

Winter Science Investigation



Lowering the Freezing Point of Water:

Prompts for Investigation - you can cut out these prompt cards or print out to use with the investigation as you talk about it with your child.

How thick is the ice?

How much ice is made?

What change did we make?

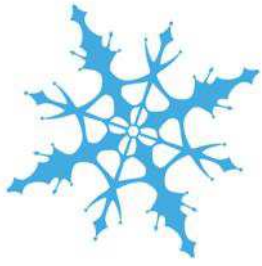
How is it different when we add salt to when we don't?

Can you think of where you see this in the world?

What else could have changed to make more or less ice?

Extension Question! Why doesn't the sea freeze on the beach?

A blue snowflake illustration, identical to the one in the top right, positioned in the bottom left corner of the extension question box.



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Salt on Ice?

Prompts for Investigation - you can cut out these prompt cards or print out to use with the investigation as you talk about it with your child.

What makes the noise you can hear?

Is the ice harder or easier to break?

What does the ice feel like with the salt on?

What is better putting salt on before or salt after a freeze?

EXTENSION ACTIVITIES:

Explore different types of salt - does rock salt, table salt, Maldon salt, gritting salt produce different effects?

[Use Coloured Salt to Create Ice Art](#)

[Paint with Coloured Ice](#)

[Explore how Polar Animals Stay Warm](#)

