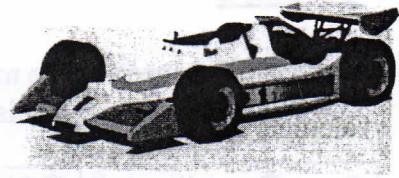




Speed Lab



The first thing you must do is write down some procedures...If you are given a stopwatch, a meter stick, and some fast moving cars, how could you calculate their speeds?

Fill in your procedures below.

- 1.
- 2.
- 3.
- 4.
- 5.

Station 1

At station 1, you have a toy car. You must calculate his speed for five different "runs." Fill in the chart below with the times for each of the five runs. Make sure to measure accurately the distance intervals listed below.

Run #	Distance (in m)	Time (in sec)	Speed (in m/sec)
1			
2			
3			
4			
5			

Speed Lab

Station 4

Test the speed of the toy car. The longer you wind the car up, the faster it should go. So, count the number of turns you wind up the car. Calculate the speed for each run for five seconds. The number of turns should be the same as in Station 3.

Number of turns	Distance (in m)	Time (in sec)	Speed (in m/sec)
		5	
		5	
		5	
		5	
		5	
		5	
		5	
		5	
		5	

At station 3, you have a toy car. You must calculate the speed for five different "runs" of the car. Start with the times for each of the five runs. Make sure to measure accurately the distance intervals listed below.

Run #	Distance (in m)	Time (in sec)	Speed (in m/sec)
1			
2			
3			
4			
5			