**Physics G**

Force

(Chapter 4 Syllabus)

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| Block | In Class  | Due on this class  |
| 1Dec 12/13 | **DI**-Unwise/Demos**GW**-4.1 Newton's Second Law QL**DI**-Newton's Third Law ILDs | **VF 4AB, 4C** |
| 2Dec 16/17 | **GW**-Newton's Second Law QL**GW**-FA4.1**DI**-Newton's 2nd law ILDs | Turn In: Newton's Second Law QL |
| 3Dec 18/19 | **SA4.1 Newton's Second Law (first 30)****VF**-4D More than one force**DI**-Net Force | Turn In: FA4.1 - Newton's Second law |
| 4Dec 20/ Jan 6 | **DI**-Unwise/Elevators/Force Plate ILDs**GW**-4.2 Vertical Acceleration QL | **VF 4D, 4E Vertical Acceleration** |
| 5Jan 7/8 | **GW**-4.2 Vertical Acceleration QL**GW**-FA4.2 Vertical Acceleration | Turn In: Vertical Acceleration QL |
| 6Jan 9/10 | **SA4.2 Vertical Acceleration (first 30)****VF**-4F Simple Friction**DI**-Friction demos/Static/Kinetic/4G | Turn In: FA4.2 - Vertical Acceleration |
| 7Jan 13/14 | **DI-**The Friction Lab/ Racetrack Game/HW assg**GW**-4.3 Friction Quizlette**GW-**Friction QL/Racetracks/Lab/FA4.3 | **VF 4F, 4G Friction Problems**  |
| 8Jan 15/16 | **IW**-Friction Lab**GW**-Friction Lab |  |
| 9Jan 17/21 | **SA4.3 Friction (first 30)****GW**-Friction Lab**VF**-7A, 7B | Turn In: FA4.3 Friction Turn In: Friction LabTurn in: P4.3 #1-3, 0-dTurn in: RacetracksTurn In: 4.3 Friction QL |
|  | **Final** | Turn In: Mock Final (EC) |
| Jan 28/29 | **Circular Motion!!** | **VF 7A, 7B - Centripetal** |

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| Assignments:* 2 Labs:
	+ *Racetrack* lab – 3 Races with other people /15 pts
	+ *Force of Friction* lab – Groups of 2 /40 pts
* 3 in-class Quizlettes - group work (10 pts each)
	+ 4.1 Newton's Second Law Quizlette
	+ 4.2 Vertical Acceleration Quizlette
	+ 4.3 Friction Quizlette
* 1 Homework Assignment:
	+ P4.3 #1-3, 0-d /10 pts
* 3 Formative/Summative Assessments: (10 pts each)
	+ 4.1 - Newton's Second Law
	+ 4.2 - Vertical acceleration
	+ 4.3 - Friction
 | Handouts:  |