

Repeat, evaluate and share

materials

What you need: identical ice cubes from the same tray · warm water in a jug (teacher-poured only) · assorted wrapping materials (wool, foil, paper, bubble wrap) · identical cups · stopwatch or classroom timer · thermometer · cloths for spills · Investigation Journal pages from earlier in this project (Investigation Journal page and Investigation Journal page with first readings) · Investigation Journal Results and Conclusion page

Words to use

Repeat · Evidence · Evaluate

Our question

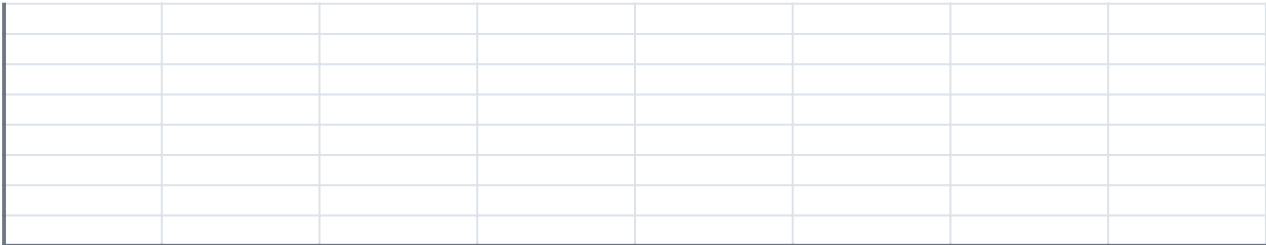
When we repeat our heating or cooling fair test, does the same material still win?

I predict...because...

Our heating and cooling middle values

Group	What we measured	Middle value

Draw a bar chart of our results



Which bar is tallest in this run? What does that tell us about the materials?

Did most groups' predictions hold, or were there surprises?



Lesson 13

Why is a number from matching repeats fairer than trusting only Trial 1?

