Hot Drinks Experiment

What a lovely idea, to enjoy a hot drink on a cold day. How can we keep our drinks warmer for longer? Try out some of the following ideas and see which works best.

You will need:

A hot drink

A thermometer

Record sheet

Pencil

Variety of cups (polystyrene, glass, metal, plastic, cardboard)

Variety of wraps (bubble wrap, tinfoil, cling film)

Timer

Method:

1. Decide on the combinations that you will experiment with.
2. Make the drink and share it between the selected containers.
3. Record the starting temperature.
4. Take the containers outside and start the timer.
5. Record the temperature of the drinks every five minutes.
6. Compare results.



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cup material	wrap material	starting temperature (°C)	temperature of the drink (°C)						
			5 minutes	10 minutes	15 minutes	20 minutes	25 minutes	30 minutes	35 minutes

