**Physics G**

Force

(Chapter 4 Syllabus)

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| Block | In Class  | Due on this class  | If you miss this class |
| 1Jan 3/4 | -Hand out Practice for A4.1-Welcome to Physics!!-Aristotle and Galileo-Newton’s laws L/D-Newton's second law-The difference between mass and weight |  | **Read:** 4.1-3**Watch:** Videos A, B, C |
| 2Jan 5/8 | -Racetrack simulation game-In class time to work on:4.1 Newton's Second Law QuizletteRacetrack Simulation | **Check:** P4.1 #1**Turn in:** 4.1 Newton's Second Law QL | **Read:** 4.4-weight |
| 3Jan 9/10 | -Hand out Practice for A4.2-Net Force Parts 1 and 2-Work on Net Force practice problems | **Check:** P4.1 #2-3**Turn in:** Practice 4.1 #1-3 | **Watch:** Videos D, E |
| 4Jan 11/12 | -In class time to work on:4.2 Vertical Acceleration QuizletteRacetrack Simulation  | **Check:** P4.2 #1**Turn in:** 4.2 Vertical Acceleration QL | **Read:** 4.4-friction**Watch:** Videos D, E |
| 5Jan 16/17 | -Hand out Practice for A4.3-Friction-Friction and acceleration  | **Check:** P4.2 #2-3**Turn in:** Practice 4.2 #1-3 | **Watch:** Videos F,G |
| 6Jan 18/19 | -In class time to work on:4.3 Friction QuizletteRacetrack Simulation FA:4.1, 4.2, 4.3Friction lab intro | **Check:** P4.3 #1(0-d)**Turn in:** 4.3 Friction QL | **Watch:** Videos F,G |
| 7Jan 22/23 | -In class time to work on:Racetrack Simulation FA:4.1, 4.2, 4.3Friction lab (Groups of 2) | **Check:** P4.3 #2-3 (0-d)**Turn in:** Practice 4.3 #1-3 (0-d) | **Watch:** Force of Friction videosCome in before or after school to make up the lab |
| 8Jan 24/25 | **-Summative Assessments:****-SA 4.1 - Newton's Second Law****-SA 4.2 - Vertical acceleration****-SA 4.3 - Friction** | **Turn in:** FA4.1, 4.2, 4.3, and any late formative work you want credit for |  |
| 9Jan 29/30 | -Lab Time:-Friction lab-Racetrack simulation | **Turn In:** Racetrack Simulations **(3 per person)****Turn In:** *Force of Friction* lab (Groups of 2) | **Watch:** Force of Friction videosCome in before or after school to make up the lab |
| Feb6/7 | **Circular Motion!!** |  |  |

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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 in-class Quizlettes - group work (20 pts each)
	+ 4.1 Newton's Second Law Quizlette
	+ 4.2 Vertical Acceleration Quizlette
	+ 4.3 Friction Quizlette
* 3 Homework assignments (30 pts each)
	+ P4.1 #1-3
	+ P4.2 #1-3
	+ P4.3 #1-3 (0-d)
* 3 Formative/Summative Assessments:
	+ 4.1 - Newton's Second Law
	+ 4.2 - Vertical acceleration
	+ 4.3 - Friction
 | Handouts:  |