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, CWork 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 DWork 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 EWork on **P6.2:1-5** |
| **4****Apr****24/25** | -Finish the Conservation of Momentum Quizlette-Work on **P6.2:1-5**-Momentum Demos Part ITransmogrificationRubber bullets/PeltonExplosions | **Turn in:** COM Quizlette | Work on **P6.2:1-5** |
| **5****Apr****26/27** | -Momentum Demos Part IRe-inventing the automobilePhysics CannonMatch 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

PracticeSA6.0: P6.0: 1-12 onlySA6.1: (1-5) → (a-e)SA6.2: (1-5) → (a-e) | Handouts:   |