**Pre-Activity Evaluation**

1. **List all of the units that you know and can think of.**
2. **Robots are useful in conducting scientific investigations.** (circle one)

I strongly agree I agree I am neutral I disagree I strongly disagree

1. **I have fun while I am learning in school.**

I strongly agree I agree I am neutral I disagree I strongly disagree

1. **I know how to measure distance traveled and time elapsed to determine an object’s speed.**

I strongly agree I agree I am neutral I disagree I strongly disagree

1. **I can identify the units used to measure speed, time and distance.**

I strongly agree I agree I am neutral I disagree I strongly disagree

1. **I would like to use robots in science and mathematics lessons.**

I strongly agree I agree I am neutral I disagree I strongly disagree

1. **If a ball travels 20 cm in a straight line in 5 seconds, what is the ball’s speed?** (circle one answer)
2. 20 centimeters/second
3. 4 centimeters/second
4. 4 meters/second
5. 1 centimeter/second
6. 5 seconds
7. **What is the equation to determine the speed of an object?**
8. **If a red car travels at 10 m/s and a blue car travels 15 meters in 3 seconds, which car is traveling faster? Why is it faster? How do you know? What are the units? Are they the same?**
9. **What two measurements do we need to know about an object’s journey to determine its speed?**

**Distance and time**

1. **Which of the following is a unit of speed?** (circle one answer)
2. meters/kilogram
3. centimeters
4. meters/minute
5. centimeters/meter
6. seconds