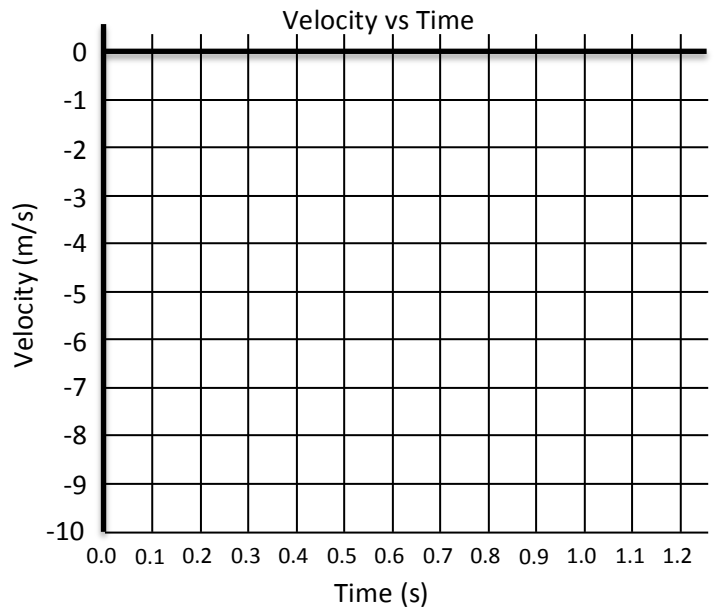
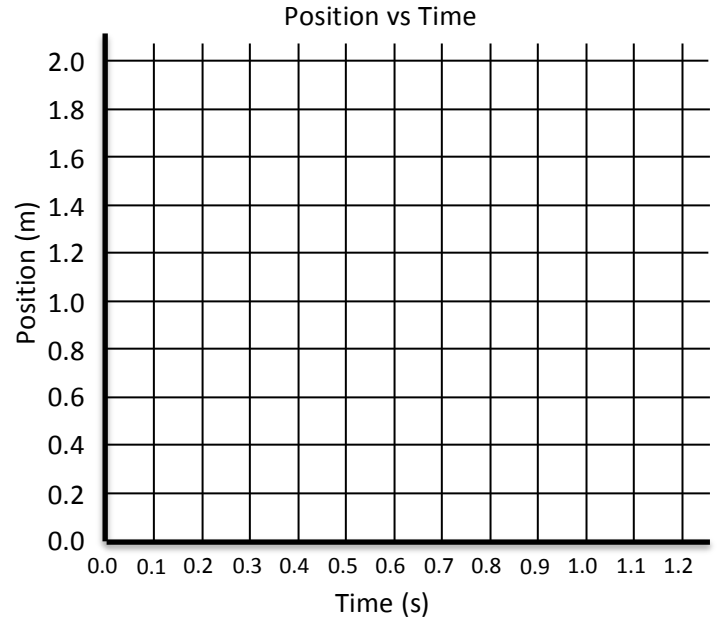


Tennis Ball Drop Lab
Physics

Name _____
1 2 3 4 5 6 7 8

Time (s)	Position (m)	Velocity (m/s)
0.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
1.1		
1.2		



1. Plot position vs time
2. Calculate and plot velocity vs time for each interval

$$\bar{v} = \frac{\Delta x}{\Delta t}$$

3. Average acceleration
Use a best fit line on the velocity vs time graph to find the average acceleration: