

TENTATIVE DATES AND THEMES (2ND QUARTER)

Experience has shown that this schedule changes week-to-week, depending upon a variety of factors, including student ability and attendance. Expect it to change often!

	Date	Themes	HW Due	Handouts / Assignments
1	2 nd Quarter 12/2/2008	<i>Focus Topics: Modeling Phenomena, Laws of Motion</i> <i>Seeing with new eyes: What is acceleration?</i>	Read Text: Prologue Chapter 3 HW	<i>Handouts: Falling Balls Worksheet</i> <i>Assignments: Finish up Chapter 3 HW</i> <i>Text:</i>
2	12/9/2008	<i>Focus Topics: Two dimensional motion</i> <i>Seeing with new eyes: Wave-Particle Duality (Intro to Double-Slit), Mazda Commercial (Rube-Goldberg)</i>	Rolling Ball Report Draft Chapter 3 HW	<i>Handouts: Falling Balls Worksheet</i> <i>Assignments: Finish up Chap 3, Work on Rolling Ball Report and Falling Balls Worksheet</i> <i>Text: (none)</i>
	12/16/2008	Sorry, no class today. :-)		<i>Assignments: Work on Rolling Ball Report and Falling Balls Worksheet</i> <i>Text: Read Chapters 6, 7 (Happy Holidays!)</i>
	12/23/2008	(no class, Merry Christmas!)		
	12/30/2008	(no class, Happy New Year!)		
3	1/6/2009	<i>Focus Topics: Rolling Ball Analysis, Falling Balls Worksheet, Final discussion of reports before turning them in next week.</i> <i>Seeing with new eyes: Orbits are pendulums</i>	Rolling Ball Report Draft Falling Balls Worksheet Ch. 6, Recall Questions	<i>Handouts: (none)</i> <i>Assignments: Finalize Rolling Ball Report and keep working on Falling Balls Worksheet</i> <i>Text:</i>
4	1/13/2009	<i>Focus Topics: Leverage</i> <i>Seeing with new eyes: Torque</i> <i>Experiment: New York Balance</i>	Rolling Ball Final Report Falling Balls Worksheet Ch. 6, Ques to Ponder and Calculations	<i>Handouts: New York Balance Worksheet</i> <i>Assignments: Work on New York Balance Report and Worksheet</i> <i>Text: Chapters 6, 7</i>
5	1/20/2009	<i>Focus Topics: Simple Machines</i> <i>Seeing with new eyes: Momentum (Newton's Cradle)</i>	New York Balance Worksheet Ch. 7, Recall Questions	<i>Handouts: Simple Machines</i> <i>Assignments: Try to finish New York Balance Report</i> <i>Text: Chapters 6, 7</i>
6	1/27/2009	<i>Focus Topics: Final discussion of reports before turning them in next week.</i> <i>Seeing with new eyes: Angular Momentum (Juggling Ball, Rolling Objects)</i>	New York Balance Draft Ch. 7, Ques to Ponder and Calculations	<i>Handouts: (none)</i> <i>Assignments: Finalize New York Balance Report</i> <i>Text: Chapter 11</i>
7	2/3/2009	<i>Focus Topics: Collisions, Impulse</i> <i>Seeing with new eyes: Momentum and Energy</i>	New York Balance Final Ch. 11, Recall Questions	<i>Handouts: Conservation of Momentum</i> <i>Assignments:</i> <i>Text: Chapter 11</i>
8	2/10/2009	<i>Focus Topics: Potential and Kinetic Energy</i> <i>Seeing with new eyes: Entropy</i>	Ch. 11, Ques to Ponder and Calculations	<i>Handouts: Potential and Kinetic Energy</i> <i>Assignments:</i> <i>Text: Chapter 11</i>
	3 rd Quarter	<i>Focus Topics: Light & Sound</i>		<i>Experiments: Spectrometer, Harmonics,</i> <i>Text: Chapters 4, 5 and 12</i>
	4 th Quarter	<i>Focus Topics: Electricity & Magnetism</i>		<i>Experiments: Ohm's Law, RC Circuit</i> <i>Text: Chapters 16, 17, 18, 19</i>