IB Physics

Simple Harmonic Motion and Waves

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| A/B | Class  | Due on this class |
| 1Apr 17/20 | **DI**-SHM Demos**GW**-P11.1 #1-15 | **VF 11A** |
| 2Apr 21/22 | **DI**-Resonance**GW**-P11.1 #16-25**GW**-FA11.1 | **VF 11B, 11D** |
| 3Apr23/24 | **SA11.1-Simple Harmonic Motion (first 30)****VF**-11E, 12A, 12B, 12C (Basic Waves) | Turn in FA11.1 |
| 4Apr27/28 | **DI**-Basic Waves**GW**-Resonant Systems Lab | **VF 11E, 12A, 12B, 12C** |
| 5Apr29/30 | **DI**-Waves, Interference, Young's Double slit**GW**-Waves Lab | **VF 12D, 12E, 12F** |
| 6May1/4  | **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!!** |
| 9May11/12 | Oaks Park Work Day |  |
| 10May13/20 | **GW**-Doppler Effect (12.2)**DI**-Music and Beats | **VF 12H, 12I** |
| 11May15/18 | 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** |
| May21/27 | **GW**-Refraction | **VF 12J, 12K, 12L** |
| May26/29 | **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** |
| Jun1/4 | Diffraction TBD |  |
| Jun3/8 | Diffraction TBD | Figure out B day thing??? |
| Jun5/8 | **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
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