

**Teacher:** Mr. Neufeld

**Subject:** Enhanced Physics

**Period:** 6

**Week 2:** 4/27 – 5/1

<b>Content Area &amp; Materials</b>	<b>Learning Objectives</b>	<b>Tasks</b>	<b>Check-in Opportunities</b> <ul style="list-style-type: none"><li>Email</li></ul>	<b>Submission of Work for Grades</b> <ul style="list-style-type: none"><li>Method: Scan, photo, upload, or deliver</li></ul>
Holt Physics textbook	Students will be able to: <ol style="list-style-type: none"><li>1. Explain why light is considered electromagnetic radiation</li><li>2. Identify regions in the electromagnetic spectrum by name</li><li>3. Explain the atomic spectra.</li><li>4. Explain the photoelectric effect</li></ol>	<p><u>Read:</u></p> <ul style="list-style-type: none"><li>• Chapter 13, section 1, Characteristics of Light</li><li>• Chapter 21, sections 1-2, Quantization of Energy and Models of the Atom</li></ul> <p><u>Define key terms:</u> Electromagnetic waves, emission spectrum, absorption spectrum, photons</p> <p><u>Answer section reviews directly at end of sections:</u></p> <ul style="list-style-type: none"><li>• Section Review 13-1</li><li>• Section Review 21-1</li><li>• Section Review 21-2</li></ul>	<p><b>Teacher Office Hours</b> Monday through Friday 9:00-10:00 a.m. &amp; 4:00-5:00 p.m.</p> <p>Students may participate in office hours through email or edmodo.</p>	<p><b>Due</b> by Friday, May 8 at 3 p.m.</p> <p><b>Digital:</b> Submit all assignments though edmodo.com.</p> <p><b>Unplugged:</b> Drop off assignment to the school. Staple all pages together and label each page as shown at the top of this page along with your name: teacher, subject, period, assignment, and student name.</p>

**Teacher:** Mr. Neufeld

**Subject:** Enhanced Physics

**Period:** 6

**Week 3:** 5/4 – 5/8

<b>Content Area &amp; Materials</b>	<b>Learning Objectives</b>	<b>Tasks</b>	<b>Check-in Opportunities</b> <ul style="list-style-type: none"><li>Email</li></ul>	<b>Submission of Work for Grades</b> <ul style="list-style-type: none"><li>Method: Scan, photo, upload, or deliver</li></ul>
Holt Physics textbook	Students will be able to: 1. Explain why evidence supports using the wave model of light in some instances and the particle model of light in others	<u>Read:</u> <ul style="list-style-type: none"><li>Chapter 13, section 2, Flat Mirrors</li><li>Chapter 14, section 1, Refraction</li><li>Chapter 15, sections 1-2 , Interference &amp; Diffraction</li></ul> <u>Define key terms:</u> Reflection, angle of incidence, angle of reflection, virtual image, refraction, index of refraction, coherence, diffraction, resolving power  <u>Answer section reviews directly at end of sections:</u> <ul style="list-style-type: none"><li>Section Review 13-2</li><li>Section Review 14-1</li><li>Section Review 15-1, 15-2</li></ul>	<b>Teacher Office Hours</b> Monday through Friday 9:00-10:00 a.m. & 4:00-5:00 p.m.  Students may participate in office hours through email or edmodo.	<b>Due</b> by Friday, May 15 at 3 p.m.  <b>Digital:</b> Submit all assignments though edmodo.com.  <b>Unplugged:</b> Drop off assignment to the school. Staple all pages together and label each page as shown at the top of this page along with your name: teacher, subject, period, assignment, and student name.