Physics G

Momentum

(Chapter 6 Syllabus)

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| **B/A** | In Class: | Due on this class: | | If you miss this class: |
| **1**  **Mar**  **15/16** | -Momentum Exploration  -Momentum  -Impulse as a change in momentum  -Rocket Propulsion |  | | **Read:** 6-1  **Watch:** Videos A, B, C |
| **2**  **Mar**  **17/20** | -More Rocket Propulsion  -Mass burn rate  -Initial and final acceleration | **Check:** P6.0: 1,2,3,7,8,9 | | **Watch:** Videos D |
| **3**  **Mar**  **21/22** | -Work on the Rocket Science Quizlette | **Check:** P6.0: 13,14,15,16  **Turn in:** P6.0: 1,2,3,7,8,9,13,14,15,16  **Turn in:** Rocket Quizlette  **Check #2:** Practice 6.1: 1e, 2e, 3e, 4e | | **Watch:** Videos D |
| **4**  **Mar**  **23/24** | -Conservation of Momentum  -Work on the Conservation of Momentum Quizlette | **Check:** P6.1 #1, 2  **Turn in:** P6.1 #1, 2 | | **Read:** 6-2  **Watch:** Videos E |
| **Mar 27-31** | Spring break yay Spring break yay Spring break yay Spring break yay Spring break yay | | | |
| **5**  **Apr**  **3/4** | -Momentum Demos Part I  Transmogrification  Rubber bullets/Pelton  Explosions  -Finish the Conservation of Momentum Quizlette | **Turn in:** COM Quizlette | | **Watch:** Videos F |
| **6**  **Apr**  **5/6** | -Momentum Demos Part I  Re-inventing the automobile  Physics Cannon  Match rockets  -Intro to Momentum Lab/Video Flip | **Check:** P6.2 #1,2  **Turn In:** Clocking the Physics Cannon | | **Read:** 6-3  **Watch:** Videos F |
| **7**  **Apr**  **7/10** | -Work on Momentum Lab/Assessments  -Pass out Formative Assessments 6.0, 6.1, 6.2 | **Check:** P6.2 #3,4  **Turn in:** P6.2 #1-4  **Video Flip:** Conservation of Momentum Lab | | **Watch:** The first video for the Conservation of Momentum Lab |
| **8**  **Apr** 11/12 | -Work on Momentum Lab/Assessments  -Finish up formative assessments  -Review for assessments |  | | **Watch:** The other videos for the Conservation of Momentum Lab |
| **9**  **Apr**  **13/17** | **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 | | Come in and make up the assessments on a makeup day in the morning |
| **Apr**  **18/20** | Circular Motion and Gravity! |  | |  |
| Assignments:   * 2 Labs:   + *Clocking the Physics Cannon* lab – (in class) /20 pts   + *Conservation of Momentum* lab – (on air track) /30 pts * 3 Formative homework assignments:   + Practice 6.0: 1,2,3,7,8,9,13,14,15,16 /20 pts   + Practice 6.1: #1, 2 /20 pts   + Practice 6.2 #1-4 /40 pts * 3 Formative/Summative assessments (10 pts each)   + 6.0 Impulse and Momentum   + 6.1: Rocket Science   + 6.2: Conservation of Momentum | | | Handouts: | | |