

## Physics Calendar - Forces & Newton's Laws: 2013-14(Williams) - Chapter 4 (11/16 days)

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

L	<b>We:10/02/13</b>	GOALS: Intro unit: trebuchet project, prep FBD HW, normals <ul style="list-style-type: none"> <li>• What a force is and field vs. contact forces</li> <li>• Lazy horse and FBD's (common force names)</li> <li>• Start HW</li> </ul>	<ul style="list-style-type: none"> <li>• <b>(04-01)</b> Notes: Forces: Contact/field, FBD (<math>F_N</math>, <math>F_g</math>, <math>F_A</math> or <math>F_T</math> and <math>F_f</math>):<b>3,4,5,8</b></li> <li>• <b>(04-02)</b> p. 124: All 8 questions</li> </ul>
1	<b>Th:10/03/13</b>	GOALS: Go over HW, Newton's laws <ul style="list-style-type: none"> <li>• Show HW if Q's, Newton's laws (IFA: Bad Italian accent)</li> <li>• Action reaction pairs (identify, examples!)</li> <li>• <math>F_{net} = ma</math> example problems</li> <li>• Adding force vectors (yes, hardest thing in the world)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>(04-03)</b> Notes: Newton's three laws (IFA), net forces, equilibrium, resolving force vectors (trig), FBD's, practice problems similar to HW: <b>6,7,9,10,11</b></li> <li>• <b>(04-04)</b> p. 128: All 3 questions</li> </ul>
2	<b>Fr:10/04/13</b> <b>Pep rally</b>	GOALS: Go over HW and affirm where we are <ul style="list-style-type: none"> <li>• Go over HW Q's and answer Q's</li> <li>• Group quiz</li> </ul>	<ul style="list-style-type: none"> <li>• <b>(04-05)</b> Notes: <math>F_{net} = ma</math> problems:<b>1</b></li> </ul>
3	<b>Mo:10/07/13</b>	GOALS: Go over quiz & HW <ul style="list-style-type: none"> <li>• Go over quiz and HW</li> <li>• Do some page 132 problems together</li> <li>• Intro friction (static and dynamic), demo tomorrow's lab</li> </ul>	<ul style="list-style-type: none"> <li>• <b>(04-06)</b> Notes: Weight, Friction:<b>12,13,14,15,16, 17</b></li> </ul>
4	<b>Tu:10/08/13</b>	GOALS: Do friction lab <ul style="list-style-type: none"> <li>• Do friction lab</li> <li>• Possible short group work, start HW</li> </ul>	<ul style="list-style-type: none"> <li>• <b>(04-08)</b> p. 143: All 5</li> </ul>
5	<b>We:10/09/13</b>	GOALS: Lab quiz & review <ul style="list-style-type: none"> <li>• Take lab quiz</li> <li>• Review Newton's laws and do some friction (group quiz or clix)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>(04-09)</b> p 145+: 1-5, 9, 13, 22, 24, 39</li> </ul>
6	<b>Th:10/10/13</b>	GOALS: Friction quick lab, Group work <ul style="list-style-type: none"> <li>• Using timer and block to find COF of block/floor</li> <li>• Group work and/or HW time</li> </ul>	<ul style="list-style-type: none"> <li>• <b>(04-10)</b> p 145+: 7, 8, 16, 28, 34</li> </ul>
7	<b>Fr:10/11/13</b>	GOALS: Intro Trebuchet project <ul style="list-style-type: none"> <li>• Groups meet, plan project including materials, timing and responsibilities More group review problems</li> </ul>	<ul style="list-style-type: none"> <li>• Celebrate Mr. CC</li> </ul>
8	<b>Tu:10/15/13</b>	GOALS: Review for Test & Trebuchet time <ul style="list-style-type: none"> <li>• Go over HW &amp; Clix/sheet</li> <li>• Project time</li> </ul>	<ul style="list-style-type: none"> <li>• <b>(04-11)</b> p 145+:18, 27, 31, 36</li> </ul>
9PSAT	<b>We:10/16/13</b>	<ul style="list-style-type: none"> <li>• PSAT (juniors, 7:45 - noon?)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>(04-12)</b> p 145+:23, 25, 32, 38</li> </ul>
10	<b>Th:10/17/13</b>	GOALS: Prep for test & continue on project <ul style="list-style-type: none"> <li>• Class choice</li> </ul>	<ul style="list-style-type: none"> <li>• Study for test</li> </ul>
11	<b>Fr:10/18/13</b>	<ul style="list-style-type: none"> <li>• Test: Forces &amp; Newton's Laws</li> </ul>	<ul style="list-style-type: none"> <li>• Work on project (this is your only weekend!)</li> </ul>
12	<b>Mo:10/21/13</b>	<ul style="list-style-type: none"> <li>• Project work day</li> </ul>	<ul style="list-style-type: none"> <li>• Work on project</li> </ul>
13	<b>Tu:10/22/13</b>	<ul style="list-style-type: none"> <li>• Project work day</li> </ul>	<ul style="list-style-type: none"> <li>• Work on project</li> </ul>
14L	<b>We:10/23/13</b>	<ul style="list-style-type: none"> <li>• Project work day</li> </ul>	<ul style="list-style-type: none"> <li>• Work on project</li> </ul>
15	<b>Th:10/24/13</b>	<ul style="list-style-type: none"> <li>• Project work day &amp; project presentations</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
16	<b>Fr:10/25/13</b> <b>End of Q1</b>	<ul style="list-style-type: none"> <li>• Project presentations</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>