Perth Amboy Public Schools
McGinnis Middle School

Teacher:_____Mr. Iezzi_____Subject:__8th Grade Physical Science_____Date:_____1/17-1/20_____

Name of Unit: Unit 3: Matter	**Anticipated Time Frame for teaching unit:** 1 week
Essential / Guiding Questions for the Week/Unit ○ How can you classify Matter? ○ What is the difference between atoms, elements, pure substances, and mixtures? ○ How do atoms of different elements differ? ○ How do mixtures differ from pure substances? ○ What are polymers and how do they form? ○ What is a chemical reaction? ○ How do scientists know a chemical reaction has occurred? ○ What happens to atoms in a chemical reaction? What is meant by the conservation of mass?	
Tier One and Two Vocabulary (word wall words): Atom, Boiling point, Chemical property, Compound, Density, Ductility, Element, Flammability, Heterogeneous, Homogeneous, Mass, Matter, Melting point, Mixture, Molecule, Odor, Physical property, Polymer, Solubility, Synthetic material, Volume	**Link to other disciplines or technology: Social Studies, Language Arts, Math**
NJSLS-Science: MS-PS1-1: Develop models to describe the atomic composition of simple molecules and extended structures MS-PS1-3: Gather and make sense of information to describe that synthetic materials come from natural resources and impact society RST.6-8.1. Cite specific textual evidence to support analysis of science and technical texts. RST.6-8.7. Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).	**Materials: Worksheets, Rulers, Projector, Chemicals, Scales, Lab Safety Equipment, Chemical Glassware, House hold cleaning supplies, Chromebooks, crayons, markers, colored pencils, tape**

Date: OFF	**Date: 1/17/23**	**Date: 1/18/23**	**Date: 1/19/23**	**Date: 1/20/23**
Whole Group Instruction **Objective: What is an Atom?** **Procedure:** 1. Do Now: What is the difference between atoms? Gimkit 2. Classroom DEMO: Atom model 3. Students will work on one of the stations on topic being covered. Students can decide what station they want to complete. 4. During stations I will ask students tiered questions and model/demonstrate how to lead and participate in group or how to complete assignment. 5. If students finish work, students may conduct independent inquiry on STEM activities/ projects. 6. Exit ticket: Matching	***Whole Group Instruction*** **Objective: I will learn what makes up an atom** **Procedure:** 1. Do Now: What are elements? Post it 2. Classroom DEMO: Baking soda, water 3. Students will work on one of the stations on topic being covered. Students can decide what station they want to complete. 4. During stations I will ask students tiered questions and model/demonstrate how to lead and participate in group or how to complete assignment. 5. If students finish work, students may conduct independent inquiry on STEM activities/ projects. 6. Exit ticket :On your toes	***Whole Group Instruction*** **Objective: I will learn to group elements** **Procedure:** 1. Do Now: How can we group atoms? 2. Classroom DEMO: Alien pcitures 3. Students will work on "periodic people" 4. During station I will ask students how they are organizing and reasons why. 5. If students finish work, students may conduct independent inquiry on STEM activities/ projects. 6. Exit ticket: Sketch **I.W.L:** Periodic table **E.Q:** How do we classify elements	***Whole Group Instruction*** **Objective: I will learn periodic trends** **Procedure:** 1. Do Now: How can we classify matter? 2. Classroom DEMO: N/a 3. Students will work on one of the stations on topic being covered. Students can decide what station they want to complete. (legends of learning or NewsEla/Edpuzzle) 4. During stations I will ask students tiered questions and model/demonstrate how to lead and participate in group or how to complete assignment.	***Whole Group Instruction*** **Objective: I will begin working on a project** **Procedure:** 1. Do Now: How can we use this knowledge? 2. Classroom DEMO: N/a 3. Students will work on reflection sheet for first half of class. 4. During the second half of class, stations will create questions for quiz next week on the periodic table and atoms 5. If students finish work, students may conduct independent inquiry on STEM activities/ projects. 6. Exit ticket: Slip

I.W.L: What makes up an atom **E.Q:** What are atoms **C.W:** Students will complete one of the student choice assignments. i.e (Writing prompt, CER, NewsELA, Gizmo, Graphing, nearpod, etc) **E.O.L:** I can complete station and worksheets to 80% accuracy. **HW:** Finish any incomplete stations **NJSLS:** MS-PS1-1, MS-PS1-3	**I.W.L:** How to group atoms **E.Q:** What makes up everything **C.W:** Students will complete one of the student choice assignments. i.e (Writing prompt, CER, NewsELA, Gizmo, Graphing, nearpod, etc) **E.O.L:** I can complete station and worksheets to 80% accuracy. **HW:** Finish any incomplete stations **NJSLS:** MS-PS1-1, MS-PS1-3	**C.W:** Students will complete one of the student choice assignments. i.e (Writing prompt, CER, NewsELA, Gizmo, Graphing, nearpod, etc) **E.O.L:** I can complete station and worksheets to 80% accuracy. **HW:** Finish any incomplete stations **NJSLS:** MS-PS1-1, MS-PS1-3	5. If students finish work, students may conduct independent inquiry on STEM activities/ projects. 6. Exit ticket: 5 questions **I.W.L:** Periodic trends **E.Q:** What trends do you see in the table **C.W:** Students will complete one of the student choice assignments. i.e (Writing prompt, CER, NewsELA, Gizmo, Graphing, nearpod, etc) **E.O.L:** I can complete station and worksheets to 80% accuracy. **HW:** Finish any incomplete stations **NJSLS:** MS-PS1-1, MS-PS1-3	**I.W.L:** How to classify topics **E.Q:** How can you create your own periodic table. **C.W:** Students will complete one of the student choice assignments. i.e (Writing prompt, CER, NewsELA, Gizmo, Graphing, nearpod, etc) **E.O.L:** I can complete station and worksheets to 80% accuracy. **HW:** Finish any incomplete stations **NJSLS:** MS-PS1-1, MS-PS1-3