

STEM Challenge Support materials

Make something melt

This pack includes...

p2: Challenge/Questions card

p3-4: Posters

p5: Practitioner notes

p6-8: Word cards (for display or as flash cards)

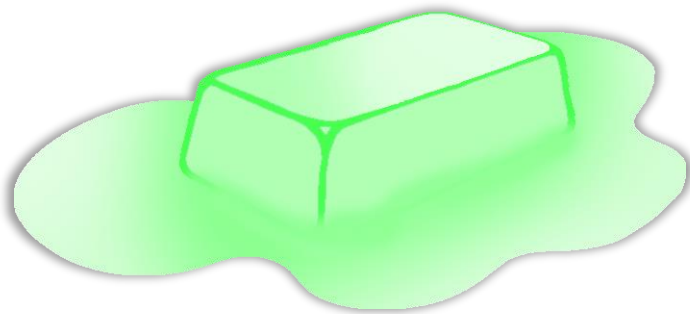
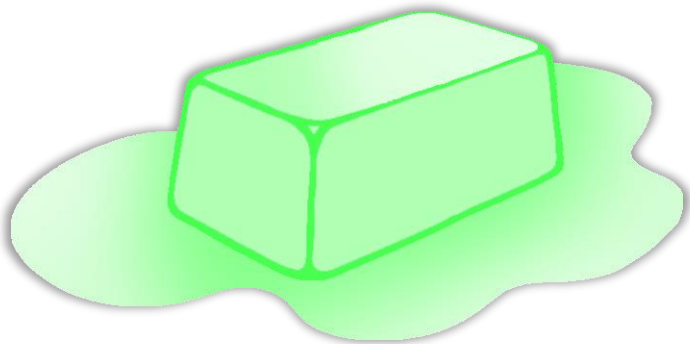
p9-11: 'What did we do?' sheets (for writing, drawing, or adding a photograph)

p12-14: 'My experiment' sheets (for writing, drawing, or adding a photograph)

★ STEM ★ Challenge ★

Can you...

...make something melt?

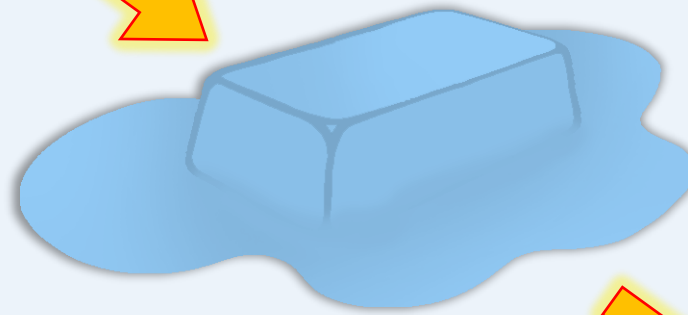
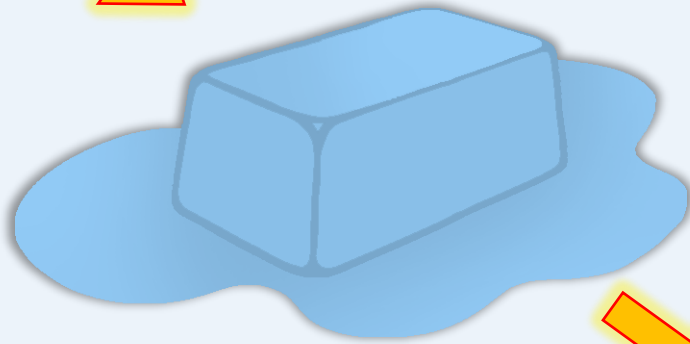
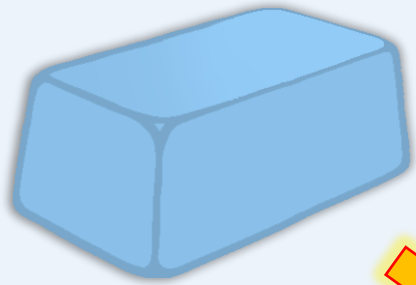


? STEM ? Questions ?

How would you melt
an ice cube?

How would you melt a
piece of chocolate?

What is happening as it
melts?

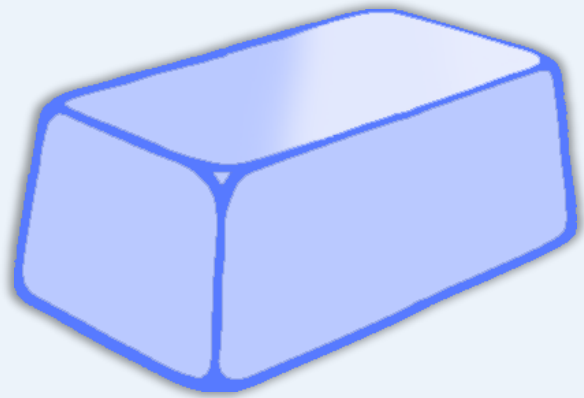


melt

melting

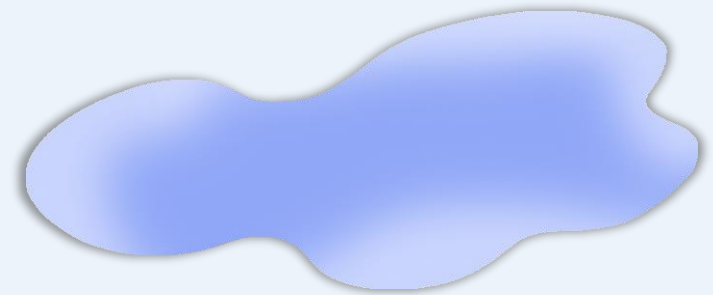


solid



solid

liquid



liquid

Practitioner notes

Items that might be useful

- Ice cubes
- Chocolate buttons
- Ice cream
- Butter

Encourage a short discussion about melting.

What have you seen melt before? – Can you melt *anything*?

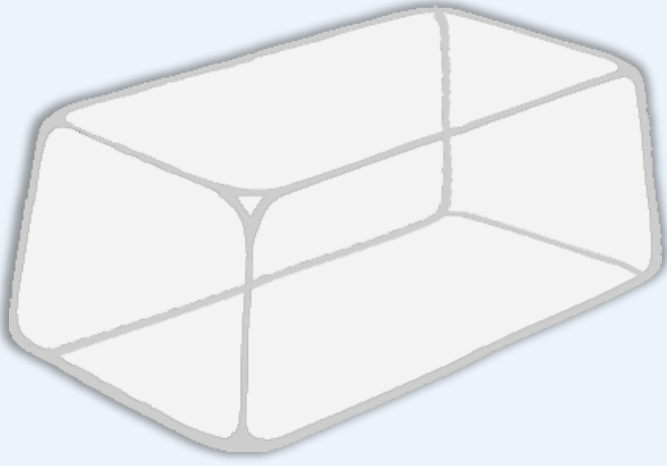
Give the children time to explore their ideas and show them the suitable substances you have for melting.

How will you melt it? - What do you need to do?

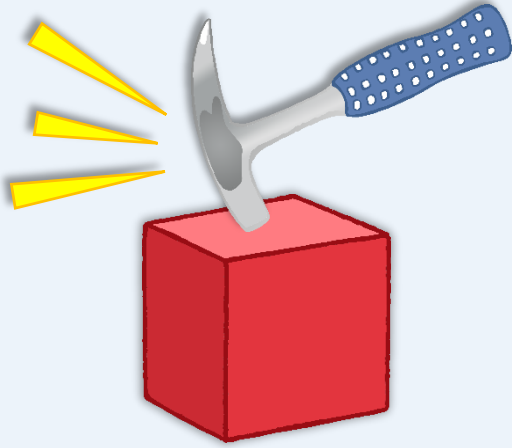
Allow the children to experiment with the substances with as much independence as possible. Let them discover what works and doesn't work.

How did you melt your item?

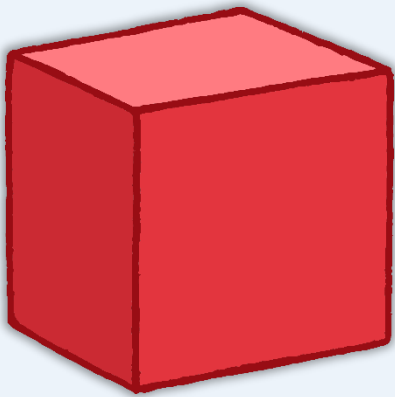
How could you have melted it quicker?



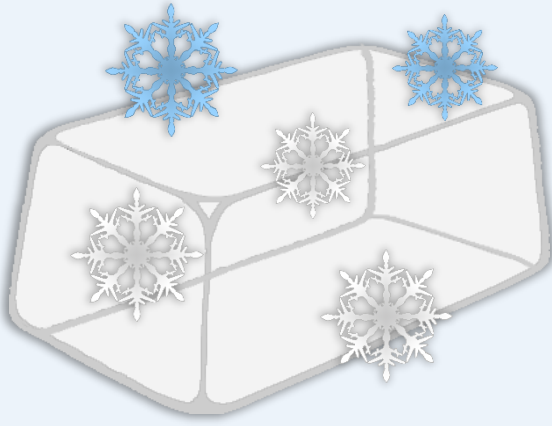
ice



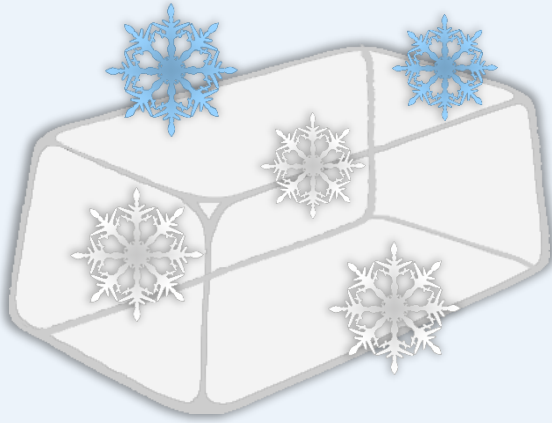
hard



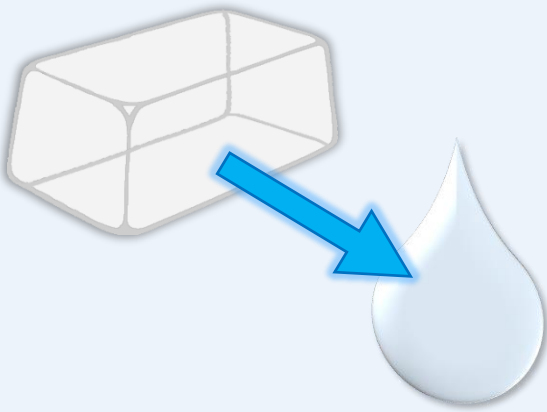
solid



freeze



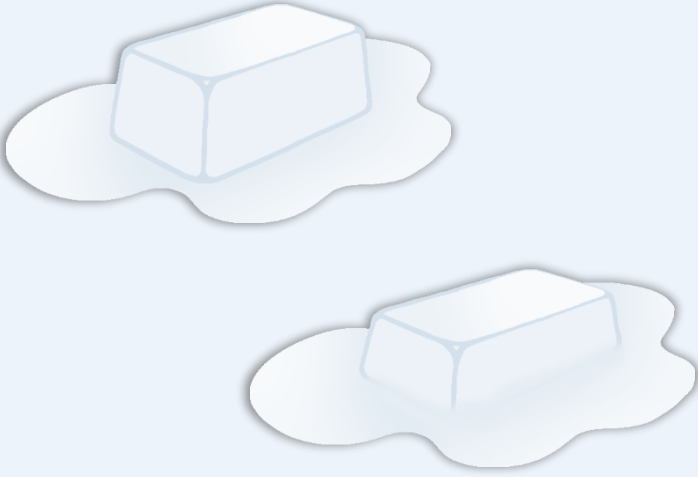
frozen



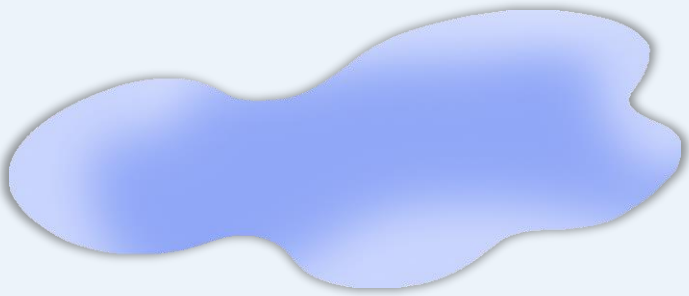
change



drip



melt



liquid

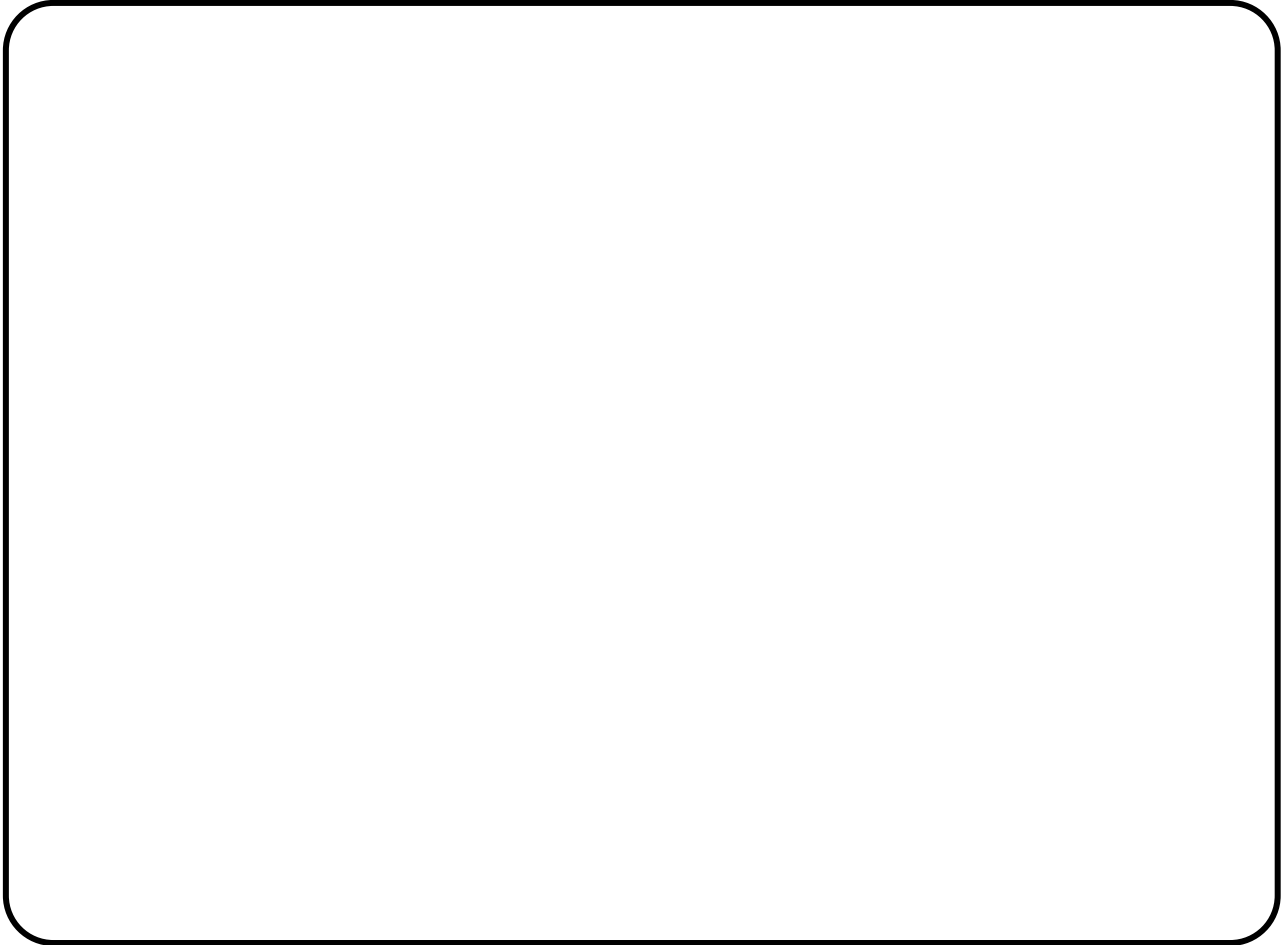


WHAT DID WE DO?

A large empty rectangular box with a black border, intended for drawing or writing.

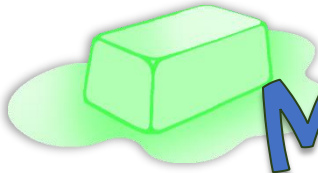
Two melting ice cubes are shown on either side of the title. The ice on the left is partially melted, with a puddle of water forming around its base. The ice on the right is also melting, with a similar puddle. The title is written in a bold, blue, sans-serif font with a slight shadow effect.

WHAT DID WE DO?

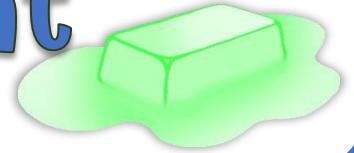
A large, empty rectangular box with rounded corners and a black border, intended for drawing or writing a story.



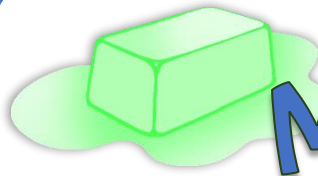
WHAT DID WE DO?



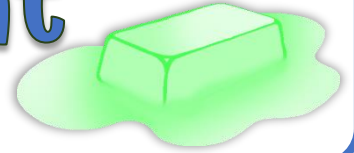
My experiment

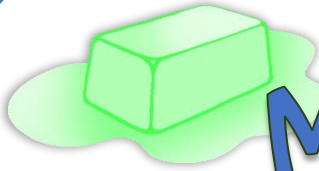


Large empty rectangular box for drawing or writing.



My experiment





My experiment

