

Practice

Before You Go

Your class needs to practice estimating and measuring distance and length scale. Please make sure your class works on estimating and measuring the following:

- Time
- Height
- Size
- Distance
- Length Scale

On the Way

Try to answer the following questions as you travel to the fair.

- How fast is the car or bus traveling in miles/h? In km/h? How fast in m/s?
- Measure the horizontal acceleration of the bus as it starts and stops.
- Measure the horizontal acceleration of the bus as it goes around curves. (Be sure to hold the accelerometer level.)
- What force does the bus apply to your body as the bus starts, stops, and changes direction?
- When the bus stops, what keeps you from continuing ahead in a straight line with constant speed (as in Newton's First Law)?