IB Physics

Simple Harmonic Motion and Waves

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| A/B | Class | Due on this class |
| 1  Apr  17/20 | **DI**-SHM Demos  **GW**-P11.1 #1-15 | **VF 11A** |
| 2  Apr  21/22 | **DI**-Resonance  **GW**-P11.1 #16-25  **GW**-FA11.1 | **VF 11B, 11D** |
| 3  Apr  23/24 | **SA11.1-Simple Harmonic Motion (first 30)**  **VF**-11E, 12A, 12B, 12C (Basic Waves) | Turn in FA11.1 |
| 4  Apr  27/28 | **DI**-Basic Waves  **GW**-Resonant Systems Lab | **VF 11E, 12A, 12B, 12C** |
| 5  Apr  29/30 | **DI**-Waves, Interference, Young's Double slit  **GW**-Waves Lab | **VF 12D, 12E, 12F** |
| 6  May  1/4 | **DI**-Oaks Park Prep  **DI-**Standing Waves Demos  **GW**-Standing Waves problems | **VF 12G** |
| **7**  **May**  **5/14\*** | **SA12.1-Standing Waves (first 30)**  **VF** 12H - Doppler  **DI**-Doppler/Sonic Boom | Turn in FA12.1 |
| **8**  **May**  **7/6\*** | Oaks Park Prep |  |
| **May 8** | **Oaks Park!!** | |
| 9  May  11/12 | Oaks Park Work Day |  |
| 10  May  13/20 | **GW**-Doppler Effect (12.2)  **DI**-Music and Beats | **VF 12H, 12I** |
| 11  May  15/18 | Oaks Park Presentations |  |
| May  19/22 | **SA12.2-Doppler Effect (first 30)**  **VF** 12J, 12K, 12L | Turn in FA12.2 |
| **May 20** | **Extravaganza!!!! - 6:00-8:30 Main Commons** | |
| May  21/27 | **GW**-Refraction | **VF 12J, 12K, 12L** |
| May  26/29 | **DI**-Polarization  **GW**-Diffraction and Rayleigh | **VF 12M, 12N, 12O**  Turn in FA12.3 (no summative) |
| May 28/  Jun 2 | Diffraction TBD | **VF 12P, 12Q** |
| Jun  1/4 | Diffraction TBD |  |
| Jun  3/8 | Diffraction TBD | Figure out B day thing??? |
| Jun  5/8 | **SA on Gratings** |  |
|  | **Finals** |  |
| 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 | | |