Grade 8
Distance Learning Module 7: Week of: May 18th – May 22nd

Grade 8 Science *Modified from Unit #4 - Chemistry*

Targeted Goals from Stage 1: Desired Results

Vocabulary: Protons, neutrons, electrons, valence electrons, Bohr Model, Lewis Dot Diagram

Skills: Synthesize information and communicate learning.

Expectation:

Students will be able to accurately determine the correct number of protons, neutrons, and electrons for any element on the Periodic Table and correctly utilize the information to construct a Bohr Model of the element.

Answer keys are provided to students so that they can self-assess their learning. Students will have a check-in at the end of each week to determine their level of understanding. An answer key will not be provided for this teacher-assessed assignment

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Please review the following video and complete the worksheets.	Subatomic Particle Notes: Atomic Number Notes Please watch the following YouTube video: *How to find the number of protons, neutrons, and electrons from the periodic table*	Please visit: www.ptable.com This will give you an online Periodic Table of Elements to use throughout the unit. If you can, print off a Periodic Table of Elements, that would be very beneficial since you will constantly be using it throughout the unit. If you cannot print a copy but would like a printed copy, you may pick one up at school. (You can print whichever copy that works best for your printer.) You can always use the online version as well as long as you don't mind toggling between screens. PDF copy of the Periodic Table of Elements from ptable.com: **Colored** in Version: Periodic Table.pdf Landscape version:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
		(document posted in Google classroom) PDF copy of the Periodic Table of Elements from ptable.com: **Non-Colored** in version: periodic-table plan.pdf **Worksheet #1:** Determine the # of p+, N+/-, e- **Answer Key to worksheet #1:** Answer Key for Determine the # of p+, N+/-, e-
Tuesday: Please read Chapter 2 from the Chemistry book linked in the center column then continue working on determining the number of protons, neutrons and electrons in an element.	Please Read Chapter 2: (posted in Google classroom)	Please visit: www.ptable.com This will give you an online Periodic Table of Elements to use for the worksheet. Please make sure the Weight, Name and Electron boxes are clicked in the upper right corner of the page. **Worksheet #2:** Using the Periodic Table **Answer Key to Worksheet #2**: Answer Key for Using the Periodic Table
Wednesday:	Please watch the following YouTube video on How to Draw a Bohr Model: (link posted in Google classroom)	Interactive Website to try out: **(There is NO need to submit anything from this website):** http://www.zerobio.com/drag_gr9/bohr/bohr.htm **Worksheet #3:** To complete this document you must do one of three things: you will have to print it, use the Google extension Kami or simply complete this on notebook paper and take a picture. Bohr Model Practice Problems **Answer Key to worksheet #3: Kami Export - Answer Key Periodic_Table_Bohr_Practice (1).pdf** **Worksheets #4 : (With Answer Key)** Bohr Practice To complete this document you must do one of three things: you will have to print it, use the Google extension Kami or simply complete this on notebook paper and take a picture.
Thursday:	Taking a closer look at what you learned this	To complete this document you must do one of three things: you will have to print it, use the Google extension Kami or simply complete this on notebook paper and take a picture.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
	week.	**Worksheet #5: (With answer key attached)** –posted in Google classroom
Friday:	Edulastic Check In: Check of your understanding:	Links will be posted in google classroom.

Week's criteria for success (attach student checklists or rubrics):

Students will be able to complete worksheets and complete Edulastic check in with 80% or greater.

Supportive resources and tutorials for the week (plans for re-teaching):

Chapter 1: (link posted in Google classroom)

Chapter 2 (link posted in Google classroom)

Periodic Table PDF: (posted in Google classroom)