Science 10-Motion Unit Outline and Vocabulary

Chapter 9-Distance and Speed

- 9.2:Measurement and Calculations
- 9.5:Relating Speed to Distance and Time
- 9.7:Distance-Time Graphs
- 9.10:Determining Average Speed

Chapter 10-Distance, Speed and Acceleration

- 10.3:Defining Acceleration
- 10.4:Speed-Time Graphs for Acceleration
- 10.7:Instantaneous Speed
- 10.8:Analyzing Distance-Time Evidence
- 10.9:Constant Acceleration

Chapter 11-Displacement and Velocity

- 11.1:Vectors-Position and Displacement
- 11.2:Walk The Graph
- 11.3:Adding Vectors in a Straight Line
- 11.5:Adding Vectors at an Angle
- 11.7:Velocity

Chapter 12-Displacement, Velocity and Acceleration

- 12.1:Position-Time Graphs
- 12.2:Velocity-Time Graphs
- 12.5:Acceleration and Velocity
- 12.6:Displacement from Velocity-Time Graphs
- 12.7:Acceleration Due to Gravity
- 12.8:Gravitational Acceleration Near Earth

Vocabulary

Chap 9 & 10	Chap 11 & 12
average speed	average velocity
constant speed	constant velocity
distance	instantaneous velocity
instantaneous speed	displacement
significant digits	position
slope	reference point
time	resultant displacement
uniform motion	scalar
acceleration	vector
	velocity