

<b>Jan. 15</b> Syllabus - Calendar, Properties, Spring Lab, Assignments: Spring Lab. Work Speed of Light problems.	<b>Jan. 18</b> Review Spring Lab with Wave Demonstrator Apparatus, Finish spring lab, Go over problems Speed of Light Lab
<b>Jan. 23</b> Go over problems, Einstein's Big Idea	<b>Jan. 25 Light Quiz</b> , Finish EBI, Work on Presentations
<b>Jan. 28 Presentations</b> , Double Slit Experiment Interference Problems	<b>Feb. 1</b> Go Over Problems, Michelson-Morely MU Index of Refraction Lab Interferometer Demo, Fringe Problems Ch. 25
<b>Feb. 5 Guest Speaker</b>	<b>Feb. 8</b>
<b>Feb 12 Light Test- Finish Presentations</b>	
<b>Dilation &amp; Contraction Quiz,</b>	
<b>Feb 19 Time Dilation and Length Contraction</b> Go over Problems, Lorentz MU, Work on Ch.26 problems – time dilation, length contraction	<b>Feb 22</b> Go over problems, <b>Velocities</b> MU Ch. 26 Velocity problems
<b>Feb 26</b> Go over problems, <b>Momentum</b> MU Spark momentum lab, Ch. 26 momentum problems	<b>Feb.29</b> Go over problems, Energy, KE lab Ch. 26 energy/momentum problems
<b>Mar 4</b> Go over problems, Kepler to Einstein MU <b>General Relativity</b> , Review Sheet	<b>Mar 7 Relativity Exam</b> Read Ch. 27
<b>Mar 11</b> Correct Test, <b>Black Body Radiation</b> IR Thermometer Lab, Assign Problems	<b>Mar 14</b> Go over problems, Demo, Photoelectric Problems Photoelectric On-line Lab <a href="http://www.lon.capa.org/~mmp/kap28/PhotoEffect/photo.htm">http://www.lon.capa.org/~mmp/kap28/PhotoEffect/photo.htm</a>
<b>Mar 18</b> Go over problems, Do Photoelectric Lab – Find work function and wavelength of light source, X-ray problems, Go over problems, Show X-ray diffraction apparatus.	<b>Mar 20</b> Goofy Glasses x-ray crystallography simulation, Laser Diffraction grating lab, Assign Dual Nature of Light problems <b>Take</b>
<b>Mar 25 Break</b>	<b>Mar 28 Break</b>
<b>April 1</b> Finish Ch. 27 topics and problems, Heisenberg MU Quiz/Lab practical Ch. 27 Read Ch. 28	<b>April 4 Home Exam Ch. 27</b>
<b>April 8</b> The Hydrogen Atom, Tesla coil demos, Colored flame demo, Assign Bohr Problems	<b>April 11</b> Go over problems, Line Spectra Lab Problems Atomic Spectra
<b>April 15</b> The Atom MU, Electron Configuration, Problems EC	<b>April 18</b> Finish Chapter <b>Ch. 28 Quiz</b> , Read Ch. 29
<b>April 22</b> Ch. 29 Lecture Notes, Radiation Dice Half-Life simulation, Cloud Chamber, Problems Ch. 29	<b>April 25</b> Go over 29 Problems, Finish lecture notes, Geiger counter lab
<b>April 29 Ch.28&amp;29 Exam</b>	
<b>May 6</b> Chapter 30 Lecture notes, Chapter 30 Problems 3-d Homer, Wave	<b>May 9</b> Go over Problems
<b>May 13 Elegant Universe Pt. 1&amp;2</b>	<b>May 16 Elegant Univers Pt. 3</b>
<b>May 20 Presentations</b>	<b>May 23 Papers Due?</b>