**Physics G**

Force

(Chapter 4 Syllabus)

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| Block | In Class | Due on this class |
| 1 Dec10/11 | **DI**-Unwise/Demos  **GW**-4.1 Newton's Second Law QL  **DI**-Racetrack Game | **VF 4AB, 4C** |
| 2  Dec  12/13 | **GW**-Newton's Second Law QL  **GW**-Racetrack Game  **GW**-FA4.1 | Turn In: Newton's Second Law QL |
| 3  Dec  14/17 | **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  18/19 | **GW**-4.2 Vertical Acceleration QL  **GW**-FA4.2 Vertical Acceleration | **VF 4E Vertical Acceleration**  Turn In: Vertical Acceleration QL |
| 5  Dec  20/21 | **SA4.2 Vertical Acceleration (first 30)**  **VF**-4F Simple Friction  **DI**-Unwise/Elevators/Force Plate Demo | Turn In: FA4.2 - Vertical Acceleration |
| 6  Jan  7/8 | **DI**-Friction demos/Static/Kinetic  **GW**-4.3 Friction Quizlette | **VF 4G Friction Problems** |
| 7  Jan  9/10 | **DI-**The Friction Lab  **GW-**Friction QL/Racetracks/Lab/FA4.3 | Turn In: Racetracks  Turn In: 4.3 Friction QL |
| 8  Jan  11/14 | **SA4.3 Friction (first 30)**  **IW**-Friction Lab  **GW**-Friction Lab | Turn In: FA4.3 Friction |
| 9  Jan  15/16 | **GW**-Friction Lab  **VF**-7A, 7B | Turn In: Friction Lab |
| Jan  17/18 | **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 * 3 Formative/Summative Assessments:   + 4.1 - Newton's Second Law   + 4.2 - Vertical acceleration   + 4.3 - Friction | Handouts: |