**Physics G**

Chapters 12 and 13

Waves and Sound

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| Block  | Class  | Due  |
| 1**May 12/13** | -Types of waves-Anatomy of a wave: Wavelength, magnitude, frequency | **-Read:** 12-3 (pp. 452-458) |
| 2**May 14/15** | -Reflections and interference-Standing Waves intro - modes | **-Read:** 12-4 (pp. 459-465)**-Check:** Waves 1-8 |
| 3**May 16/19** | -Standing Waves – wavelength and frequency-Standing Wave Demos | **-Read:** 13-3 (p. 494-499)**-Check:** Waves 9-15**-Turn In:** Waves 1-15 |
| 4**May 20/21** | -Nature of sound-Beats/Demos | **-Read:** 13-1 (pp. 480-484)**-Read:** 13-3 (p. 502-503)**-Check:** Standing Waves 1-8 |
| **May 22/23** | Oaks Park Presentations!! |  |
| 5**May 27/28** | -Doppler effect and shockwaves-Speed of Sound Lab brainstorm and ideas | **-Read:** 13-1 (pp. 485-486)**-Check:** Standing Waves 9-12**-Turn In:** Standing Waves 1-12 |
| 6**May 29/30** | -Speed of Sound Lab-Polarization of Light | **-Read:** (pp. 504-505)**-Check:** Doppler 1-4 |
| 7**June 2/3** | -Mock Test/Final-Finish Lab | **-Check:** Doppler 5-8**-Turn In:** Speed of Sound Lab |
| 8**June 4/5** | -Short Test on Waves -Farewells to the Seniors | **-Turn In:** Doppler 1-8 (1-8 only – the rest is EC) |
| Assignments:* 3 Worksheets:
	+ *Waves* (15) + 2 stamps /34 pts
	+ *Standing Waves* (12) + 2 stamps /28 pts
	+ *Doppler* (8) + 2 stamps /20 pts
* 2 Labs:
	+ Speed Of Sound /30 pts
	+ Oaks Park Lab Presentation /100 pts
* 1 (short) Test:
	+ Waves Test/50 pts
 | Handouts:Worksheet-WavesWorksheet-StandingWavesWorksheet-Doppler |