Lesson 17

Fair-testing forces: design your own

Energy & Forces

Words to use

Fair test · Variable we change · Average

Our force question (our group chose it)

I predict…because…

Change: the ONE thing we change

Measure: the ONE thing we measure

Keep the same: to make it fair

Draw our test: the ramp, the car and the start line. Mark the thing we change, and where we measure to.

How far did the car roll? (bottom of the ramp to the front of the car, in cm)

Version of what we changed	Trial 1	Trial 2	Trial 3	Average

Finding the average

> Add the three trials, then divide by 3. For example, 80 + 84 + 76 = 240, and 240 ÷ 3 = 80 cm.

Did our prediction hold? What does the evidence show?