

MELTING MOMENTS

ACSSU046 - A change of state between solid and liquid can be caused by adding or removing heat

Every day we see or use things that have been melted or frozen, heated or cooled. All around us are items that we find both useful and attractive that have been moulded into different shapes using heating and cooling. These can range from cast iron frying pans and plastic rubbish bins to chocolate bilbies. Understanding the properties of materials and how they change state under different conditions can help materials scientists to develop even more extraordinary products to help improve our quality of life.

This term in science our class will be studying how a change of state between solid and liquid can be caused by adding or removing heat.

As part of the unit *Melting Moments*, we would like students to think about when melting is commonly seen at home.

Tasks to do

Each student will have a copy of the 'run, run, runny' journal page. The students are expected to safely explore and investigate different forms of melting as observed at home. Students are asked to record (in writing or drawing) what they observed and the reason for the change in state.

For example:

What melted?

Why did it melt?

Butter

The pan was hot / The toast was warm

This assignment is designed to spark conversations with the family and to allow students an opportunity to explore the environment around them. This is NOT compulsory and will not be marked.

Journal pages are due back at school during any science class this term.

Regards

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Run, run, runny

Name: _____

What melted?	Why did it melt?