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 Components  Work 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 Quizlette  Demos-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 Assessment  Demos-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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