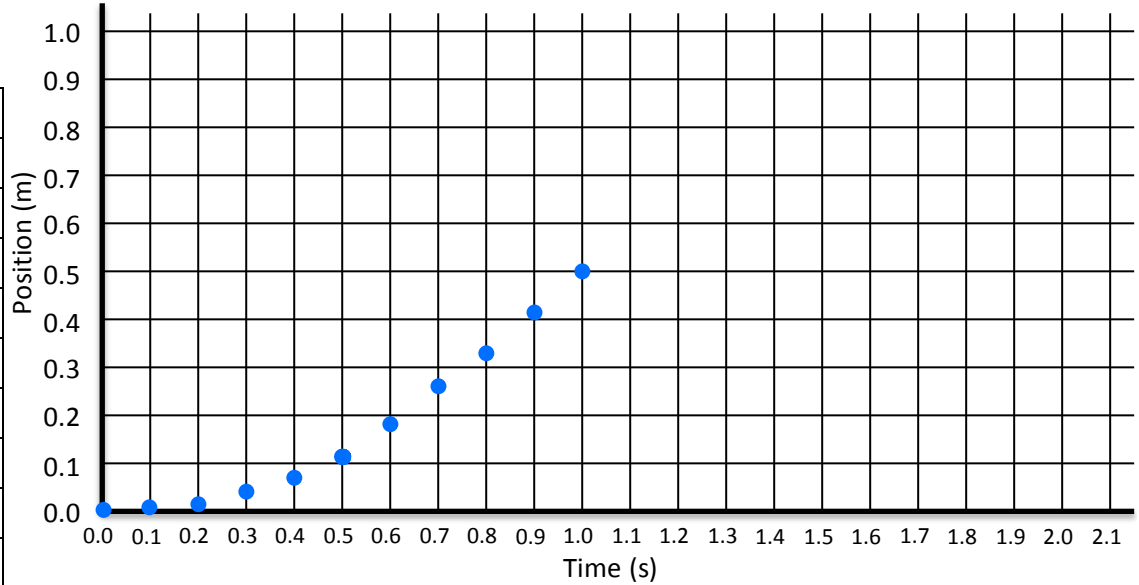


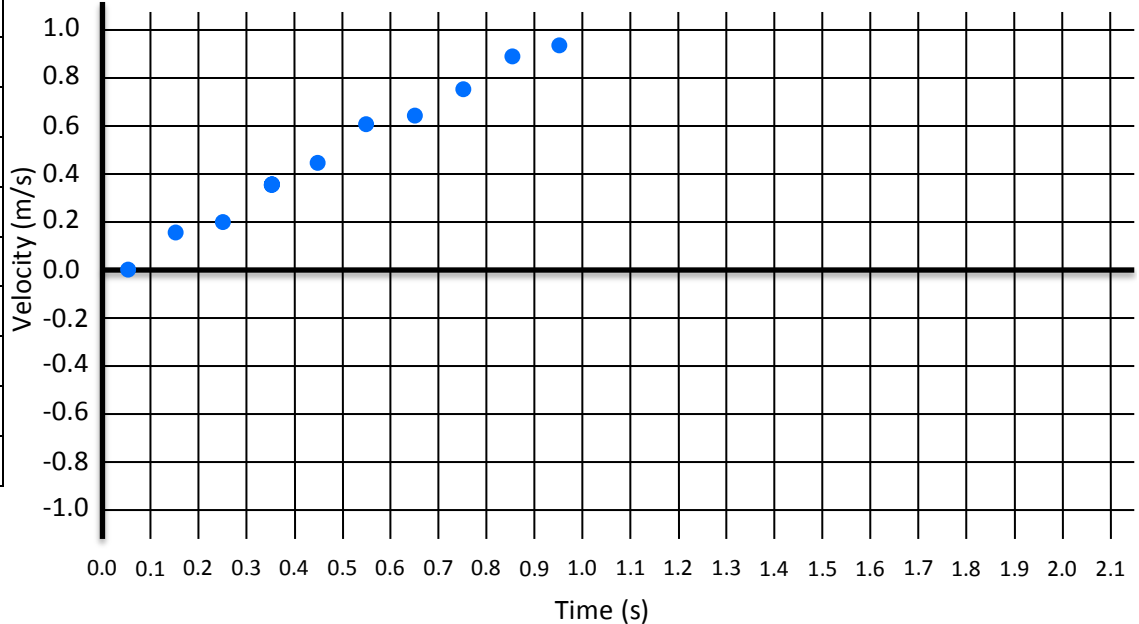
Toy Car

Time (s)	Position (m)	Velocity (m/s)
0.0	0	0
0.1	0	0.15
0.2	0.015	0.20
0.3	0.035	0.35
0.4	0.070	0.45
0.5	0.115	0.60
0.6	0.175	0.65
0.7	0.240	0.75
0.8	0.315	0.90
0.9	0.405	0.95
1.0	0.500	
1.1		
1.2		
1.3		
1.4		
1.5		
1.6		
1.7		
1.8		
1.9		
2.0		
2.1		

Position vs Time



Velocity vs Time



- Shoot video such that the object starts moving as soon as the camera starts recording. It can be moving either forward or backward, but should change speed.
- Plot data on the "Position vs Time" graph. What shape is the graph? (*straight / curved*)
- Compute the average velocity for each time interval and enter each into the "Velocity (m/s)" column in the table.
- Plot the each velocity as a dot on the "Velocity vs Time" graph. Example: If you calculated the average velocity as -0.21 m/s between 0.3 s and 0.4 s, place a dot at (0.35 s, -0.21 m/s).
- At what time was: Speed the greatest? _____
Speed the least/the object stopped? _____
- What was the average speed for the entire motion? _____ m/s Max speed? _____ m/s
Was the average faster or slower than the max speed? (*faster / slower*)