**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-Waves  Worksheet-StandingWaves  Worksheet-Doppler |