**Physics G**

Chapters 12 and 13

Waves and Sound

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| Block | Class | Due |
| 1  **Apr 21/22** | -Types of waves  -Anatomy of a wave:  Wavelength, magnitude, frequency | **-Read:** 12-3 (pp. 452-458) |
| 2  **Apr 25/26** | -Reflections and interference  -Standing Waves intro - modes | **-Read:** 12-4 (pp. 459-465)  **-Check:** Waves 1-8 |
| 3  **Apr 27/28** | -Standing Waves – wavelength and frequency  -Standing Wave Demos | **-Read:** 13-3 (p. 494-499)  **-Check:** Waves 9-15  **-Turn In:** Waves 1-15 |
| 4  **Apr 29/**  **May2** | -Nature of sound  -Beats/Demos | **-Read:** 13-1 (pp. 480-484)  **-Read:** 13-3 (p. 502-503)  **-Check:** Standing Waves 1-8 |
| 5  **May 3/4** | -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 5/6** |  | **-Read:** (pp. 504-505)  **-Check:** Doppler 1-4 |
| ***May 9/10*** | -Oaks Park prep |  |
| ***May 11/12*** | -Oaks Park prep |  |
| ***May 13*** | Yayaayyayayayyayyy!  Oaks Park!!!! |  |
| ***May 17/18*** | -Oaks Park work day |  |
| ***May 19/20*** | -Oaks Park work day |  |
| ***May 23/24*** | -Oaks Park work day |  |
| ***May 25/26*** | -Oaks Park Presentations to class |  |
| **May 25** | Physics Extravaganza  6:00 -7:00 Commons, 7:30-8:30 Auditorium |  |
| 7  **May 27/31** | -Mock Test  -Finish Lab  -Farewells to the Seniors | **-Check:** Doppler 5-8  **-Turn In:** Speed of Sound Lab |
| **8**  **Jun 1/2** |  |  |
| **9**  **Jun 3/6** | -Speed of Sound Lab |  |
| **10**  **Jun 7/8** | -Polarization of Light |  |
| **11**  **Jun 9/10** | -Test on Waves |  |
| 8  **Finals** | -A Meaningful Final (Not too hard, not worth a ton) | **-Turn In:** Doppler 1-8 (1-8 only – the rest is EC) |
| Assignments:   * 3 Worksheets (Formative)   + *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 | | Handouts:  Worksheet-Waves  Worksheet-StandingWaves  Worksheet-Doppler |