**Physics G**

Two-Dimensional Motion and Vectors Syllabus (Chapter 3)

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| Block | In Class: | Due on this class: | If you miss this class: | |
| 1  Nov  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 | |
| 2  Nov  7/8 | **GW**-Vector Quizlette  **GW**-FA3.1 | **VF 3E**  Turn in Vector Quizlette | **Watch: Videos 3E**  **Read:** 3.3 | |
| 3  Nov  9/13 | **SA3.1-Vectors (First 30 minutes)**  **VF**-3F-Basic Projectile Motion  **DI**-Demos and unwise | Turn in FA3.1 | **Watch: Videos 3F** | |
| 4  Nov  14/15 | **GW**-Cliff Quizlette | **VF 3G** | **Watch: Videos 3G** | |
| 5  Nov  16/19 | **GW**-Cliff Quizlette  **GW**-FA3.2  **GW**-Projectile PHET Simulation: Cliff | Turn in Cliff Quizlette  Turn in PHET: Cliff |  | |
| 6  Nov  20/21 | **SA3.2-Cliff Problems (First 30 minutes)**  **VF**-3H Arc problems  **DI**-Demos | Turn in FA3.2 | **Watch: Videos 3H** | |
| 7  Nov  26/27 | **GW**-Arc Quizlette  **GW**-FA3.3 Arc Problems  **GW**-Projectile PHET Simulation: Range | **VF 3H, 3I**  Turn in Arc Quizlette  Turn in PHET: Arc | **Watch: Videos 3H, 3I** | |
| 8  Nov  28/29 | **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 | |
| 9  Nov 30/  Dec 3 | **GW**-Boat x River Quizlette  **GW**-FA3.4 Boat x River | **VF 3J**  Turn in Boat x River Quizlette |  | |
| 10  Dec  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** | |
| 11  Dec  6/7 | **GW**-Marble Lab  **VF-**4A, 4B, 4C | Turn In Marble Lab |  | |
| 12  Dec  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: |