**Physics G**

Chapters 12 and 13

Waves and Sound

|  |  |  |
| --- | --- | --- |
| 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-WavesWorksheet-StandingWavesWorksheet-Doppler |