**Physics G**

Two-Dimensional Motion and Vectors Syllabus (Chapter 3)

|  |  |  |  |
| --- | --- | --- | --- |
| Block | In Class:  | Due on this class: | If you miss this class: |
| 1Nov 2/6 | **DI**-Review components and Drawings **GW-**Where Oh Where am I???? | **VF 3C, 3D**  | **Watch: Videos 3A, 3B, 3C****Read:** 3.1, 3.2 |
| 2Nov 7/8 | **GW**-Vector Quizlette**GW**-FA3.1 | **VF 3E**Turn in Vector Quizlette | **Watch: Videos 3E****Read:** 3.3 |
| 3Nov 9/13 | **SA3.1-Vectors (First 30 minutes)****VF**-3F-Basic Projectile Motion**DI**-Demos and unwise | Turn in FA3.1 | **Watch: Videos 3F** |
| 4Nov 14/15 | **GW**-Cliff Quizlette | **VF 3G** | **Watch: Videos 3G** |
| 5Nov 16/19 | **GW**-Cliff Quizlette**GW**-FA3.2**GW**-Projectile PHET Simulation: Cliff | Turn in Cliff QuizletteTurn in PHET: Cliff |  |
| 6Nov 20/21 | **SA3.2-Cliff Problems (First 30 minutes)****VF**-3H Arc problems**DI**-Demos | Turn in FA3.2 | **Watch: Videos 3H** |
| 7Nov 26/27 | **GW**-Arc Quizlette**GW**-FA3.3 Arc Problems**GW**-Projectile PHET Simulation: Range | **VF 3H, 3I**Turn in Arc QuizletteTurn in PHET: Arc | **Watch: Videos 3H, 3I** |
| 8Nov28/29 | **SA3.3-Arc Problems (First 30 minutes)****VF**-3J Boat Crossing River**DI**-Boat x River Demo | Turn in FA3.3 | **Watch: Videos 3J****Read:** 3.4 |
| 9Nov 30/Dec 3 | **GW**-Boat x River Quizlette**GW**-FA3.4 Boat x River | **VF 3J**Turn in Boat x River Quizlette |  |
| 10Dec 4/5 | **FA3.4-Boat x River (First 30 minutes)****VF**-Marble Lab**DI**-Marble Lab Setup Demo  | Turn in FA3.4 | **Watch: Marble Lab Video** |
| 11Dec 6/7 | **GW**-Marble Lab**VF-**4A, 4B, 4C | Turn In Marble Lab |  |
| 12Dec 10/11 | **Newton's Laws!!!!** | **VF 4A, 4B, 4C** |  |
| Assignments:* 4 Labs:
	+ *Where am I?* lab – Drawing in class on graph paper /10 pts
	+ *Cliff PHET* – Computer simulation. /20 pts
	+ *Arc PHET* – Computer simulation. /20 pts
	+ *Trajectory of a Marble* lab – In class – hit a target with a marble. /30 pts
* 4 Quizlettes (done in class as a group)
	+ Vector QL (10 pts)
	+ Cliff QL (10 pts)
	+ Arc QL (10pts)
	+ Boat x River QL (10 pts)
* 4 Formative/ Summative assessments:
	+ 3.1 - Adding Two Vectors
	+ 3.2 - Cliff Problems
	+ 3.3 - Arc Problems
	+ 3.4 - Boat Crossing River
 | Handouts: |