



Science 8

LAB #1: WALKING SPEED

Name: _____

Date: _____

Walking Speed

Lab #1

Purpose: To find the average walking speed of students.

Method: Your mission, should you choose to accept it, is to figure out a way to determine the human walking speed using only meter sticks and a stopwatch. What information is required to determine the speed (record answers below)? What instruments will be required?

To determine speed, we will need to measure both _____ and _____.

Required instruments: _____ and _____.

Part A – Going the Distance:

Measure between two tape marks on the floor and record the distance to the nearest centimeter.

Distance = _____

Part B – Timing is Everything:

Time a number of students walking normally and walking fast. Record the time it takes to travel between the marks. Record your data below.

Trial I: walking normally		Trial II: walking fast	
Student	Time (s)	Student	Time (s)
1		1	
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	
8		8	
9		9	
10		10	
11		11	
12		12	
13		13	
14		14	
Average:		Average:	

The Final Report: Calculate the average speed of 1) students while walking normally and 2) students while walking fast. Be sure to show the formula, the substitutions, and the proper units.

1. Calculation of average speed for students walking normally.

2. Calculation of average speed for students walking fast.