IB Physics

Forces

Chapter 4 Syllabus

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| Block | | In Class: | Due on this class: | | If you miss this class: |
| 1  Nov  2/6 | | **DI**-Stupid Teacher Tricks  **GW**-Force, Net force and weight  **DI**-More Than One Force | **VF 4A, 4B, 4C** | | **Watch: Videos 4A, 4B, 4C**  **Read:** 4.1-6 |
| 2  Nov  7/8 | | **DI**-More Stupid Elevator Tricks  **GW**-Vertical Acceleration  **GW**-FA4.2-Vertical Acceleration | **VF 4E** | | **Watch: Videos 4D, 4E** |
| 3  Nov  9/13 | | **SA4.2-Vertical Acceleration (first 30 minutes)**  **VF**-4F Calculating the force of friction  **DI**-Demos/Solving Friction problems | Turn in FA4.2 | | **Watch: Videos 4F, 4G**  **Read:** 4.7 |
| 4  Nov  14/15 | | **GW**-Friction problems  **GW**-FA4.3 - Friction  **DI**-Forces on inclined planes (last 10 minutes) | **(VF 4G?)** | | **Watch: Videos 4G, 4H**  **Read:** 4.8 |
| 5  Nov  16/19 | | **SA4.3-Friction (First 30 minutes)**  **IW**-Inclined Planes  **GW**-Inclined Planes | **VF 4I**  Turn in FA4.3 | | **Watch: Videos 4I** |
| 6  Nov  20/21 | | **DI**-Force Lab Explained  **GW**-Inclined Planes  **GW**-Force Lab |  | |  |
| 7  Nov  26/27 | | **SA4.4-Inclined Planes (First 30 minutes)**  **VF**-4J Pulleys  **GW** Pulleys FA4.5 | Turn in FA4.4 | | **Watch: Videos 4J** |
| 8  Nov  28/29 | | **GW**-Force Lab, Pulleys? | Turn in FA4.5 | |  |
| Nov 30/  Dec 3 | | **Gravity and circular motion!!!!!** | Turn In Force Lab  **VF 5A, 5B** | |  |
| Assignments   * 1 Lab:   + Student designed lab on force (groups of 2) /40 pts * 4 Formative/ 3 Summative Assessments:   + 4.2 – Vertical Dynamics   + 4.3 – Friction   + 4.4 – Inclined Planes   + 4.5 – Pulleys (no summative) | | | Handouts: | | | \*Handouts:  Syllabus-Forces  FA 4.2/FA 4.3/FA 4.4/FA 4.5  Worksheet-NetForceAndFriction  NoteGuide-InclinedPlanesExample  Worksheet-PlanesAndEquil |