IB Physics

Simple Harmonic Motion and Waves

|  |  |  |
| --- | --- | --- |
| A/B | Class  | Due on this class |
| 1Apr 4/5 | **DI**-SHM Demos**GW**-P11.1 #1-15 | **VF 11A** |
| 2Apr 8/9 | **DI**-Resonance**GW**-P11.1 #16-25**GW**-FA11.1 | **VF 11B, 11D** |
| 3Apr10/11 | **SA11.1-Simple Harmonic Motion (first 30)****VF**-11E, 12A, 12B, 12C (Basic Waves) | Turn in FA11.1 |
| 4Apr15/16 | **DI**-Basic Waves**GW**-Resonant Systems Lab | **VF 11E, 12A, 12B, 12C** |
| 5Apr17/18 | **DI**-Waves, Interference, Young's Double slit**GW**-Waves Lab | **VF 12D, 12E, 12F** |
| 6Apr19/22 | **DI-**Standing Waves Demos**GW**-Standing Waves problems | **VF 12G** |
| 7Apr23/24 | **SA12.1-Standing Waves (first 30)****VF** 12H - Doppler**DI**-Doppler/Sonic Boom | Turn in FA12.1 |
| 8Apr25/26 | **GW**-Doppler Effect (12.2)**DI**-Music and Beats | **VF 12H, 12I** |
| 9Apr29/30 | **SA12.2-Doppler Effect (first 30)****VF** 12J, 12K, 12L | Turn in FA12.2 |
| 10May1/2 | **DI**-Oaks Park Prep**GW**-Refraction | **VF 12J, 12K, 12L** |
| 11May3/6 | **DI**-Polarization **GW**-Diffraction and Rayleigh | **VF 12M, 12N, 12O**Turn in FA12.3 (no summative) |
| May 8/9 | **Oaks Park Prep** | **VF 12P, 12Q** |
| May10 | **Oaks Park Day!!!!!!!** |  |
| May13/14 | **Work on Presentations** |  |
| May15/16 | **Oaks Park Presentations to class** |  |
| 4 Formative Assessments/3 Summative:* 11.1 – Simple Harmonic Motion
* 12.1 – Standing Waves
* 12.2 – Doppler and interference
* 12.3 – Refraction (Formative Only)

A Cumulative Final (Don't freak out - I will tell you exactly what is on it)Two Labs:* Sound lab – Your own procedure – done in class. No handout.
* Oaks Park – Student presentations of analysis of work done at Oaks Park
 |