**Physics G**

Force

(Chapter 4 Syllabus)

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| Block | Class | Due on this class |
| 1 Dec 12/13 | -Tests Back  -Teacher Evaluation  -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 16/17** | -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 18/19** | -Net Force Part 1  -**Quiz** *Newton's Second Law* | **Check:** NSL: 7-12  **Turn In:** *Newton's Second Law* |
| 4  **Dec 20/**  **Jan 6** | -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 7/8** | -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 9/10** | -**PreQuiz on Net Force and Friction**  -Intro of *Friction lab*  -Work on lab or problems | **Check:** F: 1-5 |
| 7  **Jan 13/14** | -**SkillSet on Net Force and Friction**  -Lab/problem time | **Check:** F: 6-10 |
| 8  **Jan 15/16** | -Lab/Problem time | **Check:** F: 11-13  **Turn In:** Racetrack Simulations |
| 9  **Jan 17/21** | -Mockery of Force test/Final | **Check:** F: 14,15  **Turn In:** *Friction*  **Turn In:** *Force of Friction* lab |
| 10  **Finals** | -**Test on Force/Semester Final** |  |
| 11  **Jan 28/29** | -Tests Back  -Why it is important to consider the weight of a barrel of bricks. |  |

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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 |