**Physics G**

Force

(Chapter 4 Syllabus)

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| Block | Class  | Due on this class  |
| 1Dec 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 |
| 2Dec 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 |
| 3Dec 17/18 | -Net Force Part 1-**Quiz** *Newton's Second Law* | **Check:** NSL: 7-12**Turn In:** *Newton's Second Law* |
| 4Dec 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 |
| 5Jan 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* |
| 6Jan 8/9 | -**PreQuiz 4.1**-Intro of *Friction lab* -Work on lab or problems | **Check:** F: 1-8 |
| 7Jan 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 |
| 8Jan 14/15 | -Lab Time | **Check:** F: 12, 13**Turn In:** Racetrack Simulations |
| 9Jan 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 |