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 ITransmogrificationRubber bullets/PeltonExplosions-Finish the Conservation of Momentum Quizlette | **Turn in:** COM Quizlette | **Watch:** Videos F |
| **6****Apr****5/6** | -Momentum Demos Part IRe-inventing the automobilePhysics CannonMatch 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:   |