic <u>Human body in the cold</u> activities www.pstt.org.uk/resources/curriculum-materials/Titanic-Investigations
Science Sparks	<u>Ice Fishing</u> – predict how long it will take to free the fish www.science-sparks.com/how-to-make-ice-melt-faster/

What science conversations will happen during your Whistlestop Science Week?
Why not share them @pstt_whyhow or at the Great Science Share for Schools?

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