**Physics G**

Chapters 12 and 13

Waves and Sound

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| May 7/8Oaks Park Prep | May 9/10Oaks Park Prep | May 11Oaks Park!! | May14/15Work on Presentations | May 16/17Work on Presentations | May 18/21**Presentations to****Class** |

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| Block  | Class  | Due  | If you miss this class: |
| 1**May****22/23** | -The Human Wave-Work on Waves 1-15-Wave simulations | **Video Flip:** A, B, C-Types of waves-Wave calculations with wavelength, velocity, period, frequency | **-Read:** 12-3 (pp. 452-458)**-Watch:** Videos A, B, C |
| 2**May****24/25** | -Standing Wave Demos-Work on Standing Waves: * 1-6 (front)
* 1-5a-d (back)
 | **Video Flip:** F, G Part 1-What and why of standing waves-Different modes/calculations | **-Read:** 12-4 (pp. 459-465)**-Watch:** Videos D, E, F,G |
| 3**May****29/30** | -Work on Standing Waves: * 7-18 (word problems)
 | **Video Flip:** G Part 2 - first three harmonics of three modes | **-Read:** 13-3 (p. 494-499)**-Watch:** Videos G Part 2 |
| 4**May 31/****June 1** | -More Standing Wave Demos -Nature of sound-Beats/Demos | (nada) | **-Read:** 13-1 (pp. 480-484)**-Read:** 13-3 (p. 502-503) |
| 5**June****4/5** | -Work on Doppler 1-12-Hand out mock waves test | **Video Flip:** K, L | **-Read:** 13-1 (pp. 485-486)**-Watch:** Videos K, L |
| 6**June****6/7** | **Test on Waves**Farewell to Seniors! |  |  |
| 7**June****8/11** | -Speed of Sound Lab-Final Review |  |  |
| Skip | -Polarization of Light -Mock Final |  |  |
| **Finals** | -A Meaningful Final (Not too hard, not worth a ton) |  |  |
| Assignments:* 2 Labs:
	+ Speed Of Sound /30 pts
	+ Oaks Park Lab Presentation /100 pts
* 1 (short) Test:
	+ Waves Test (30 points)
 | Handouts: |