

Physics Calendar - Circular motion & simple machines: 2013-14(Williams) - Chapters 7 (12/27 days)

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

1	Mo:11/25/13	GOALS: a_c is toward center, ABS brakes, how fast or how tight of a circle? <ul style="list-style-type: none"> Water bottle in motion: Class demo/lab Group Quiz or HW time: problems: R_{\min}, V_{\max}, μ_{\min} 	<ul style="list-style-type: none"> (07-01) Notes: Circular motion & centripetal acceleration/force:5,6,7 (07-02) p 236: 1-4; p 238: 1-4
2	Tu:11/26/13	GOALS: Cars going over hills: $mg > F_N$, the difference between them if $F_c = ma_c$IT IS ACCELERATING! <ul style="list-style-type: none"> Clix? Present car over hill Coaster and car examples 	<ul style="list-style-type: none"> R07-01 sheet (custom problem sheet)
3ED	We:11/27/13 11:30 dismiss	GOALS: Reinforce previous lessons <ul style="list-style-type: none"> Clix, go over HW, Quiz? 	<ul style="list-style-type: none"> (07-03) Notes: skip gravitation: 12,13,14,15,16,21
4L	Mo:12/02/13	GOALS: Review, introduce torque <ul style="list-style-type: none"> Clix/go over HW What is torque, simple force/torque balances problems Torque lab 	<ul style="list-style-type: none"> R07-02 sheet
5	Tu:12/03/13	GOALS: Harder torque problems - pick simplest pivot point <ul style="list-style-type: none"> Go over harder problems, sitting on a swing, flags, etc. 	<ul style="list-style-type: none"> R07-03 sheet
6	We:12/04/13	GOALS: Review unit concepts thus far <ul style="list-style-type: none"> Recap, group quiz 	<ul style="list-style-type: none"> R07-04 sheet
7	Th:12/05/13	GOALS: Introduce simple machines <ul style="list-style-type: none"> Go over quiz? Intro simple machines 	<ul style="list-style-type: none"> (07-05) Notes: skip coasters, simple machines: trading force for distance!4,17,18,19,20 R07-05 sheet
8	Fr:12/06/13	GOALS: Simple machines lab and problems, IMA, AMA, eff. <ul style="list-style-type: none"> MA problems: Work in = Work out 	<ul style="list-style-type: none"> R07-06 sheet
9	Mo:12/09/13	GOALS: Simple machines lab: F_{in} , F_{out} , d_{in} , d_{out} . <ul style="list-style-type: none"> Do simple machines lab, or Inclined plane lab 	<ul style="list-style-type: none"> (07-06) p 261: 1-3, 5-7; p. 263+: 2,8
10	Tu:12/10/13	GOALS: Group activity <ul style="list-style-type: none"> Clix, Group quiz (go over tomorrow) 	<ul style="list-style-type: none"> (07-07) p. 263+: 3,9,11,35
11L	We:12/11/13	GOALS: Review for test, class choice, or make up day	<ul style="list-style-type: none"> Study for test
12	Th:12/12/13	<ul style="list-style-type: none"> Circular motion & simple machines Exam 	<ul style="list-style-type: none"> Family time!
13	Fr:12/13/13	<ul style="list-style-type: none"> Introduce Olympics project/ROE 10 pt test on 1/10/14 	<ul style="list-style-type: none"> Work on project
14	Mo:12/16/13	Final exam review day/Work on Olympics	<ul style="list-style-type: none"> Final review sheet?
15	Tu:12/17/13	Final exam review day/Work on Olympics	<ul style="list-style-type: none"> Work on project
16	We:12/18/13	Final exam review day/Work on Olympics	<ul style="list-style-type: none"> Final review sheet?
17	Th:12/19/13	Final exam review day/Work on Olympics	<ul style="list-style-type: none"> Work on project
18	Fr:12/20/13 Winter Break!	<ul style="list-style-type: none"> Possible small EC opportunity, study for Final 	<ul style="list-style-type: none"> HAPPY VACATION!
19	Mo:01/06/14	<ul style="list-style-type: none"> Group 1: Olympics 	<ul style="list-style-type: none"> Study for Final
20	Tu:01/07/14	<ul style="list-style-type: none"> Group 2: Olympics 	<ul style="list-style-type: none"> Study for Final
21H2	We:01/08/14	<ul style="list-style-type: none"> Group 3: Olympics 	<ul style="list-style-type: none"> Study for Final
22	Th:01/09/14	<ul style="list-style-type: none"> Group 4: Olympics 	<ul style="list-style-type: none"> Study for Final
23	Fr:01/10/14	<ul style="list-style-type: none"> ROE post-semester exam (up to 10 EC pts on final) 	<ul style="list-style-type: none"> Study for Final
24	Mo:01/13/14	<ul style="list-style-type: none"> Final exam review (can't go over ROE) 	<ul style="list-style-type: none"> Study for Final
Finals	Tu:01/14/14	<ul style="list-style-type: none"> Periods 3, 4/5 (1 PM dismissal) 	<ul style="list-style-type: none"> See you next semester!
Finals	We:01/15/14	<ul style="list-style-type: none"> Periods 2, 10, 7/8 (1 PM dismissal) 	<ul style="list-style-type: none">
Finals	Th:01/16/14 End of Sem1	<ul style="list-style-type: none"> Periods 1, 9 (done @ 11:15, except make-ups) 	<ul style="list-style-type: none"> Teacher's institute so no school for YOU!