

Plan and run our heating and cooling inquiry

materials

What you need: same-size ice cubes from one tray · cooler bag or insulated box for ice · jug of warm (hand-safe) water · assorted wrapping scraps (wool or fabric, foil, paper, bubble wrap) · identical cups of different materials (for example plastic, metal, paper) · stopwatch or timer · shallow tray · cloths for spills

Words to use

Fair test · What we change · What we measure · What we keep the same

Our question

Within heating and cooling, which open question will our group test, and what do we predict will win?

I predict...because...

Sort these words into Change, Measure and Keep the same

the wrapping · how melted after the same wait · size of ice cube · place in the room · how cold the ice was at the start

Change – the ONE thing we change

Measure – the ONE thing we measure

Keep the same – to make it fair

Our results

What we changed	What we measured

Is our question something we can actually test with today's kit?

Did we say why we think our choice will win?
