**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 | **Practice:** NSL, Practice 4.1**Read:** 4.4-weight |
| 3Dec 17/18 | -Net Force Parts 1 and 2-Work on Net Force practice problems | **Practice:** Practice 4.2 |
| 4Dec 19/Jan 5 | -Friction-Friction and acceleration | **Practice:** Practice 4.3**Read:** 4.4-friction |
| 5Jan 6/7 | -Work on in class:-4.2 - Vertical Acceleration-4.3 - Friction | **Practice:**  |
| 6Jan 8/9 | -Work on Formative Assessments: 4.1, 4.2, 4.3 | **Practice:** F: 1-8 |
| 7Jan 12/13 | **-Summative Assessments:****-SA 4.1 - Newton's Second Law****-SA 4.2 - Vertical acceleration****-SA 4.3 - Friction** | **Practice:** F: 9, 10, 11 |
| 8Jan 14/15 | -Friction Lab Explained-Lab Time:-Friction lab-Racetrack simulation | **Practice:** F: 12, 13 |
| 9Jan 16/20 | -Lab Time:-Friction lab-Racetrack simulation | **Practice:** F: 14, 15**Turn In:** Racetrack Simulations**Turn In:** *Force of Friction* lab |

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| Assignments:* 2 Labs:
	+ *Racetrack* lab – In Class Race with Other People /15 pts
	+ *Force of Friction* lab – Data and Graphs and questions /45 pts
* 3 Formative/Summative Assessments:
	+ 4.1 - Newton's Second Law
	+ 4.2 - Vertical acceleration
	+ 4.3 - Friction
 | Handouts: This Syllabus Worksheet-NewtonsSecondLaw Worksheet-NetForce Worksheet-Friction Worksheet-NewtonsSecondLaw4.1 Worksheet-VerticalAcceleration4.2 Worksheet-Friction4.3 Lab-ForceOfFriction |