Physics G

Momentum

(Chapter 6 Syllabus)

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| **A/B** | In Class: | Due on this class: | | If you miss this class: |
| **1**  **Apr**  **16/17** | -Momentum Exploration  -Work on **P6.0: 1-16 and P6.1: 1-5ab**  -Rocket Propulsion Demos | **Video Flip:** Videos A, B, C | | **Read:** 6-1  **Watch:** Videos A, B, C  Work on **P6.0: 1-16 and P6.1: 1-5ab** |
| **2**  **Apr**  **18/19** | -Work on the Rocket Science Quizlette  -Work on **P6.1: 1-5c-e** | **Video Flip:** Videos D  **Turn in:** Rocket Quizlette | | **Watch:** Videos D  Work on **P6.1: 1-5c-e** |
| **3**  **Apr**  **20/23** | -Conservation of Momentum  -Work on the Conservation of Momentum Quizlette | **Video Flip:** Videos E | | **Read:** 6-2  **Watch:** Videos E  Work on **P6.2:1-5** |
| **4**  **Apr**  **24/25** | -Finish the Conservation of Momentum Quizlette  -Work on **P6.2:1-5**  -Momentum Demos Part I  Transmogrification  Rubber bullets/Pelton  Explosions | **Turn in:** COM Quizlette | | Work on **P6.2:1-5** |
| **5**  **Apr**  **26/27** | -Momentum Demos Part I  Re-inventing the automobile  Physics Cannon  Match rockets  -Intro to Momentum Lab/Video Flip | **Turn In:** Clocking the Physics Cannon | |  |
| **6**  **Apr 30/**  **May 1** | -Work on Momentum Lab/Assessments  -Pass out Formative Assessments 6.0, 6.1, 6.2 | **Video Flip:** Conservation of Momentum Lab | | **Watch:** The first video for the Conservation of Momentum Lab |
| **7**  **May**  **2/3** | **Summative Assessments on:**  **6.0 Momentum and Impulse**  **6.1 Rocket Science**  **6.2 Conservation of Momentum** | **Turn In:** Conservation of Momentum Lab  **Turn In:** FA 6.0, FA 6.1, FA 6.2 | | **Watch:** The other videos for the Conservation of Momentum Lab |
| Assignments:   * 2 Labs:   + *Clocking the Physics Cannon* lab – (in class) /20 pts   + *Conservation of Momentum* lab – (on air track) /30 pts * 3 Formative/Summative assessments (10 pts each)   + 6.0 Impulse and Momentum   + 6.1: Rocket Science   + 6.2: Conservation of Momentum   Practice  SA6.0: P6.0: 1-12 only  SA6.1: (1-5) → (a-e)  SA6.2: (1-5) → (a-e) | | | Handouts: | | |