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| **Rogene Worley Middle School Weekly Lesson Plan 2015-16 School Year** |
| **Department: Science Grade Level: 8 Six Weeks: 1st Week: 2 Dates: 8/31/15-9/4/15****100% Every Student Every Day** |
|  | **Monday** | **Tuesday** | **Wednesday** |
| **TEKS****Dual Coding** | School Rules/Dress Code @ Library | **SE:** 8.5(A) 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 | **SE:** 8.5(A) 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 |
| **Process Standard** | **Process Standard 8.3(B)** | **Process Standard 8.3(B)** |
| **Lesson****Objective** **(WE will learn)** | We will learn School Rules/Dress Code | We will learn to 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  | We will learn to 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 |
| **I will statement****(Demonstration of learning)** | I will be attentive for Mr. Law & S.L.A.N.T. | I will make an atom model for hydrogen and helium. | I will use my iPad to complete atom simulations at: https://phet.colorado.edu/sims/html/build-an-atom/latest/build-an-atom\_en.html |
| **Purposeful Instructional** **Agenda** |  | 1. Warm up
2. STEMScopes 8.5A Student Guide and Journal Part 1
 | 1. Warm up
2. PhET: Build an Atom
 |
| **Homework:** | **Homework: Complete the questions for Part 1. (Due Tuesday 9/8)** | **Homework: Complete the questions for PhET. (Due Thursday 9/3)** |
| **Seed Question****FSGPT** |  | **What is an atom made of?** | **What does the number of protons mean for an atom?** |
| **AVID****strategy** |  | **Text Annotation** | **Collaborative Inquiry Based Learning** |
| **Kagan Strategy** |  | **Rally Robin** | **Rally Robin** |

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| **Department: Science Grade Level: 8 Six Weeks: 1st Week: 2 Dates: 8/31/15-9/4/15****100% Every Student Every Day** |
|  | **Thursday** | **Friday** | **Notes** |
| **TEKS****Dual Coding** | **SE:** 8.5(A) 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; | **SE:** 8.5(A) 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; | PhET Worksheet due 9/38.5A Student Journal due 9/8 |
| **Process Standard 8.3(B)** | **Process Standard** |
| **Lesson****Objective****(WE will)** | We will learn to 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  | We will learn to 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 |
| **I will statement****(Demonstration of learning)** | I will make an atom model of lithium and beryllium. | I will take Cornell Notes over atomic structure. |
| **Purposeful Instructional** **Agenda** | 1. Warm up
2. STEMScopes 8.5A Student Guide and Student Journal Part II
 |  |
| **Homework: Complete questions for Part II. (Due Tuesday 9/8)** | **Homework: Write a summary for Cornell Notes.** |
| **Seed Question****FSGPT** | **How do the charges of the subatomic particles affect the charge of the whole atom?** | **What do the neutrons do for an atom?** |  |
| **Avid Strategy** | **Collaborative Learning** | **Cornell Notes** |  |
| **Kagan Strategy** |  |  |  |