

Formula:

 $\frac{\text{Distance traveled}}{\text{Time elapsed}} = \text{speed}$

Micro:bit Tutorials to support:

- step counter (see how many steps you take)
- stop watch (elapsed time)
- countdown (let you consistently start)

To begin, you want to make sure the step counter is accurate - see if it counts all steps - or only 1, so then what would you need to do to make it accurate? Practice a couple of times and see how you need to adjust or how you might need to adjust the micro:bit holder.

Steps on Counter	Steps Counted

Ready for more? - once you get the step counter the way you want it. Get ready to add time to your data. Remember speed is about distance over time. Figure out how far you will walk in the classroom. This is where using another micro:bit with the stopwatch could be helpful - it counts full seconds only. Work on the first two columns- take turns getting data. Then you are ready to figure out your distance.

Steps on Counter	Stopwatch time	Length of foot (cm)	Distance traveled (steps x foot length)	Speed= distance/time



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