IB Physics

Chapter 3 Syllabus: Two Dimensional Kinematics

Vectors and Projectile Motion

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| Block | In Class  | Due on this class: | If you miss this class: |
| 1**Oct** **4/5** | **DI**-Vector ComponentsWork on Labs or VFs |  | **Watch:** Videos 3A |
| 2Oct 8/9 | **GW**-Vector Sheet**GW**-FA3.1**GW**-Finish up chapter 2 labs? | **VF 3C, 3D, 3E (Vector operations)**Turn In: Moving Plots, Air Rocket, Plot Matching labs | **Watch:** Videos 3C, 3D, 3E |
| 3Oct 10/11 | **SA3.1-Vectors (first 30 minutes)****VF**-3F Basic Cliff Problems**DI**-Demos and Unwise (last 40 minutes) | Turn In: FA 3.1 | **Watch:** Videos 3F |
| 4**Oct** **15/16** | **GW**-Cliff QuizletteDemos-Projectile Motion | **VF 3G Complex Cliff Problems** | **Watch:** Videos 3G |
| 5Oct 17/18 | Warmup-Cliff Assessment.**GW**-Arc QuizletteDemos-Boat Crossing River | **VF 3H Arc Problems** | **Watch:** Videos 3H |
| 6**Oct** **19/22** | **SA3.2-Cliff Problems (first 30 minutes)****VF**-3I The Range Equation**DI**-Demos and the Vernier Lab**GW**-Vernier lab | **VF 3J Boat Crossing River Problems**Turn In: FA 3.2 | **Watch:** Videos 3I, 3J |
| 7Oct 23/24 | **SA3.3-Arc Problems (first 30 minutes)****GW**-Vernier Lab | Turn in: FA3.3 |  |
| 8**Oct****29/30** | **Air Rocket Competition (Outside)**GW-Vernier Lab | Turn in: Vernier Lab |  |
| 83/­4 Oct 31/Nov 1 | Demonstrations involving flame and opticsslideshowmusicdancingmagictricksandcelebrityimpersonationsitisnotaparty | **Bring:** A ceramic mug!! |  |
| **Nov** **2/6** | **NEWTON'S LAWS** | **VF 4A, 4B, 4C** |  |
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| Assignments* 2 Labs:
	+ Vernier Trajectories (Simulation on computer) /30 pts
	+ Rocket Competition (no writeup)
* 2 Formative assignments
	+ Cliff Quizlette /20 pts
	+ Arc Quizlette / 20 pts
* 3 Summative/4 Formative assessments
	+ 3.1 – Vectors
	+ 3.2 – Cliff Problems
	+ 3.3 – Arc Trajectories
	+ 3.4 – Boat Crossing River (no summative)
 | \*Handouts: |
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