IB Physics

Chapter 3 Syllabus: Two Dimensional Kinematics

Vectors and Projectile Motion

|  |  |  |
| --- | --- | --- |
| Block | In Class  | Due on this class: |
| 1**Sept 30****/Oct 1** | **DI**-Vector ComponentsWork on Labs or VFs |  |
| 2**Oct** 2/3 | **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 |
| 3Oct 4/7 | **SA3.1-Vectors (first 30 minutes)****VF**-3F Basic Cliff Problems**DI**-Demos and Unwise (last 40 minutes) | Turn In: FA 3.1 |
| 4Oct 8/9 | **GW**-Cliff QuizletteDemos-Projectile Motion**GW**-Vernier lab | **VF 3G Complex Cliff Problems** **VF 3H Arc Problems** |
| 5**Oct** 10/14 | Warmup-Cliff Assessment.**GW**-Arc Quizlette | **VF 3J Boat Crossing River Problems** |
| 6Oct 15/16 | Warmup - Arc AssessmentDemos-Boat Crossing River/Monkey Hunter**GW** - Finish QL and FAs and Vernier Lab | **VF** **3I The Range Equation** |
| 7**Oct** 17/18 | **SA3.2-Cliff Problems** **SA3.3-Arc Problems (first 60 minutes)****GW**-Vernier Lab | Turn In: FA 3.2, FA3.3 |
| 8Oct 21/22 | **Air Rocket Competition (Outside)**GW-Vernier Lab | Turn in: Vernier Lab |
| Oct23/24 | **NEWTON'S LAWS** | **VF 4A, 4B, 4C** |
|  |  |  |
| 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)
 |
|  |