Change Motion

Steps

1. **Measure** Place a line of tape on the floor. Place two more lines 15 and 30 centimeters behind the first. Put a chair leg even with the first line. Put a rubber band around the chair leg and stretch it. **Safety:** Wear goggles!

2. **Observe** Place a cart against the band. Pull it back to the second line and let go. Use tape to mark where it stops. Measure and record the distance the cart traveled.

3. **Measure** Repeat step 2, but this time pull the cart back to the third line.
Think and Share

1. **Compare** When did the cart travel farther?

2. **Infer** What caused the cart to travel farther?

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**Experiment**

Tape an object to the cart. Repeat the activity. **Compare** the results.