**JMS Lesson Plan**

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| **Teacher:** | Shelly Vincent | **Subject:** | Science |
| **Date:** | **Beginning:** 8/28/2017**Ending:**  9/1/2017 | **Grades:** | 8th |
| **Learning****Targets:** | I can describe physical and chemical properties.I can describe how properties can help you identify substances.I can explain how properties of substances can be used to separate substances.I can design an experiment to separate a mixture. | **Connects with:** | **Math – Equations with missing variables****Earth Science – Separating Minerals**  |
| **Standard(s):** | S8P1a. Develop and use a model to compare and contrast pure substances (elements and compounds) and mixtures.S8P1c. Plan and carry out investigations to compare and contrast chemical and physical properties of matter. |
| **DOK Level** | **Activities / Assignments / Questions** | **Assessment** |
| **­­****Remediation** | Changes of State are physical changes. | [x]  Formative | [ ] Selected Response - [ ] Constructed Response - [ ] Verbal[ ] Rubric[ ] Other – [ ] Other –  |
| **2** | Anchor Activities – USA Test Prep Chemical and Physical PropertiesISN foldable – Physical Properties vs. Chemical PropertiesLab – Density Liquid LayersCalculating Density worksheetLab – It’s a Gas –Effervescent tablet and balloonKahoot – Physical and Chemical Properties | [x]  Formative[ ]  Summative | [ ] Selected Response - [ ] Constructed Response – [ ] Verbal[ ] Rubric[ ] Other – [ ] Other –  |
| **3** | Analyzing Experiments pg. 67 (1-5)Anchor Activities – USA Test Prep MatterAnalyzing Experiments pg. 67Enrichment/Accelerated Activity – Separating Minerals pg. 63 | [x]  Formative[ ]  Summative | [x] Selected Response[ ] Constructed Response -[ ] Verbal[ ] Rubric[ ] Other – [ ] Other –  |
| **4** |  | [x]  Formative[ ]  Summative | [ ] Selected Response[ ] Constructed Response -[ ] Verbal[ ] Rubric[ ] Other – [ ] Other – |
| **Resources:** |  |

**Monday** – Lab – Density Liquid Layers

 Density worksheet – Sink or Float

 USA Test Prep – Matter and Density

 Science Skills – Density of Materials pg. 49

**Tuesday** – Investigation – Design Your Own Experiment (How can a mixture of sand, salt, and pepper be separated?) pg. 61

 USA Test Prep – Matter and Physical/Chemical Properties

 Analyzing Experiments pg. 67

 Enrichment/Accelerated Activity – Separating Minerals pg. 63

**Wednesday** **–** Chemical properties describe how substances form new substances

 Mini Lab – It’s a Gas (effervescent tablet and balloons)

ISN notes – foldable chemical properties

**Thursday** – Lab – Elephant’s toothpaste

 Kahoot – Physical vs. Chemical Changes

**Friday** – Quiz – Properties of Matter and Compounds/Mixtures

 Intro to Atomic Structure - video via google classroom

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| "No amount of experimentation can ever prove me right; a single experiment can prove me wrong." Albert Einstein |  |