**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. | | | Formative | | Selected Response -  Constructed Response -  Verbal  Rubric  Other –  Other – |
| **2** | Anchor Activities – USA Test Prep Chemical and Physical Properties  ISN foldable – Physical Properties vs. Chemical Properties  Lab – Density Liquid Layers  Calculating Density worksheet  Lab – It’s a Gas –Effervescent tablet and balloon  Kahoot – Physical and Chemical Properties | | | Formative  Summative | | Selected Response -  Constructed Response –  Verbal  Rubric  Other –  Other – |
| **3** | Analyzing Experiments pg. 67 (1-5)  Anchor Activities – USA Test Prep Matter  Analyzing Experiments pg. 67  Enrichment/Accelerated Activity – Separating Minerals pg. 63 | | | Formative  Summative | | Selected Response  Constructed Response -  Verbal  Rubric  Other –  Other – |
| **4** | |  | | 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 |  |