Objective Reinforcement Plan Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Momentum and Impulse

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| **Objective** | **Reinforcement** | **Quiz 1:** | **Practice MC** |
| 3.8 State and apply Newton’s Third Law of motion. | 1. SBM: Reading Study Exercises Ch. 7 Complete All  2. SBM: Reading Study Math Practice Ch. 7  **3. Text Book pg. 118: 1-20** |  |  |
| 5.1 Define, distinguish, and discuss the following terms: momentum, impulse, center of mass, elastic, inelastic, partially elastic | 1. SBM: Reading Study Exercises Ch. 8 Complete All  **2. Text Book pg. 138: 1, 3-7, 17**  3. Read TPC Momentum and Collisions. Create a vocabulary list with the definitions |  |  |
| 5.2 Solve numerical/relationship problems involving momentum. | 1. SBM: Problem Solving Exercises 5-1: Exercise 1, Additional Problem Solving CH5: A-1  **2. Text Book pg. 139: 20a, 24-25, 28, 54**  **3. TPC: Momentum Lesson 1a Show work for CYU**  4. MOP: Momentum: SubLevel 1 |  |  |
| 5.3 Solve or explain conceptual/numerical/relationship problems involving force, time, mass, velocities, and momentums using the impulse-momentum theorem | 1. SBM: Problem Solving Exercises 5-1: Exercises 2-6, Additional Problem Solving CH5: A-2  **2. Text Book pg. 138: 8-14, 20b, 26, 27, 35-37, 50**  **3. TPC: Momentum Lesson 1b,c Show work for CYU 1-7**  4. MOP: Momentum: SubLevel 2,3,4 |  |  |
| 5.4 For 1D collision or explosion, conceptually describe and apply the conservation of momentum. | 1.SBM: Concept Development Practice 8-1  **2. Text Book pg. 138: 15, 16, 32, 51, 52**  **3. TPC: Momentum Lesson 2b Show your work for CYU 1-9**  4. MOP: Momentum: SubLevel 5 |  |  |
| 5.5 Solve numerical/relationship problems involving explosions. | 1. SBM: Additional Problem Solving Exercises CH5: A-7, A-9, B-1  **2. TPC: Momentum Lesson 2e Show work for CYU 1-5**  3. MOP: Momentum: SubLevel 6 |  |  |
| 5.6 Solve numerical/relationship problems involving elastic collisions. | 1. SBM: Problem Solving Exercises 5-2: Exercises 7-9,14  **2. TPC: Momentum Lesson 2d 1,2 Show work for CYU 3,4**  3. MOP: Momentum SubLevel 7,8,9,10 Pick 2 |  |  |
| 5.7 Solve numerical/relationship problems involving inelastic collisions. | 1. SBM: Problem Solving Exercises 5-2: Exercises 10-13  **2. Text Book pg. 142: 57, 58, 63, 65**  **3. TPC: Momentum Lesson 2d 1,2 Show work for CYU 1,2,5,6**  4. MOP: Momentum SubLevel 7,8,9,10 Pick 2 |  |  |

 Use this QR Code to find information on how to do reinforcements!