Physics G

Momentum

(Chapter 6 Syllabus)

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| Block | Class  | Due on this class  |
| 1**Feb 23/24** | -Momentum Exploration-Momentum-Impulse as a change in momentum-Rocket Propulsion | Your Smiling Face**Read:** 6-1 |
| 2**Feb 25/26** | -More Rocket Propulsion-Mass burn rate-Initial and final acceleration | **Check #1:** Practice 6.1: 1a-d, 2a-d |
| 3**Feb 29/****Mar 1** | -Conservation of Momentum-Momentum and energy problems-Elastic and inelastic collisions-The tunnel of Transmogrification and other demos | **Check #2:** Practice 6.1: 1e, 2e, 3e, 4e**Read:** 6-2 |
| 4**Mar 2/3** | -More Conservation of momentum-More Momentum Demos-Video flip for next time | **Check #3:** Practice 6.2: 1a-c, 2a-c, 3a-c |
| 5**Mar 4/7** | -Clocking the physics cannon -Work on Momentum Lab-Pass out Formative Assessments 6.0, 6.1, 6.2 | **Check #4:** Practice 6.2: 1d-e, 2d-e, 3d-e**Video Flip:** Conservation of Momentum Lab |
| **Mar 8/9** | $%&%#@^ Oaks testing | **** |
| 6**Mar 10/11** | -Work on Momentum Lab/Assessments | **Read:** 6-3**Turn In:** Clocking the Physics Cannon |
| 7**Mar 14/15** | -Work on Momentum Lab/Assessments-Finish up formative assessments-Review for assessments |  |
| 8Mar 16/17 | **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**Turn In:** Practice 6.1: 1a-e, 2a-e, 3e, 4e**Turn In:** Practice 6.2: 1a-e, 2a-e, 3a-e |
| 9**Mar 18/29** | Circular Motion and Gravity! |  |
| Assignments:* 2 Labs:
	+ *Clocking the Physics Cannon* lab – (in class) /20 pts
	+ *Conservation of Momentum* lab – Collision with air track /30 pts
* 2 Formative problem sets checked daily:
	+ Practice 6.1: 1a-e, 2a-e, 3e, 4e
	+ Practice 6.2: 1a-e, 2a-e, 3a-e
* 3 Formative/Summative assessments (10 pts each)
	+ 6.0 Impulse and Momentum
	+ 6.1: Rocket Science
	+ 6.2: Conservation of Momentum
 | Handouts: This Syllabus Worksheet-ImpulseAndMomentum Worksheet-Practice6.1 Worksheet-Practice6.2 Lab-ConservationOfMomentum FA6.0 FA6.1 FA6.2 |