|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Monday-** | **Tuesday-** | **Wednesday-** | **Thursday-** | **Friday-** |
| **Pre-Planning: Unpacking the Standards** | **TEKS:**(R) - Readiness Standard(S) -Supporting Standard | **Ⓡ SCI.8.5E** Investigate how evidence of chemical reactions indicate that new substances with different properties are formed.**Ⓡ SCI.8.5D** Recognize that chemical formulas are used to identify substances and determine the number of atoms of each element in chemical formulas containing subscripts.**Ⓢ SCI.8.5F** Recognize whether a chemical equation containing coefficients is balanced or not and how that relates to the law of conservation of mass**Ⓡ SCI.8.5A** Describe the structure of atoms including the masses, electrical charges and locations of protons and neutrons in the nucleus and electrons in the electron cloud.**Ⓡ SCI.8.5B** Identify that protons determine an element’s identity, and valence electrons determine its chemical properties including reactivity.**Ⓡ SCI.8.5C** Interpret the arrangement of the Periodic Table including groups and periods, to explain how properties are used to classify elements. | **Ⓡ SCI.8.5E** Investigate how evidence of chemical reactions indicate that new substances with different properties are formed.**Ⓡ SCI.8.5D** Recognize that chemical formulas are used to identify substances and determine the number of atoms of each element in chemical formulas containing subscripts.**Ⓢ SCI.8.5F** Recognize whether a chemical equation containing coefficients is balanced or not and how that relates to the law of conservation of mass**Ⓡ SCI.8.5A** Describe the structure of atoms including the masses, electrical charges and locations of protons and neutrons in the nucleus and electrons in the electron cloud.**Ⓡ SCI.8.5B** Identify that protons determine an element’s identity, and valence electrons determine its chemical properties including reactivity.**Ⓡ SCI.8.5C** Interpret the arrangement of the Periodic Table including groups and periods, to explain how properties are used to classify elements. | **Ⓡ SCI.8.5E** Investigate how evidence of chemical reactions indicate that new substances with different properties are formed.**Ⓡ SCI.8.5D** Recognize that chemical formulas are used to identify substances and determine the number of atoms of each element in chemical formulas containing subscripts.**Ⓢ SCI.8.5F** Recognize whether a chemical equation containing coefficients is balanced or not and how that relates to the law of conservation of mass**Ⓡ SCI.8.5A** Describe the structure of atoms including the masses, electrical charges and locations of protons and neutrons in the nucleus and electrons in the electron cloud.**Ⓡ SCI.8.5B** Identify that protons determine an element’s identity, and valence electrons determine its chemical properties including reactivity.**Ⓡ SCI.8.5C** Interpret the arrangement of the Periodic Table including groups and periods, to explain how properties are used to classify elements. | **Ⓡ SCI.8.5E** Investigate how evidence of chemical reactions indicate that new substances with different properties are formed.**Ⓡ SCI.8.5D** Recognize that chemical formulas are used to identify substances and determine the number of atoms of each element in chemical formulas containing subscripts.**Ⓢ SCI.8.5F** Recognize whether a chemical equation containing coefficients is balanced or not and how that relates to the law of conservation of mass**Ⓡ SCI.8.5A** Describe the structure of atoms including the masses, electrical charges and locations of protons and neutrons in the nucleus and electrons in the electron cloud.**Ⓡ SCI.8.5B** Identify that protons determine an element’s identity, and valence electrons determine its chemical properties including reactivity.**Ⓡ SCI.8.5C** Interpret the arrangement of the Periodic Table including groups and periods, to explain how properties are used to classify elements. | **Ⓡ SCI.8.5E** Investigate how evidence of chemical reactions indicate that new substances with different properties are formed.**Ⓡ SCI.8.5D** Recognize that chemical formulas are used to identify substances and determine the number of atoms of each element in chemical formulas containing subscripts.**Ⓢ SCI.8.5F** Recognize whether a chemical equation containing coefficients is balanced or not and how that relates to the law of conservation of mass**Ⓡ SCI.8.5A** Describe the structure of atoms including the masses, electrical charges and locations of protons and neutrons in the nucleus and electrons in the electron cloud.**Ⓡ SCI.8.5B** Identify that protons determine an element’s identity, and valence electrons determine its chemical properties including reactivity.**Ⓡ SCI.8.5C** Interpret the arrangement of the Periodic Table including groups and periods, to explain how properties are used to classify elements. |
| **Verb(s)**- What verbs define the actions students will need to take when mastering this objective? | * Describe
* Identify
* Determine
* Interpret
* Explain
 | * Describe
* Identify
* Determine
* Interpret
* Explain
 | * Describe
* Identify
* Determine
* Interpret
* Explain
 | * Describe
* Identify
* Determine
* Interpret
* Explain
 | * Describe
* Identify
* Determine
* Interpret
* Explain
 |
| **Concept** -What am I teaching? -What do the students need to know? |  |  |  |  | UNIT 1 Assessment |
| **Context*****Readiness:**** Connections from previous grade level.
* To what degree will this impact learning two years down the road?

***Supporting:**** What Readiness Standards or concepts from the Readiness Standards does it support?
* How does it support the Readiness Standards?
 | **In Grade 6, students:*** were taught that an element is a pure substance represented by chemical symbols
* differentiated between elements and compounds on the most basic level
* compared metals, nonmetals, and metalloids using physical properties such as luster, conductivity, or malleability
 | **In Grade 6, students:*** were taught that an element is a pure substance represented by chemical symbols
* differentiated between elements and compounds on the most basic level
* compared metals, nonmetals, and metalloids using physical properties such as luster, conductivity, or malleability
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 |
| **I will know my students have mastered this standard when they can….** | Describe structure of atom, identify protins, electrons,  |  |  |  |  |
| **I will assess the standard by…..** | Plickers, cold calls, asking leading questions, test in Friday  | Plickers, cold calls, asking leading questions, test on Friday | Plickers, cold calls, asking leading questions, test on Friday. | Plickers, cold calls, asking leading questions, test on Friday. | Unit Test |
| **Vocabulary**(Academic and Content) | Atomic number, physical property, chemical property, atomic mass number, valence electron, covalent bond, element, phase change, electron, ion, isotope, proton, neutron, formula, periodic table, atom, matter, chemistry, element, compound, substance | Atomic number, physical property, chemical property, atomic mass number, valence electron, covalent bond, element, phase change, electron, ion, isotope, proton, neutron, formula, periodic table, atom, matter, chemistry, element, compound, substance | Atomic number, physical property, chemical property, atomic mass number, valence electron, covalent bond, element, phase change, electron, ion, isotope, proton, neutron, formula, periodic table, atom, matter, chemistry, element, compound, substance | Atomic number, physical property, chemical property, atomic mass number, valence electron, covalent bond, element, phase change, electron, ion, isotope, proton, neutron, formula, periodic table, atom, matter, chemistry, element, compound, substance | Atomic number, physical property, chemical property, atomic mass number, valence electron, covalent bond, element, phase change, electron, ion, isotope, proton, neutron, formula, periodic table, atom, matter, chemistry, element, compound, substance |
| **Lesson Topic** (Content Objective) | Unit Review | Unit Review | Unit Review | Unit Review | Unit 1 Assessment |
| **ELPS** (Language Objective) | * ELPS C.1a Use prior knowledge and experiences to understand meanings in English.
* ELPS C.1e Internalize new basic and academic language by using and reusing it in meaningful ways in speaking and writing activities that build concept and language attainment.
* ELPS C.4g Demonstrate comprehension of increasingly complex English by participating in shared reading, retelling or summarizing material, responding to questions, and taking notes commensurate with content area and grade level needs.

ELPS C.5b Write using newly acquired basic vocabulary and content-based grade-level vocabulary. | * ELPS C.1a Use prior knowledge and experiences to understand meanings in English.
* ELPS C.1e Internalize new basic and academic language by using and reusing it in meaningful ways in speaking and writing activities that build concept and language attainment.
* ELPS C.4g Demonstrate comprehension of increasingly complex English by participating in shared reading, retelling or summarizing material, responding to questions, and taking notes commensurate with content area and grade level needs.

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| **Lesson Cycle** | **Engage:** **Warm-Up/Opening** **(5 min)** |  |  |  |  |  |
| **Explore:****INM/Review (0 min):** |  |  |  |  |  |
| **Explain:****Guided Practice**  | Review with EduSmart |  |  |  |  |
| **Elaborate:****Independent Practice (20 min):** | Students take notes using EduSmart | TEK 8.5A, 8.5B, 8.5CLab Stations | TEK 8.5D, 8.5E, 8.5FLab Stations | ALL TEK Review | Students will take Unit 1 Assessment |
| **Evaluate:****Closing (5 min.):** |  |  |  |  |  |
| **Reinforcement** | **Materials/ Resources:** |  |  |  |  | Test Materials  |
| **Homework** | 3 Questions from homework calendar. | 3 Questions from homework calendar. | 3 Questions from homework calendar. | 3 Questions from homework calendar. |  |
| **MODIFICATIONS and/or ACCOMODATIONS:***-Gifted and Talented**-ELL/ ESL**-Special Education* | Shortened Assignments, Highlight key vocabulary, Print Lectures for Student | Shortened Assignments, Highlight key vocabulary, Print Lectures for Student | Shortened Assignments, Highlight key vocabulary, Print Lectures for Student | Shortened Assignments, Highlight key vocabulary, Print Lectures for Student | Shortened Assignments, Highlight key vocabulary, Print Lectures for Student |

**\*All lesson plans are subject to revisions and addendums by teacher.**