**Physics G**

Chapters 12 and 13

Waves and Sound

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| May 7/8  Oaks Park Prep | May 9/10  Oaks Park Prep | May 11  Oaks Park!! | May14/15  Work on Presentations | May 16/17  Work 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: | |