IB Physics

Chapter 3 Syllabus: Two Dimensional Kinematics

Vectors and Projectile Motion

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| Block | In Class  | Due on this class: |
| **1****Oct 6** | **DI**-Vector ComponentsWork on Labs or VFs | **VF 3A - Types of Vectors****VF 3B - Finding Vector Components** |
| **2**Oct 11 | **GW**-Vector Sheet**GW**-FA3.1**GW**-Finish up chapter 2 labs? | **VF 3C, 3D, 3E (Vector operations)**Turn In: Moving Plots, Air Rocket Labs |
| **3**Oct 13 | **SA3.1-Vectors (first 30 minutes)****VF**-3F Basic Cliff Problems**DI**-Demos and Unwise (last 40 minutes) | Turn In: FA 3.1 |
| **4****Oct 15** | **GW**-Cliff QuizletteDemos-Projectile Motion**GW**-Vernier lab | **VF-3F Basic Cliff Problems****VF 3G Complex Cliff Problems** **VF 3H Arc Problems** |
| **5**Oct 19 | Warmup-Cliff Assessment.**GW**-Arc Quizlette | **VF 3J Boat Crossing River Problems** |
| **6****Oct 21** | Warmup - Arc AssessmentDemos-Boat Crossing River/Monkey Hunter**GW** - Finish QL and FAs and Vernier Lab | **VF** **3I The Range Equation** |
| 7Oct 25 | **SA3.2-Cliff Problems** **SA3.3-Arc Problems (first 60 minutes)****GW**-Vernier Lab | Turn In: FA 3.2, FA3.3 |
| **8****Oct 27** | **Air Rocket Competition (Outside)**GW-Vernier Lab | Turn in: Vernier Lab |
| **8 3/4****Nov 2** | **Demos involving optics and projections** | **Bring a Ceramic Mug** |
| **1****Nov 4** | **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)
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