

**Physics Calendar - Magnetism & Induction: 2013-14(Williams) - Chapters 19-20 (11 days)**

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

1	<b>We:02/26/14</b>	GOALS: Magnetism overview & introduction <ul style="list-style-type: none"> <li>• Overview and 10-01 &amp; 10-02 to slide 20 (Faraday's law)</li> <li>• Galvanometer demo (derive/prove Faraday's law)</li> <li>• Show x and o symbols for B direction</li> </ul>	<ul style="list-style-type: none"> <li>• R10-01: Simple right hand rule problems</li> </ul>
2	<b>Th:02/27/14</b>	GOALS: Transformers & mixed review...INDUCTION! <ul style="list-style-type: none"> <li>• Finish notes, demo transformer, simple transformer math</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(10-03)</u></b> p 686: 1-3; p 689: 1-3</li> </ul>
3	<b>Fr:02/28/14</b> <b>Teacher's Institute</b>	<ul style="list-style-type: none"> <li>• No school for students</li> </ul>	
4	<b>Mo:03/03/14</b>	GOALS: Review (3 days off!) <ul style="list-style-type: none"> <li>• Show class review and then group time with mixed probs</li> </ul>	<ul style="list-style-type: none"> <li>• R10-02 (mixed problems)</li> </ul>
5	<b>Tu:03/04/14</b>	GOALS: Hard right hand rule! $F = i\mathbf{L} \times \mathbf{B}$ & $F = q\mathbf{v} \times \mathbf{B}$ <ul style="list-style-type: none"> <li>• Go over 10-04 notes; make and/or use FIB's</li> <li>• FIB practice as a class (clickers might be good here)</li> <li>• FIB group practice and/or start HW (including math)</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(10-06)</u></b> p 692: 1-4;</li> </ul>
6L	<b>We:03/05/14</b>	GOALS: Review & Group time <ul style="list-style-type: none"> <li>• Review from yesterday, then HW time</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(10-07)</u></b> p 695+: 2,5,6,22,26,35,40b</li> </ul>
7	<b>Th:03/06/14</b>	GOALS: Lenz's law & Magnet mini lab <ul style="list-style-type: none"> <li>• 10-05: Show Lenz's law &amp; loop problems (packet)</li> <li>• Magnet minilab, then start HW</li> </ul>	<ul style="list-style-type: none"> <li>• R10-03</li> </ul>
8	<b>Fr:03/07/14</b>	GOALS: Go over HW & group activity <ul style="list-style-type: none"> <li>• Go over HW, take any Q's, review loop problems</li> <li>• Start HW as time permits</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(10-08)</u></b> p 714: 1,3; p 722: 1</li> </ul>
9	<b>Mo:03/10/14</b>	GOALS: Generators <ul style="list-style-type: none"> <li>• Show computer lab simulation of generator (demo)</li> <li>• If time permits, do computer lab sim, or more review time depending on class needs</li> <li>• Start HW if time</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(10-09)</u></b> p 729: 1,3,5; p 744+: 2,3,8</li> </ul>
10	<b>Tu:03/11/14</b>	GOALS: Tie up any loose ends <ul style="list-style-type: none"> <li>• Quick review of unit (hi-lights)</li> <li>• Group problems</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>(10-10)</u></b> p 739+: 12,34,36,37</li> </ul>
11	<b>We:03/12/14</b>	GOALS: review day <ul style="list-style-type: none"> <li>• Test TOMORROW!</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
12	<b>Th:03/13/14</b>	<ul style="list-style-type: none"> <li>• Magnetism &amp; Induction Exam</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>