

Number of Days & Suggested Dates	<b>Honors Distance Learning Lessons –April 2020</b>
April 1 – April 6 (4 days)	<ul style="list-style-type: none"> <li>❖ Day 1 (April 1) Finish previous work/ Read over new assignments</li> <li>❖ Day 2 (April 2) Pick up work if needed from the school <ul style="list-style-type: none"> <li>○ <u>Option A</u>: “Atomic Models” video (10 minutes) at <a href="https://www.gpd.org/chemistry-matters/unit-3">https://www.gpd.org/chemistry-matters/unit-3</a> and submit your notes on teams (you can use the “Unit 3A Note-taking guide” in the “toolkit” tab under the video as a guide)</li> <li>○ <u>Option B</u>: Read Chapter 4 Atomic Model/ History (pages 102-121) in the Honors textbook. Take thorough notes then submit your notes on teams. This will be a quiz grade.</li> <li>○ To turn in: Submit your notes from either the videos or the textbook.</li> </ul> </li> <li>❖ Day 3 &amp; 4 (April 3 &amp; April 6) Atomic Timeline Project and Timeline Quiz <ul style="list-style-type: none"> <li>○ <u>Project (test grade)</u>: Create an atomic theory/ history of the atom timeline or infographic, either digitally or handwritten to discuss the main theories and/or discovery of subatomic particles (electrons, protons, neutrons) and the current model of the atom. It must include the following people/ ideas: Democritus, Dalton, Thomson, Rutherford, Bohr, Chadwick, Quantum Mechanical Model (Schrodinger, Heisenberg, etc.). Google “timeline creator” or “infographic creator” for digital option—could also use resources like Powtoon or Prezi.</li> <li>○ <u>Timeline Quiz</u>: Take the atomic timeline quiz in teams after completing the notes and project.</li> </ul> </li> </ul>
April 7-April 8 (2 days)	<ul style="list-style-type: none"> <li>❖ Day 1 (April 7) Periodic Table Notes <ul style="list-style-type: none"> <li>○ <u>Option A</u>: “The Periodic Table” video (16 minutes) at <a href="https://www.gpd.org/chemistry-matters/unit-3">https://www.gpd.org/chemistry-matters/unit-3</a> and submit your notes on teams (you can use the “Unit 3B Note-taking guide” in the “toolkit” tab under the video as a guide)</li> <li>○ <u>Option B</u>: Read Chapter 6 Periodic Table (pages 174-195) in the Honors textbook. Take thorough notes then submit your notes on teams.</li> <li>○ To turn in: Submit your notes from either the videos or the textbook. This will be a quiz grade.</li> </ul> </li> <li>❖ Day 2 (April 8) Subatomic Particle Webquest and Periodic Table Quiz <ul style="list-style-type: none"> <li>○ <u>Webquest (test grade)</u>: Use the resources on teams to complete the “Atoms and Isotope WebQuest Introduction.” This can be completed by watching the videos, the textbook, or prior knowledge/notes taken before the break.</li> <li>○ <u>Periodic Table Quiz</u>: Take the Periodic Table quiz in teams after completing the notes and web-quest.</li> </ul> </li> </ul>
April 9-April 10 (2 days)	<ul style="list-style-type: none"> <li>❖ Day 1 &amp; 2 (April 9-10) Elements Project <ul style="list-style-type: none"> <li>○ Create a project (One page: Handwritten/Drawn or a digital medium) to create a newsletter, a flyer, brochure/pamphlet, infographic, or short story (1-2 pages) about any element (1-118) using online resources, or the element handbook in the back of the textbook. Included the element name, atomic symbol, atomic number, atomic mass, number of protons, electrons, and neutrons for the most stable isotope, electron configuration, and other information (when and who discovered it, physical descriptors and properties, valence electrons, group number, period number, etc. SEE RUBRIC/HANDOUT on Teams.</li> </ul> </li> </ul>
April 13-17	<p><b>SPRING BREAK</b> Have fun and enjoy your much deserved break from school work. I will not be online or answer questions until we are back from Spring Break.</p>

April 20-April 22 (3 days)	<ul style="list-style-type: none"> <li>❖ Day 1 (April 20) Complete any missing work from before spring break. All documents/ assignments for the Atomic Structure Unit, Periodic Table Unit, and Element Project should be completed.</li> <li>❖ Day 2 (April 21) Pick up work if needed from the school <ul style="list-style-type: none"> <li>○ <u>Option A</u>: “Characteristics of Electrons” video (18 minutes) at <a href="https://www.gpd.org/chemistry-matters/unit-3">https://www.gpd.org/chemistry-matters/unit-3</a> and submit your notes on teams (you can use the “Unit 3C note-taking guide” in the “toolkit” tab under the video as a guide)</li> <li>○ <u>Option B</u>: Read Chapter 5 Electrons in the Atom (pages 136-163) in the Honors textbook. Take thorough notes then submit your notes on teams. This will be a quiz grade.</li> <li>○ To turn in: Submit your notes from either the videos or the textbook.</li> </ul> </li> <li>❖ Day 3 &amp; 4 (April 22) Characteristics of Electrons Quiz <ul style="list-style-type: none"> <li>○ <u>Characteristics of Electrons Quiz</u>: Take the atomic timeline quiz in teams after completing the notes and project.</li> </ul> </li> </ul>
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April 23-April 30 (6 days)	<ul style="list-style-type: none"> <li>❖ <u>Option A</u>: Choose one of the following set of lab videos based on 3 review units. After you have watched all of the video, write a 1 – 2 page paper/ lab report that includes a summary of the lab procedures, a description of the observations, a conclusion of the results and explain how it applies in the real world. <ul style="list-style-type: none"> <li>○ <b>CHOOSE ONE</b> <ul style="list-style-type: none"> <li>▪ Unit 2 Segments G, H, &amp; I [Separating Mixtures—Properties of Matter]</li> <li>▪ Unit 5 Segment D &amp; E [Identifying an Unknown – Naming and Chemical Reactions]</li> <li>▪ Unit 6 Segments F &amp; G [Combustion Lab (Rocket Fuel)- Stoichiometry]</li> </ul> </li> </ul> </li> <li>❖ <u>Option B</u>: Write a 1-2 page paper to summarize 4 ways that Chemistry is used in the real world using the “Everyday Chemistry,” “Chemistry and Careers,” “Chemistry and Health,” and “How it Works” articles at the end of each chapter in the textbook.</li> </ul>
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Other resources/ reminders	The Honors textbook is Black and Blue. If you have the green and white textbook instead; here are the pages: Atomic Model/ History [Ch. 4 Pg. 102-112 & Ch. 5 Pg. 128-133] Periodic Table [Ch. 4 Pg. 112-119 & Ch. 6 Pg. 160-162]
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**Honors Suggested work-days**

Monday	Tuesday	Wednesday	Thursday	Friday
		<b>1</b> Finish previous work Release new packet	<b>2</b> Watch Atomic Model Video or read textbook	<b>3</b> Atomic Timeline Project
<b>6</b> Finish timeline project/ take quiz	<b>7</b> Watch Video on Periodic table or read chapter	<b>8</b> Complete Webquest and Quiz	<b>9</b> Elements Project	<b>10</b> Element Project

**SPRING BREAK April 13-17**

<b>20</b> Complete any missing assignments from before spring break	<b>21</b> Watch or read Characteristics of Electrons	<b>22</b> Take Video/ Reading Quiz	<b>23</b> Work on lab videos or reading in text book for 1-2 page paper	<b>24</b> Work on lab videos or reading in text book for 1-2 page paper
<b>27</b> Work on lab videos or reading in text book for 1-2 page paper	<b>28</b> Work on lab videos or reading in text book for 1-2 page paper	<b>29</b> Complete 1-2 page paper if not already	<b>30</b> Make sure all assignments are completed	