**Physics G**

Force

(Chapter 4 Syllabus)

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| Block | In Class | Due on this class |
| 1 Dec12/13 | **DI**-Unwise/Demos  **GW**-4.1 Newton's Second Law QL  **DI**-Newton's Third Law ILDs | **VF 4AB, 4C** |
| 2  Dec  16/17 | **GW**-Newton's Second Law QL  **GW**-FA4.1  **DI**-Newton's 2nd law ILDs | Turn In: Newton's Second Law QL |
| 3  Dec  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 |
| 4  Dec 20/ Jan 6 | **DI**-Unwise/Elevators/Force Plate ILDs  **GW**-4.2 Vertical Acceleration QL | **VF 4D, 4E Vertical Acceleration** |
| 5  Jan  7/8 | **GW**-4.2 Vertical Acceleration QL  **GW**-FA4.2 Vertical Acceleration | Turn In: Vertical Acceleration QL |
| 6  Jan  9/10 | **SA4.2 Vertical Acceleration (first 30)**  **VF**-4F Simple Friction  **DI**-Friction demos/Static/Kinetic/4G | Turn In: FA4.2 - Vertical Acceleration |
| 7  Jan  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** |
| 8  Jan  15/16 | **IW**-Friction Lab  **GW**-Friction Lab |  |
| 9  Jan  17/21 | **SA4.3 Friction (first 30)**  **GW**-Friction Lab  **VF**-7A, 7B | Turn In: FA4.3 Friction  Turn In: Friction Lab  Turn in: P4.3 #1-3, 0-d  Turn in: Racetracks  Turn 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: |