Riverside Middle School
Weekly Planner
Pam Varner

The following weekly plans and assignments are tentative and may change at any time based on the individual needs of my students. Assignments and class activities may be added, deleted, or changed. All changes will be announced in class and written on the homework section of the board located at the front of my classroom. It is the responsibility of the student to write down any changes made to assignments. Changes may not be added to this weekly planner after initially being posted, so please review your child's agenda.

Dates of Instruction:		**Aug. 11 - Jan. 21**	**Please email me at pvarner@greenville.k12.sc.us if you have any questions.**	
Period(s):	**2, 3, 6, 7, & 8**			
Course:	**Science 7**		**Teacher Voice Mail**	**355-7968**

Day	Learning Targets (Standard)	Class Assignments and Assessments Assessments will be used to determine how and what your child is learning. Some assessments will not be assigned a score (student participation and student responses).	Homework
Monday 8/11	**I can explain what Mrs. Varner expects of me this year and share my personal interests with Mrs. Varner by actively listening and discussing the class syllabus and completing an interest inventory with information about myself.**	• **Introduction** • **Syllabus** • **Interest Inventory ~ *About Me* Activities**	• **Return Signed Syllabus and Lab Safety Contract by 8/13** • **All Supplies Due 8/18**
Tuesday 8/12	**I can explain what Mrs. Varner expects of me and share my personal interests by completing the About Me Activities and participating in a review of expectations with at least three of our classroom expectations.**	• ***Who is This Lady*? Quiz** • **Sit/Stand Ice Breaker** • ***About Me* Activities** • **Expectations Review/Summary**	• **Return Signed Syllabus and Lab Safety Contract by 8/13** • **All Supplies Due 8/18**
Wednesday 8/13	**I can show my prior knowledge of physical science by completing the Chemistry Pre-test with my best effort.**	• **Chemistry Pre-Test** **Signed Syllabus & Lab Safety Contract DUE**	• **All Supplies Due 8/18**

Thursday 8/14	**I can show my prior knowledge of physical science by completing the Chemistry Pre-Test with my best effort.** **I can describe the characteristics and skill sets of a scientist by drawing what I think a scientist looks like with relevant tools/equipment.**	• **Finish Chemistry Pre-Test** • ***What is a Scientist?* Activity**	• **All Supplies Due 8/18**
Friday 8/15	**I can introduce myself to Mrs. Varner by presenting my Lab Coat with my likes and interests.**	• **All About Me ~ Science Lab Coat (minor)**	• **All Supplies Due Monday!** • **Have a great weekend!** 😀
Monday 8/18	**I can explain what lab safety procedures should be followed and why they are necessary and important by discussing the lab Safety Contract, touring the lab, and viewing the Lab Safety Video with at least 3 rules for lab safety. (7.S.1A.3)** **I can identify the tools and their function for common tools and equipment that are necessary to carry out scientific investigations by completing the Science Tools Sorting activity with 100% accuracy. (7.S.1A.3)**	**School Supplies Due!** • **Science Binder Set-Up** • **Discuss Lab Safety Contract** • **Tour Science Lab and Emergency Equipment** • **GCSD Lab Safety Video** • **Science Tools Sorting Activity (minor)** • **Blooket ~ Lab Safety Test Review**	• **Study ~ Lab Safety Contract Test on Friday, August 22!**
Tuesday 8/19	**I can explain what lab safety procedures should be followed and why they are necessary and important by completing a Lab Safety Comic Strip with 8 slides accurately depicting a safe science lab. (7.S.1A.3)**	• **SpongeBob Lab Safety** • **Dua Lipa Lab Safety Video** • **Lab Safety OG Video** • **Begin Lab Safety Comic Strip (Rough Draft)**	• **Study ~ Lab Safety Contract Test on Friday, August 22!**
Wednesday 8/20	**I can explain what lab safety procedures should be followed and why they are necessary and important by completing a Lab Safety Comic Strip with 8 slides accurately depicting a safe science lab. (7.S.1A.3)**	• **Lab Safety Comic Strip (Rough Draft)**	• **Study ~ Lab Safety Contract Test on Friday, August 22!**

Thursday 8/21	**I can explain what lab safety procedures should be followed and why they are necessary and important by completing the Lab Safety Test with 100% accuracy. (7.S.1A.3)**	• **Lab Safety Comic Strip (major)** • **Blooket ~ Lab Safety Test Review**	• **Study ~ Lab Safety Contract Test TOMORROW!**
Friday 8/22	**I can explain what lab safety procedures should be followed and why they are necessary and important by completing a Lab Safety Comic Strip with 8 slides accurately depicting a safe science lab. (7.S.1A.3)**	• **Lab Safety Test (major)** • **District Lab Safety Agreement** • **Lab Safety Comic Strip (major)** • **Lab Safety Review Puzzles** **Lab Safety Comic Strip DUE TUESDAY!**	• **None! Have a GREAT weekend!** 🙂
Monday 8/25	**I can apply science and engineering practices to real-world scenarios by completing the Introduction to Science and Engineering Practices Activity with specific examples for each practice. (7-SEP)**	• **Introduction to Science and Engineering Practices Activity (minor)**	• **Lab Safety Comic Strip Due TOMORROW!**
Tuesday 8/26	**I can conduct a well-developed investigation by conducting the Chomp Speed Lab with accurate identification of variables, graphing of data, and interpretation of results to draw conclusions. (7.3)**	**Lab Safety Comic Strip DUE!** • **Chomp Speed Lab (minor)**	• **None!**
Wednesday 8/27	**I can explain chemistry's effect on our everyday lives, two types of observation, and what evidence suggests that a chemical reaction has occurred by completing the "Reaction in a Bag" Lab with naming at least 3 ways that I know that a chemical reaction has taken place. (7-PS1.1, 7-PS1.3, and 7.S.1A.3)**	• **What is Chemistry?** • **Qualitative Observation Notes and Class Discussion** • **"Reaction in a Bag" Lab (minor)**	• **None!**
Thursday 8/28	**I can explain how matter is classified and physical properties of metals and nonmetals by completing the Bite Size Chemistry: Atoms, Elements, and Compounds Virtual activities with an understanding of the relationship between atoms, elements, and compounds. (7-PS1.1A)**	• **Complete "Reaction in a Bag" Lab Report (minor)** • **Bite Size Chemistry: Atoms, Elements, and Compounds Virtual Learning and Simulations (minor)**	• **None!**
Friday 8/29	**I can explain how the Periodic Table is organized and used to identify properties of elements by completing the Bite Size**	• **Bite Size Chemistry: The Periodic Table Virtual Learning and Simulations (minor)**	• **None! Have a GREAT weekend AND LABOR DAY!** 🙂

	Chemistry: The Periodic Table with an understanding of the Periodic Table. (7-PS1.1A)		
Monday 9/1	**😊 Labor Day ~ No School! 😊**		
Tuesday 9/2	**I can explain how matter is classified and physical properties of metals and nonmetals by completing the Bite Size Chemistry: Atoms, Elements, and Compounds Virtual activities with an understanding of the relationship between atoms, elements, and compounds. (7-PS1.1A)** **I can explain how the Periodic Table is organized and used to identify properties of elements by completing the Bite Size Chemistry: The Periodic Table with an understanding of the Periodic Table. (7-PS1.1A)** **I can identify the meaning of terms associated with chemistry by completing the Chemistry Vocabulary Drag-n-Drop with 100% accuracy. (7-PS1)**	• **Complete Bite Size Chemistry Activities (if needed)** • **Chemistry Vocabulary Drag-n-Drop (minor)** **Bitesize Chemistry Assignments Due**	• **Study ~ Chemistry Vocabulary Quiz on Friday, September 12** **Skittles Needed for Atoms Lab by Thursday, September 4**
Wednesday 9/3	**I can explain the smallest particles that make up matter and how matter is classified by completing the Bill Nye "Atoms" EdPuzzle and Chemistry Vocabulary Drag-n-Drop with information learned from the video and informational text provided. (7-PS1)**	• **Bill Nye: Atoms EdPuzzle (minor)**	• **Study ~ Chemistry Vocabulary Quiz on Friday, September 12** **Skittles Needed for Atoms Lab by Thursday, September 4**

Thursday 9/4	**I can explain the smallest particles that make up matter and how matter is classified by actively participating in the "What is Matter?" NearPod Lesson and completing the Atomic Structure Tutorial and Graphic Organizer with 100% accuracy. (7-PS1)**	• **"What is Matter?" NearPod and Guided Notes** • **TED Talk on Atoms** • **PBS Learning Media Atomic Structure Tutorial and Graphic Organizer (minor)**	• **Study ~ Chemistry Vocabulary Quiz on Friday, September 12**
Friday 9/5	**I can explain the smallest particles that make up matter and how matter is classified by completing the Gizmos Element Builder with 100% accuracy. (7-PS1)**	• **Set up Gizmos** • **Gizmos Element Builder (minor)**	• **None! Have a GREAT weekend!** 🙂
Monday 9/8	**I can determine the number of protons, neutrons, and electrons for an element by completing the EdPuzzle and guided practice with the use of data found on a periodic table. (7-PS1)**	• **EdPuzzle: Protons, Neutrons, and Electrons (minor)** • **Guided Atoms Practice (minor)**	• **Study ~ Chemistry Vocabulary Quiz on Friday, September 12**
Tuesday 9/9	**I can explain the smallest particles that make up matter and how matter is classified by completing the Candy Atoms Lab with the correct construction of at least 8 elements. (7.P.2)**	• **Candy Atoms Lab (minor)**	• **Study ~ Chemistry Vocabulary Quiz on Friday, September 12**
Wednesday 9/10	**I can explain how the Periodic Table of Elements is organized and used to identify properties of elements by completing the "Getting to Know the Periodic Table" and "What's in a Name?" activities with the correct identification of groups, periods, metals, nonmetals, and metalloids. (7-PS1)**	• **Periodic Table Notes NearPod Lesson with Guided Notes** • **"Getting to Know the Periodic Table" and "What's in a Name" Activities (minor)**	• **Study ~ Chemistry Vocabulary Quiz on Friday, September 12**
Thursday 9/11	**I can explain how the Periodic Table of Elements is organized by completing the "Getting to Know the Periodic Table" and "What's in a Name?" activities with the correct identification of groups, periods, metals, nonmetals, and metalloids. (7-PS1)**	• **Finish "Getting to Know the Periodic Table" and "What's in a Name" Activities (minor)** • **Blooket ~ Chemistry Vocabulary Review**	• **Study ~ Chemistry Vocabulary Quiz TOMORROW!**

Friday 9/12	**I can identify stems that are important for me to learn in 7th grade science by completing the Science Stems Practice worksheet and Blooket review game with the stems list. (All Standards)** **I can demonstrate my knowledge of terms associated with chemistry by completing the chemistry vocabulary quiz with 100% accuracy. (7-PS1)**	• **Chemistry Vocabulary Quiz (minor)** • **Stems Intro and Practice (minor)** • **Choose Element for Superhero Project**	• **None! Have a GREAT weekend!** 🙂
Monday 9/15	**I can identify the chemical and physical properties of an element by completing the research template with the use of a variety of digital resources. (7-PS1)**	• **Superhero Element Research Project: Day 1 (Research) (major)**	• **Study ~ Stems 1-15 Quiz on Friday (9/19)**
Tuesday 9/16	**I can depict the chemical and physical properties of my element by designing a superhero with specific features that are comparable to my element. (7-PS1)**	• **Superhero Element Research Project: Day 2 (Design) (major)**	• **Study ~ Stems 1-15 Quiz on Friday (9/19)**
Wednesday 9/17	**I can depict the chemical and physical properties of my element by drawing a superhero with specific features that are comparable to my element. (7-PS1)**	• **Superhero Element Research Project: Day 3 (Draw) (major)**	• **Study ~ Stems 1-15 Quiz on Friday (9/19)**
Thursday 9/18	**I can describe the chemical and physical properties of my element by writing a short story that features my element's unique characteristics with a creative connection between the element and my superhero. (7-PS1)**	• **Superhero Element Research Project: Day 4 (Short Story) (major)**	• **Study ~ Stems 1-15 Quiz TOMORROW!** • **Record Superhero Video (DUE 9/24)**
Friday 9/19	**I can describe the chemical and physical properties of my element by writing a short story that features my element's unique characteristics with a creative connection between the element and my superhero. (7-PS1)**	• **Stems 1-15 Quiz (minor)** • **Superhero Element Research Project Catch Up Day**	• **Record Superhero Video (DUE 9/24)** • **Enjoy your weekend!**

Monday 9/22	**I can explain how matter is classified and name the properties of homogeneous and heterogeneous mixtures by completing the Elements, Compounds, and Mixtures Drag-and-Drop graphic organizer with 100% accuracy. (7-PS1)**	• **Elements, Compounds, and Mixtures NearPod and Guided Notes** • **Elements, Compounds, and Mixtures Drag-n-Drop Graphic Organizer (minor)** • **Periodic Table Study Guide**	• **Record Superhero Video (DUE 9/24!)** • **Study ~ Periodic Table Quiz on Thursday (9/25)**
Tuesday 9/23	**I can name the physical properties of metals and nonmetals by actively listening and participating with the Metals, Non-Metals, and Metalloids notes with an accurate understanding of differences between metals and nonmetals. (7-PS1)**	• **Metals, Non-metals, and Metalloids NearPod and Guided Notes** • **Elements, Compounds, and Mixtures Review Google Slides (minor)**	• **Record Superhero Video (DUE TOMORROW!)** • **Study ~ Periodic Table Quiz on Thursday (9/25)**
Wednesday 9/24	**I can identify metals, nonmetals, and metalloids by completing the Lab Stations with the correct identification of various elements based on their chemical and physical properties. (7-PS1)**	**Element Superhero Project Video Due** • **Choose Your Scrapbook Paper for Upcoming Metals/Nonmetals Project** • **Metals, Nonmetals, and Metalloids Stations (minor)** • **Blooket ~ Periodic Table Quiz Review**	• **Record Superhero Video (DUE by MIDNIGHT!)** • **Study ~ Periodic Table Quiz on TOMORROW!**
Thursday 9/25	**I can explain how the Periodic Table is organized by completing the Periodic Table Quiz with 100% accuracy. (7-PS1)** **I can identify chemical and physical properties of metals and nonmetals by completing the Properties of Matter Lab with data collected from a variety of experiments. (7-PS1 and 7-PS2)**	• **Periodic Table Quiz (minor)** • **Metals and Nonmetals Properties of Matter Virtual Lab Day 1 (minor)**	• **None!**
Friday 9/26	**I can identify chemical and physical properties of metals and nonmetals by completing the Properties of Matter Lab with data collected**	• **SLO Student Survey** • **Metals and Nonmetals Properties of Matter Virtual Lab Day 2 (minor)**	• **None! Have a GREAT weekend!** 🙂

	from a variety of experiments. (7-PS1 and 7-PS2)		
Monday 9/29	I can demonstrate my understanding of the properties of matter and how matter is conserved by completing the Chemistry Mid-Unit Test with my best effort. (7-PS1)	• Chemistry Mid-Unit Test (Students do not need to study for this.)	• Study ~ ECM Quiz on Thursday (10/2)
Tuesday 9/30	I can describe and identify real-world examples of elements, compounds, and mixtures by completing the ECM Quiz Review with 100% accuracy. (7-PS1)	• Blooket ~ ECM Quiz Review • ECM Self-Check Google Form Review (minor)	• Study ~ ECM Quiz on Thursday (10/2)
Wednesday 10/1	I can explain how the Periodic Table is organized and name physical properties of metals and nonmetals by completing the Speed Dating with the Elements activity with at least 5 properties of a metal and 3 of a nonmetal. (7-PS1)	• Speed Dating with the Elements (minor)	• Study ~ ECM Quiz TOMORROW!
Thursday 10/2	I can explain how matter is classified by completing the Elements, Compounds, and Mixtures Quiz with 100% accuracy. (7-PS1) I can name the physical and chemical properties of metals and nonmetals by completing the Metals and Nonmetals EdPuzzle with 100% accuracy. (7-PS1 and 7-PS2)	• ECM Quiz (minor) • EdPuzzle ~ Metals and Nonmetals (minor)	• None!
Friday 10/3	I can investigate and identify a substance as an element, compound, or mixture by observing and working with real-world examples provided by the WEC guest speaker. (7-PS1 and 7-PS2) I can connect what I learn about elements, compounds, and mixtures to real-world examples in the environment, such as water quality in a watershed. (7-PS1 and 7-PS2)	• Elements, Compounds, Mixtures Oh, My! WEC Guest Speaker	• None! Have a GREAT weekend! 🙂

Monday 10/6	**I can identify and review the information that I have not mastered in the Chemistry Unit by completing the Chemistry Mid-Unit Review with my results from the Mid-Unit Chemistry Test. (7-PS1 and 7-PS2)**	• **Chemistry Mid-Unit Review (minor)**	• **None!**
Tuesday 10/7	**I can identify and review the information that I have not mastered in the Chemistry Unit by completing the Chemistry Mid-Unit Review with my results from the Mid-Unit Chemistry Test. (7-PS1 and 7-PS2)**	• **Chemistry Mid-Unit Review (minor)** **Substitute** **Next Year: Do Scrapbook pages before Mid-Unit Review**	• **Complete Chemistry Mid-Unit Review.**
Wednesday 10/8	**I can name the physical and chemical properties of metals and nonmetals by completing the Metals and Nonmetals Scrapbook pages with the creation of one Metals and one Nonmetals scrapbook page with facts, observations, and illustrations about metals and nonmetals. (7-PS1 and 7-PS2)**	• **Metals and Nonmetals Scrapbooking Project (major)**	• **None!**
Thursday 10/9	**I can name the physical and chemical properties of metals and nonmetals by completing the Metals and Nonmetals Scrapbook pages with the creation of one Metals and one Nonmetals scrapbook page with facts, observations, and illustrations about metals and nonmetals. (7-PS1 and 7-PS2)**	• **Metals and Nonmetals Scrapbooking Project (major)**	• **None!**
Friday 10/10	**I can name the physical and chemical properties of metals and nonmetals by completing the Metals and Nonmetals Scrapbook pages with the creation of one Metals and one Nonmetals scrapbook page with facts, observations, and illustrations about metals and nonmetals. (7-PS1 and 7-PS2)**	• **Metals and Nonmetals Scrapbooking Project (major)**	• **None! Have a GREAT weekend!** 🙂
Monday 10/13	😀**Teacher Workday! NO SCHOOL!**😀		

Tuesday 10/14	**I can identify and review the information that I have not mastered in the Chemistry Unit by completing the Chemistry Mid-Unit Review with my results from the Mid-Unit Chemistry Test. (7-PS1 and 7-PS2)**	• **Metals and Nonmetals Scrapbooking Project (major)**	• **Complete Metals and Nonmetals Scrapbook Pages ~ DUE TOMORROW!** • **Study ~ Stems 15-30 Quin on Friday (10/17)**
Wednesday 10/15	**I can explain the relationship between mass, volume, and density of a given substance by actively participating in class notes/demonstrations and completing the density practice problems and review puzzle with 100% accuracy. (7-PS2)**	**Metals/Nonmetals Scrapbook Project DUE at the Beginning of Class (major)** • **Quantitative Observations** • **Density Notes, Demonstrations, and Practice (minor)** • **Archimedes Density Pixel Art (minor)**	• **Study ~ Stems 15-30 Quin on Friday (10/17)**
Thursday 10/16	**I can explain the relationship between mass, volume, and density as it relates to real-world objects by competing in a Sink or Swim War Game and completing practice problems with a partner. (7-PS2)**	• **Sink or Swim War Game (minor)** • **Halloween Density Pixel Art (minor)**	• **Study ~ Stems 15-30 Quin TOMORROW!**
Friday 10/17	**I can explain the relationship between mass, volume, and density of a given substance by completing the Density Virtual Lab with the correct calculation of density for at least 6 real world objects. (7-PS2)**	• **Stems 16-30 Quiz (minor)** • **Density Virtual Lab (minor)**	• **None! Have a GREAT weekend!** 🙂
Monday 10/20	**I can define acids and bases and explain how they relate to the pH scale and demonstrate how various indicators are used to determine pH by completing the Exploring Acids and Bases with BrainPop with describing 3 properties of acids and 3 properties of bases. (7-PS2)**	**ELA Benchmark Modified Schedule** • **Exploring Acids and Bases with BrainPop (minor)** • **Cabbage Juice Indicator EdPuzzle (minor)**	• **Study ~ Stems 1-30 Test on Friday (10/24)**

	I can determine how indicators are used to identify acids and bases by completing the EdPuzzle with 100% accuracy. (7-PS2)		
Tuesday 10/21	I can define acids and bases and explain how they relate to the pH scale and demonstrate how various indicators are used to determine pH by completing the Acids and Bases Stations with 100% accuracy. (7-PS2)	Math Benchmark Modified Schedule • Acids and Bases Stations Activity (minor)	• Study ~ Stems 1-30 Test on Friday (10/24)
Wednesday 10/22	I can define acids and bases and explain how they relate to the pH scale and demonstrate how various indicators are used to determine pH by completing the Acids and Bases Stations with 100% accuracy. (7-PS2)	• Complete Acids and Bases Stations Activity (minor)	• Study ~ Stems 1-30 Test on Friday (10/24)
Thursday 10/23	I can use a calibrated meter and pH paper to test and adjust the pH of salsa to ensure it is safe for consumption by completing the virtual simulations with accuracy and precision. (7-PS2)	• Salsa Simulations Part 1 (pH Scale and Data Analysis) (minor)	• Study ~ Stems 1-30 Test TOMORROW!
Friday 10/24	I can use a calibrated meter and pH paper to test and adjust the pH of salsa to ensure it is safe for consumption by completing the virtual simulations with accuracy and precision. (7-PS2)	• Stems 1-30 Test (major) • Salsa Simulations Part 2 (pH Scale and Data Analysis) (minor) • Catch-Up ~ Density Gizmos, EdPuzzle, BrainPop, Stations	• None! Have a GREAT weekend! 🙂
Monday 10/27	I can define acids and bases and explain how they relate to the pH scale and demonstrate how various indicators are used to determine pH by completing the Good Indicators Lab with a demonstration of how to identify acids and bases using various indicators. (7-PS2)	• Acids and Bases Notes • Acids and Bases: Good Indicators Demonstrations (minor) • Blooket ~ Density, pH, and Acids/Bases Review	• Study ~ Density, Acids, Bases, and pH Scale Quiz on Thursday (10/30)
Tuesday 10/28	I can define acids and bases and explain how they relate to the pH scale and demonstrate how various indicators are used to determine pH by completing the Good Indicators Lab with a demonstration of how to identify acids and bases using various indicators. (7-PS2)	• Day 2: Acids and Bases: Good Indicators Lab (minor)	• Study ~ Density, Acids, Bases, and pH Scale Quiz on Thursday (10/30)

Wednesday 10/29	**I can explain how chemical symbols and formulas are used to translate the components of substances by completing the Counting Atoms practice with 100% accuracy. (7-PS3)**	• **Chemical Symbols and Formulas Notes** • **Counting Atoms Practice (minor)** • **Counting Atoms Dragon's Dungeon (minor)** • **Counting Atoms Pixel Art (minor)**	• **Study ~ Density, Acids, Bases, and pH Scale Quiz TOMORROW!**
Thursday 10/30	**I can identify the reactants and products of a chemical equation and demonstrate how balanced chemical equations support the Law of Conservation of Matter by completing the The Law of Conservation EdPuzzle with 100% accuracy. (7.P.2B.5)**	• **Density, Acids, Bases, and pH Scale Quiz (minor)** • **EdPuzzle: The Law of Conservation of Mass (minor)**	• **None!**
Friday 10/31	**I can identify the reactants and products of a chemical equation and demonstrate how balanced chemical equations support the Law of Conservation of Matter by completing the Chemical Equations ~ Balanced or Unbalanced EdPuzzle with 100% accuracy. (7.P.2B.5)**	• **EdPuzzle: Chemical Equations ~ Balanced or Unbalanced (minor)** • **Formulas and Counting Atoms Pixel Art (minor)**	• **None! Have a HAPPY HALLOWEEN!**
Monday 11/3	**I can identify the reactants and products of a chemical equation and demonstrate how balanced chemical equations support the Law of Conservation of Matter by completing the Balancing Chemical Equations Practice Problems and puzzle with 100% accuracy. (7-PS.5)**	• **Chemical Equations and The Law of Conservation of Matter Notes** • **Balancing Chemical Equations Practice Problems (minor)**	• **Study ~ Counting Atoms and Chemical Equations Quiz on Friday (11/7)**
Tuesday 11/4	**I can identify the reactants and products of a chemical equation and demonstrate how balanced chemical equations support the Law of Conservation of Mass by completing the Task Cards with 100% accuracy. (7-PS.5)**	• **Law of Conservation of Mass Task Cards (minor)**	• **Study ~ Counting Atoms and Chemical Equations Quiz on Friday (11/7)**

Wednesday 11/5	**I can show how a balanced chemical equation supports the law of conservation of matter by creating at least 7 equations with snap cubes. (7-PS.5)**	• **Modeling Chemical Equations and the Law of Conservation of Matter Activity (minor)**	• **Study ~ Counting Atoms and Chemical Equations Quiz on Friday (11/7)**
Thursday 11/6	**I can model how a balanced chemical equation supports the Law of Conservation of Mass by determining the missing mass of products and reactants for at least 10 chemical equations. (7-PS.5)**	• **Missing Mass ~ Chemical Equations Escape Room (minor)**	• **Study ~ Counting Atoms and Chemical Equations Quiz TOMORROW!**
Friday 11/7	**I can count the number of atoms, identify the parts of an equation, and determine if chemical equations are balanced by completing the Counting Atoms and Chemical Equations Quiz with my 100% accuracy. (7-PS.5)**	• **Counting Atoms and Chemical Equations Quiz (minor)**	• **None! Have a GREAT weekend!** 🙂
Monday 11/10	**I can differentiate between ionic and covalent bonds and explain how chemical formulas help identify each by completing the Ionic and Covalent Bonds Activities with the correct identification of at least 5 ionic and 5 covalent bonds from chemical formulas. (7-PS.5)**	• **Classifying Chemical Bonds Notes** • **Sorting Ionic and Covalent Bonds Activities and Practice (minor)** • **Bonds Pixel Art Review (minor)**	• **Study ~ Chemistry Unit Test on Friday, November 21**
Tuesday 11/11	**I can identify evidence that a chemical reaction has taken place by completing the Bill Nye ~ Chemical Reactions EdPuzzle with 100% accuracy. (7-PS.5)**	• **Introduction of Chemical Reactions** • **Bill Nye ~ Chemical Reactions EdPuzzle (minor)**	• **Study ~ Chemistry Unit Test on Friday, November 21**
Wednesday 11/12	**I can identify and describe chemical and physical changes in matter by participating in the Chemical and Physical Changes Nearpod lesson with 100% accuracy in identifying changes observed in the demonstrations and on the final quiz. (7-PS.5)**	• **Chemical and Physical Changes NearPod and Demonstrations (minor)** • **Chemical and Physical Changes Pixel Art Practice (minor)**	• **Study ~ Chemistry Unit Test on Friday, November 21**

Thursday 11/13	**I can demonstrate my understanding of the structures and properties of matter and how matter is conserved as it undergoes changes by accurately answering questions on the Chemistry Study Guide with 100% accuracy. (7.PS)**	• **Chemistry Study Guide and Test Review (minor)**	• **Study ~ Chemistry Unit Test on Friday, November 21**
Friday 11/14	**I can demonstrate my understanding of the structures and properties of matter and how matter is conserved as it undergoes changes by accurately answering questions on the Chemistry Study Guide with 100% accuracy. (7.PS)**	• **Chemistry Study Guide and Unit Review (minor)**	• **None! Have a GREAT weekend!** 🙂
Monday 11/17	**I can identify ecological problems and design solutions in the *Chemistry Matter Lab Experience ~ Make It Better with EcoSolutions* by actively working with a team during our field trip to Roper Mountain Science Center. (7-PS1-2, 7-PS1-3, and 7-PS1-5)**	• **Team 7-1 Roper Mountain Science Center Field Trip**	• **Study ~ Chemistry Unit Test on Friday, November 21**
Tuesday 11/18	**I can review topics in the Chemistry unit by completing the Mission: Chemistry- Digital Scavenger Hunt with 100% accuracy. 7-PS**	• **Mission: Chemistry- Digital Scavenger Hunt Review (minor)**	• **Study ~ Chemistry Unit Test on Friday, November 21**
Wednesday 11/19	**I can review topics in the Chemistry unit that I still struggle with by completing the Chemistry Review Choice Board with at least one review activity for each topic. (7-PS)**	• **Chemistry Test Review Choice Board Assignment (minor)**	• **Study ~ Chemistry Unit Test on Friday, November 21**
Thursday 11/20	**I can review topics in the Chemistry unit that I still struggle with by completing the Chemistry Review Choice Board with at least one review activity for each topic. (7-PS)**	• **Chemistry Test Review Choice Board Assignment (minor)** • **Blooket ~ Chemistry Review Game**	• **Study ~ Chemistry Unit Test TOMORROW!**
Friday 11/21	**I can demonstrate my understanding of the structures and properties of matter and how**	• **Chemistry Test (major)**	• **None! Have a GREAT weekend!** 🙂

	matter is conserved as it undergoes changes by completing the Chemistry Test with 100% accuracy. (7.PS)		
Monday 11/24	**I can analyze the answers to my Chemistry Test to determine which questions I missed, why I missed each question, and how I can improve on future assessments by making corrections with Mrs. V's test correction format. (7-PS)**	• **Chemistry Test Corrections** • **MythBusters Thanksgiving Food Fables (minor)**	• **None!**
Tuesday 11/25	**I can explain what plastics are, how they are made, and describe some of their positive and negative impacts on our world. (7-PS)**	• **PlastiVan Pre-Lesson (minor)**	**Enjoy time with your family and friends!**
11/26-11/28			
Monday 12/1	**I can explain how chemical reactions can lead to the formation of new materials, such as polymers, and describe their unique chemical and physical properties by using my prior**	• ***Flubber* Energy: Potential and Kinetic Preview Lesson (minor)** • ***Flubber* Part 1: Chemical Reactions (minor)**	• **None!**

	knowledge and analyzing scenes from the movie *Flubber*. (7-PS2)		
Tuesday 12/2	**I can identify and describe different types of energy (kinetic, potential, thermal, and elastic) and explain how they appear in scenarios like *Flubber's* motion and interactions. (7-PS3)** **I can describe how energy is stored, transferred, and transformed by analyzing and identifying examples from scenes of the movie *Flubber*. (7-PS3)**	● ***Flubber* Part 2: Energy (minor)**	● **None!**
Wednesday 12/3	**I can summarize the key scientific concepts and themes in the movie *Flubber* and explain how they relate to real-world science, including energy transformations, material properties, and the scientific method by completing the *Flubber* Summary Guide with specific examples from the movie. (7-PS2 & 7-PS3)**	● ***Flubber* Part 3: Summary (minor)**	● **None!**
Thursday 12/4	**I can define plastics chemistry, identify careers available in the chemistry of plastics, describe how plastics contribute to modern life, and explain the environmental advantages of using plastics by actively participating in the hands-on presentation facilitated by PlastiVan with an understanding of the importance of plastics in our everyday lives. (7.EC and 7.PS)**	● **PlastiVan Guest Speaker (major)**	● **None!**

Friday 12/5	**I can show my prior knowledge of energy by completing the Energy Unit Pretest with my best effort. (7-PS3)**	• **Pre-Test: Energy Unit**	• **None! Have a GREAT weekend! 🙂**
Monday 12/8	**I can identify the meaning of terms associated with energy and draw an image to help me remember the meanings by completing the Energy Vocabulary Graphic Organizer with 100% accuracy. (7-PS3.1)**	**Roller Coaster Group Sign Ups** • **Energy Vocabulary Graphic Organizer (minor)**	• **None!**
Tuesday 12/9	**I can describe the types of energy and give specific examples of each type by watching a series of BrainPop videos and applying what I have learned to complete the guided viewing questions with 100% accuracy. (7-PS3-1)**	• **Energy BrainPop (1-29) (minor)**	• **None!**
Wednesday 12/10	**I can describe the types of energy and give specific examples of each type by watching a series of BrainPop videos and applying what I have learned to complete the guided viewing questions with 100% accuracy. (7-PS3-1)**	• **Energy BrainPop (30-56) (minor)**	• **None!**
Thursday 12/11	**I can describe the types of energy and give specific examples of each type by watching a series of BrainPop videos and applying what I have learned to complete the guided viewing questions with 100% accuracy. (7-PS3-1)**	**Modified Schedule: Math Benchmark** • **Energy BrainPop (57-74) (minor)**	• **None!**
Friday 12/12	**I can describe how energy is related to motion and force by completing Lesson 1 (Energy, Motion, Force, and Work) in the *Savvas* Textbook with the accurate calculation of work, force, and motion. (7-PS3.1)**	• **Workbook Lesson 1: Energy, Motion, Force, and Work (minor)**	• **None! Have a GREAT weekend! 🙂**
Monday 12/15	**I can describe how energy is related to motion and force by completing Lesson 1 (Energy, Motion, Force, and Work) in the *Savvas* Textbook with the accurate calculation of work, force, and motion. (7-PS3.1)**	**Modified Schedule: ELA Benchmark** • **Complete Lesson 1: Energy, Motion, Force, and Work (minor)**	• **None!**

Tuesday 12/16	**I can describe how energy is related to motion and force by completing the Work and Power practice problems and Task Cards with the accurate calculation of work, force, and motion. (7-PS3.1)**	● **Calculate Work & Power: Practice Problems/Pixel Art (minor)** ● **Calculating Work & Power Task Cards (minor)**	● **None!**
Wednesday 12/17	**I can identify the different types of energy and where they can be found in the real world by completing the guided notes and the types of energy graphic organizers with 100% accuracy. (7-PS3.1 and 7-PS3.2)**	● **Types of Energy Canva Guided Notes (minor)** ● **Types of Energy Graphic Organizers (minor)**	● **None!**
Thursday 12/18	**I can describe how energy is transferred/transformed and explain how energy transfer supports the Law of Conservation of Energy by completing the Types of Energy EdPuzzle and Pixel Art with 100% accuracy. (7-PS3-5)**	● **EdPuzzle: Types of Energy Bill Nye** ● **Pixel Art: Forms of Energy Review (minor)**	● **None!**
Friday 12/19	**I can identify scientific evidence that supports/disputes the stories and myths that revolve around winter holiday phenomena by using a variety of literary resources to complete the CER graphic organizer. 7.S**	● ***The Science of Winter Holidays (minor)***	● **Have a very MERRY CHRISTMAS! Enjoy your break and do NOT think about school!**

Winter Break ~ NO SCHOOL

Tuesday 1/6	**I can use visual representations to identify factors that affect kinetic and potential energy and explain the relationship between the two types of energy by completing Workbook Lesson 2 with 100% accuracy. (7-PS3-1 and 7-PS3-2)** **I can use scientific reasoning to classify, quantify, and measure different forms of energy using models by completing Workbook Lesson 3 with 100% accuracy. (7-PS3-2 and 7-PS3-5)**	• **Energy Workbook Lessons 2 & 3: Kinetic, Potential, and Other Forms of Energy (minor)**	• **Study ~ Energy Vocab and Calculating Work and Power Quiz on Friday, January 9.**
Wednesday 1/7	**I can use visual representations to identify factors that affect kinetic and potential energy and explain the relationship between the two types of energy by completing Workbook Lesson 2 with 100% accuracy. (7-PS3-1 and 7-PS3-2)** **I can use scientific reasoning to classify, quantify, and measure different forms of**	• **Energy Workbook Lessons 2 & 3: Kinetic, Potential, and Other Forms of Energy (minor)**	• **Study ~ Energy Vocab and Calculating Work and Power Quiz on Friday, January 9.**

	energy using models by completing Workbook Lesson 3 with 100% accuracy. (7-PS3-2 and 7-PS3-5)		
Thursday 1/8	I can show my understanding of the different types of energy and accurately calculate force, work, and power by completing the Energy Quiz with 100% accuracy. (7-PS3-1 and 7-PS3-2) I can describe the difference between kinetic and potential energy and give specific real-world examples of each by completing The Lab Room: Kinetic and Potential Energy Google Slides with a variety of sources. (7-PS3-1)	• Stations: Kinetic and Potential Energy (minor) (Slides 3-9)	• Study ~ Energy Vocab and Calculating Work and Power Quiz TOMORROW!
Friday 1/9	I can describe the difference between kinetic and potential energy and give specific real-world examples of each by completing The Lab Room: Kinetic and Potential Energy Google Slides with a variety of sources. (7-PS3-1)	• Energy Vocab and Calculating Work and Power Quiz (minor) • Complete Stations: Kinetic and Potential Energy (minor) (Slide 10-17)	• None! Have a GREAT weekend! 🙂
Monday 1/12	I can research and analyze information about roller coasters to understand how potential and kinetic energy, energy conservation, and forces like gravity and friction influence their design, and summarize my findings to guide the creation of my roller coaster model. (7-PS3.1, 7-PS3.2, 7-PS3.3)	• Roller Coaster Research (minor)	• None!
Tuesday 1/13	I can design and build a roller coaster model that demonstrates the transformation of potential energy into kinetic energy, explains how energy is conserved, and analyzes the effects of height, mass, and speed on energy transfer, meeting all project criteria with accuracy. (7-PS3.1, 7-PS3.2, 7-PS3.3)	• Roller Coaster In-Class Project (major)	• None!

Wednesday 1/14	**I can design and build a roller coaster model that demonstrates the transformation of potential energy into kinetic energy, explains how energy is conserved, and analyzes the effects of height, mass, and speed on energy transfer, meeting all project criteria with accuracy. (7-PS3.1, 7-PS3.2, 7-PS3.3)**	• **Roller Coaster In-Class Project (major)**	• **None!**
Thursday 1/15	**I can design and build a roller coaster model that demonstrates the transformation of potential energy into kinetic energy, explains how energy is conserved, and analyzes the effects of height, mass, and speed on energy transfer, meeting all project criteria with accuracy. (7-PS3.1, 7-PS3.2, 7-PS3.3)**	• **Roller Coaster In-Class Project (major)**	• **None!**
Friday 1/16	**I can design and build a roller coaster model that demonstrates the transformation of potential energy into kinetic energy, explains how energy is conserved, and analyzes the effects of height, mass, and speed on energy transfer, meeting all project criteria with accuracy. (7-PS3.1, 7-PS3.2, 7-PS3.3)**	• **Roller Coaster In-Class Project (major)**	• **None! Have a GREAT weekend!** 🙂
Monday 1/19	😀**NO SCHOOL ~ Martin Luther King Holiday**😀		
Tuesday 1/20	**I can design and build a roller coaster model that demonstrates the transformation of potential energy into kinetic energy, explains how energy is conserved, and analyzes the effects of height, mass, and speed on energy transfer, meeting all project criteria with accuracy. (7-PS3.1, 7-PS3.2, 7-PS3.3)**	• **Roller Coaster In-Class Project (major)**	
Wednesday 1/21	**I can design and build a roller coaster model that demonstrates the transformation of potential energy into kinetic energy, explains how energy is conserved, and analyzes the effects of height, mass, and speed on energy**	• **Roller Coaster In-Class Project ~ The Final Run: Self and Peer Assessment Day (major)**	• **None!**

	transfer, meeting all project criteria with accuracy. (7-PS3.1, 7-PS3.2, 7-PS3.3)		
Thursday 1/22			
Friday 1/23			
Monday 1/26			
Tuesday 1/27			