**Physics G**

Chapters 12 and 13

Waves and Sound

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| Block  | Class  | Due  | If you miss this class: |
| 1**May****23/24** | -Types of waves-Anatomy of a wave: Wavelength, magnitude, frequency |  | **-Read:** 12-3 (pp. 452-458)**-Watch:** Videos A, B, C |
| 2**May****25/26** | -Reflections and interference-Standing Waves intro - modes | **-Check:** Waves 1-8 | **-Read:** 12-4 (pp. 459-465)**-Watch:** Videos D, E, F |
| 3**May****30/31** | -Standing Waves – wavelength and frequency-Work in class on Standing wave problems | **-Check:** Waves 9-15**-Turn In:** Waves 1-15 | **-Read:** 13-3 (p. 494-499)**-Watch:** Videos G |
| 4**June****1/2** | -Standing Wave Demos  | **-Check:** Standing Waves 1-8 | **-Read:** 13-1 (pp. 480-484)**-Read:** 13-3 (p. 502-503)**-Watch:** Videos G |
| 5**June****5/6** | -Nature of sound-Beats/Demos | **-Check:** Standing Waves 9-12**-Turn In:** Standing Waves 1-12 | **-Read:** 13-1 (pp. 485-486)**-Watch:** Videos H, I, J |
| 6**June****7/8** | **Test on Waves** (sans Doppler)Farewell to Seniors! |  |  |
| 7**June****9/12** | Speed of Sound Lab |  |  |
| **8****June****13/14** | -Doppler effect and shockwaves (qualitative)-Final Review |  | **-Watch:** Videos K, L, M |
| Skip | -Doppler effect and shockwaves |  | **-Read:** (pp. 504-505)**-Watch:** Videos K, L, M |
| Skip | -Speed of Sound Lab | **-Turn In:** Doppler 1-8 (1-8 only – the rest is EC) |  |
| Skip | -Mock Test-Finish Lab? | **-Check:** Standing Waves 1a-d, 2a-d |  |
| Skip | -Mock Test-Finish Lab? | **-Check:** Standing Waves 13, 14, 15 |  |
| Skip | -Test on Waves -Farewells to the Seniors | **-Turn In:** Speed of Sound Lab**-Turn In:** Mock Test**-Turn In:** Standing Waves 1a-d, 2a-d, 13, 14, 15 |  |
| Skip | -Polarization of Light -Mock Final |  |  |
| **Finals** | -A Meaningful Final (Not too hard, not worth a ton) |  |  |
| Assignments:* 3 Worksheets (Formative)
	+ *Waves* (15) + 2 stamps /34 pts
	+ *Standing Waves* (12) + 2 stamps /28 pts
	+ *Doppler* (8) + 2 stamps /20 pts - Skip
	+ Mock test 20 pts
* 2 Labs:
	+ Speed Of Sound /30 pts
	+ Oaks Park Lab Presentation /100 pts
* 1 (short) Test:
	+ Waves Test (20 summative points)
 | Handouts: |