**Physics G**

Force

(Chapter 4 Syllabus)

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| Block | Class | Due on this class |
| 1 Dec 11/12 | -Welcome to Physics!!  -Aristotle and Galileo  -Newton’s laws L/D  -Newton's second law  -Assign *Newton's Second Law* | **Read:** 4.1-3 |
| 2  Dec 15/16 | -The difference between mass and weight  -Racetrack simulation game  -In class time to work on:  *Newton's Second Law*  Racetrack Simulation | **Check:** NSL: 1-6  **Read:** 4.4-weight |
| 3  Dec 17/18 | -Net Force Part 1  -**Quiz** *Newton's Second Law* | **Check:** NSL: 7-12  **Turn In:** *Newton's Second Law* |
| 4  Dec 19/  Jan 5 | -Net Force Part 2  -Work on Net Force problems in class:  (Net Force: 1, 2, 4, 8, 10, 11, 12, 15) | **Check:** NF: 3, 5, 6, 7, 9, 13, 14 |
| 5  Jan 6/7 | -Friction Whiteboards  -Work on Friction Worksheet in class | **Video Flip: Calculating Friction (F)**  **Check:** NF: 1, 2, 4, 8, 10, 11, 12, 15  **Read:** 4.4-friction  **Turn In:** *Net force* |
| 6  Jan 8/9 | -**PreQuiz 4.1**  -Intro of *Friction lab*  -Work on lab or problems | **Check:** F: 1-8 |
| 7  Jan 12/13 | **-Summative Assessments:**  **-SA 4.1 - Newton's Second Law**  **-SA 4.2 - Vertical acceleration**  **-SA 4.3 - Friction** | **Check:** F: 9, 10, 11 |
| 8  Jan 14/15 | -Lab Time | **Check:** F: 12, 13  **Turn In:** Racetrack Simulations |
| 9  Jan 16/20 | -Lab Time | **Check:** F: 14, 15  **Turn In:** *Friction*  **Turn In:** *Force of Friction* lab |

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| Assignments:   * *Newton’s Second Law* (12) + 2 stamps /28 pts * *Net Force* (15)+ 3 stamps /36 pts * *Friction* (15) +4 stamps /38 pts * 2 Labs:   + *Racetrack* lab – In Class Race with Other People /15 pts   + *Force of Friction* lab – Data and Graphs and questions /45 pts * 1 Quiz: Quiz on Newton’s Second Law /10 Quiz Pts * 1 PreQuiz: Net Force and Friction /10 Quiz pts * 1 SkillSet: Net Force and Friction /10Test pts * 1 Test on Force | Handouts:  This Syllabus  Worksheet-NewtonsSecondLaw  Worksheet-NetForce  Worksheet-Friction  PreQuiz-NetForceAndFriction  Lab-ForceOfFriction |