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Raven Hill Discovery Center is a 501(c)(3) tax-exempt corporation.

Mission: Raven Hill provides a place that enhances hands-on and lifelong learning for all ages by connecting science, history & the arts.

Speed

Speed is a ratio of distance over time or distance “divided by” time. We record the speed of a car in miles per hour. You will need a tape measure or ruler to mark off a set distance, masking tape, a stopwatch and a calculator (both are on a smartphone, if you don’t have others) and a piece of paper and pencil for recording the different speeds. For these “races”, we are going to record feet per second. Use a piece of tape to set up a start line and a finish line. If you make the distance 10 feet, it is easy to do the math to figure the speed, but you can use any distance and figure out the speed with a smart phone or calculator. Brainstorm different movements you can do as you race. Maybe you want to move the distance as a belly crawl, baby steps, hop on one foot, hop on two feet or hop like a frog. Think up different ones of your own, if you want. Make a “t” chart on paper to keep track of your speed in seconds. List each movement and leave a space next to it to record the time in seconds. Predict which movement will be the fastest. Which do you think will be the slowest? Use the stopwatch to time how long it takes to go the distance with each different kind of movement. Record each time. Use the calculator to determine the speed: **distance divided by time**. Which was really the fastest and which was really the slowest? What happens to your speed with each movement, if you practice 5 times and then record your speed? Does your speed get faster? Which one is now the fastest and the slowest? Enjoy and clean up after you are done!



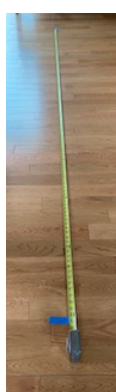
1 Supplies



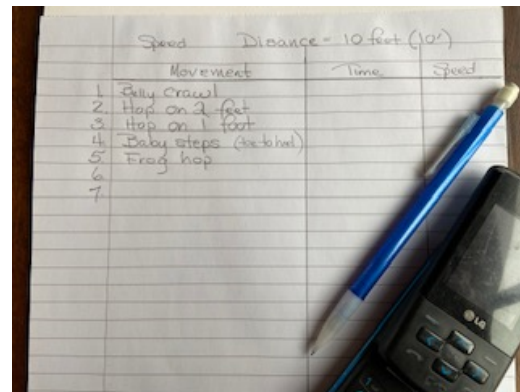
2 Start line



3 Finish line



4 Ten feet



5 Time & record your results