

**Physics Calendar - Waves & Sound: 2013-14(Williams) - Chapters 11-12 (11 days)**

Bold and underlined means put in journal notes (for any problems: Show your work!)

1	<b>Fr:03/14/14</b>	GOALS: Notes, intro, demo slinky & standing waves simulation <ul style="list-style-type: none"> <li>• <b><u>(11-01)</u></b> Notes: Wave definition, anatomy, interference (superposition) &amp; slinky demo, standing waves</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(11-02)</u></b> p 388: 1,2a,2d; p 397+: 23-27, 36</li> <li>• sheet?</li> </ul>
2	<b>Mo:03/17/14</b>	GOALS: Slinky lab <ul style="list-style-type: none"> <li>• Slinky lab - don't kink the slink and be ready for lab quiz</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(11-04)</u></b> p 394: 1-5;</li> <li>• p 397: 29-32</li> <li>• sheet?</li> </ul>
3	<b>Tu:03/18/14</b>	GOALS: Question time/catch up time <ul style="list-style-type: none"> <li>• Q's, HW Quiz, HW time</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(11-06)</u></b> p 387: 1-3</li> <li>• p 397+: 35, 37-39</li> <li>• sheet?</li> </ul>
4	<b>We:03/19/14</b>	GOALS: Notes <ul style="list-style-type: none"> <li>• Resonance, harmonics, forced and sympathetic vibrations: demos</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
5	<b>Th:03/20/14</b>	GOALS: Resonance and related terms with demos <ul style="list-style-type: none"> <li>• Demo: Mr. Jiggly, paired tuning forks &amp; Orange Dilly Boppers teach us about resonance &amp; harmonics</li> <li>• <b><u>(11-08)</u></b> Notes: Resonance, harmonics (even &amp; odd), closed &amp; opened resonators, Western music scale:</li> <li>• If requested, go over problems SIMILAR to p. 427 HW</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(11-07)</u></b> p. 398: 40-43, 46-48</li> </ul>
6	<b>Fr:03/21/14</b>	Catch up and assess where we are <ul style="list-style-type: none"> <li>• Group quiz and/or work day</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(11-09)</u></b> p. 427: 1-4;</li> <li>• p 431: 1,2</li> </ul>
7	<b>Mo:03/24/14</b>	GOALS: We got the beat, we got the beat, yeah.. we got it! <ul style="list-style-type: none"> <li>• Beats demo: tone generator + tuning fork</li> <li>• <b><u>(11-10)</u></b> Notes: Beats, three sound scales</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(11-11)</u></b> p. 415: 1-5;</li> <li>• p 431: 3</li> </ul>
8	<b>Tu:03/25/14</b>	<ul style="list-style-type: none"> <li>• <b>Audacity Laptop day 1</b></li> <li>• Run program, choose “mono”, zoom for enough digits</li> <li>• Become familiar with program</li> <li>• Measure frequency of tuning fork together</li> <li>• Mystery tone practice</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(11-12)</u></b> p. 434+: 4,6-8,16-19</li> </ul>
9	<b>We:03/26/14</b>	<ul style="list-style-type: none"> <li>• <b>Audacity Laptop day 2</b></li> <li>• <u> Holding the sounding bar properly </u></li> <li>• Mystery Tone Challenge</li> <li>• One node means how many waves?</li> </ul> <p>Music wave form (flute) vs tone            Finish lab sheet including “mystery tone”</p> <ul style="list-style-type: none"> <li>• Short lab quiz, and/or collect/check</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(11-13)</u></b> p. 434+: 20-25 (#22 use table in packet if you want)</li> </ul>
10	<b>Th:03/27/14</b> <b>PT Conf</b>	GOALS: Question time/catch up time <ul style="list-style-type: none"> <li>• Group quiz and/or work day</li> </ul>	<ul style="list-style-type: none"> <li>• Sheet?</li> </ul>
ED	<b>Fr:03/28/14</b> <b>11:30 dism</b> <b>End of Q3</b>	GOALS: Recap <ul style="list-style-type: none"> <li>• Review assign/activity with small EC possible</li> </ul>	<ul style="list-style-type: none"> <li>• Have a nice break!</li> </ul>
11	<b>Mo:04/07/14</b>	GOALS: Review Physics of Music if time, or review	<ul style="list-style-type: none"> <li>• Sheet?</li> </ul>
12	<b>Tu:04/08/14</b>	GOALS: Review for test <ul style="list-style-type: none"> <li>• Practice problems or class choice</li> </ul>	<ul style="list-style-type: none"> <li>• Sheet?</li> </ul>
13	<b>We:04/09/14</b>	TEST Waves & Sound	<ul style="list-style-type: none"> <li>•</li> </ul>