

# Winter STEM Challenges

## Ice Cube Shelter



Create an ice cube shelter to slow down the speed an ice cube melts.



Try bubble wrap, white paper, black paper and foil.



## Paper Snowflake

Design and make a symmetrical snowflake from paper.



## Melting Marshmallows

Time how long it takes for marshmallows to melt in different temperature drinks.



Does stirring the drink make the marshmallows melt faster?



## Icy Rescue

Freeze a small plastic figure in a tub of water.

Experiment with warm water and ice to find the fastest way to rescue the figure.



Try adding a little salt. What happens?



Science Sparks <sup>TM</sup>

Adult supervision required. You are responsible for your own safety.

[www.sciencesparks.com](http://www.sciencesparks.com)