Objective Reinforcement Plan Name:_____

1-D Motion

Quiz Score_____ Review Test Score _____

Objective	Reinforcement	Quiz 1	Practice Test
1.1 Define, distinguish, and discuss between the following kinematic terms: distance, displacement, speed, velocity, acceleration, rate, scalar, vector, average speed and velocity, instantaneous speed and velocity, relative motion, slope, area, constant	**1)Read book and take notes: pg 47-52, 57-60** **2) Text book problems: pg 62 #3,5,6, 42** 3)MOP: Mechanics → Kinematics Concepts: sblvl 2 4) SBM: Reading & Study WS – Exercises – Ch.4: #4-23 *5) Read TPC: 1-D Kinematics Lesson 1a-e Answer CYU*		
1.2 Solve conceptual/numerical/relationship problems involving objects having constant velocity or speed.	***1) Read book: pg. 48-50 and complete both THINK! Boxes and outline the sections*** *2) Text Problems: pg. 64 #26-31* **3) MOP: Mechanics → Kinematics Concepts: sblvl 6** *4) SBM: Reading & Study WS – Exercises – Ch.4: #4-16,* SBM: Next Time Question 4-1, *SBM: Problem Solving Exercises 2-1 #1-4a* SBM: Concept Development 4-1: Non-Accelerated Motion		
1.3 Solve conceptual/numerical/relationship problems involving objects having constant acceleration.	***1) Read TPC: 1-D Kinematics Lesson 6d –Choose 5 problems from the list and show your work.*** *2) Text Problems: pg. 62 #7-9, 21, 32-33* **3) MOP: Mechanics → Kinematics Concepts: sblvl 7** 4) SBM: Reading & Study WS – Exercises – Ch.4: #17-23 SBM: Problem Solving Exercises 2-1 #5-7 *SBM: Concept Development 4-1: Accelerated Motion*		
1.4 Solve kinematics problems involving an object in free fall that is dropped or thrown downwards.	***1) Read book: pg. 53-56 and take notes*** *2) Text Problems: pg 62 #13, 22, 37, 39, 41, 43* **3) MOP: Mechanics→ Newton's Laws: sblvl 10** 4) SBM: Reading & Study WS – Exercises – Ch.4: #24-36 SBM: Problem Solving Exercises 2-2 #9,10, 12-14 *SBM: Concept Development 4-1: Free Fall* Additional Help: Read TPC: 1-D Kinematics Lesson 5		
1.5 Solve kinematics problems involving an object in free fall that is thrown upwards.	***1) Read TPC: 1-D Kinematics 6c and solve the second problem and take notes*** 2) Text Problems: pg. 66 #54, 57 **3) MOP: Mechanics→ Newton's Laws: sblvl 10** 4) *SBM: Reading & Study WS – Exercises – Ch.4: #24-36* SBM: Problem Solving Exercises 2-2 #11, A-13 *SBM: Concept Development 4-1: Straight Up & Down*		

Objective	Reinforcement	Quiz 1	Practice Test
1.7 Calculate, identify, and interpret unknown quantities given a position-time graph.	1) Read book: pg. 58 answer the concept check **2) MOP: Mechanics → Kinematics Graphing: sblvl 2** *3) MOP: Mechanics → Kinematics Graphing: sblvl 10* 4) SBM: Reading & Study WS – Exercises – Ch.4: #40 & 41 *SBM: Problem Solving Exercises 2-1 #4b*		
1.8 Calculate, identify, and interpret unknown quantities given a velocity-time graph.	1) Read book: pg. 57 Show work to determine the acceleration for obj. graphed **2) MOP: Mechanics → Kinematics Graphing: sblvl 6** *3) MOP: Mechanics → Kinematics Graphing: sblvl 10* *4) SBM: Reading & Study WS – Exercises – Ch.4: #37-39*		
1.9 Calculate, identify, and interpret unknown quantities given an acceleration-time graph.	*1) Go to the following website:* *http://www.sparknotes.com/testprep/books/sat2/physics/chapter5section3.rhtml* *Read the section on Acceleration vs time graphs and determine the velocity change from t=2-5 seconds and t=6-7 seconds*		
1.10 Given the shape of a displacement/velocity/acceleration graph, redraw the same motion on a different type of graph.	**1) Read book: pg. 58 draw the v vs t and a vs t graph for the graph shown** *2) Go to TPC 1-D Kinematics Lesson 4d CYU. Construct the d vs t and the a vs t for each of the three graphs.*		

Remember if you score less than a 60% on the quiz you need to complete 3 different bolded activities.

If you scored less than a 50% on the review test, you need to complete 3 different italicized activities.

All reinforcements **AND** this piece of paper are due on the day of the test.

For additional information about the reinforcements, access this QR Code: