**JMS Lesson Plan**

|  |  |  |  |
| --- | --- | --- | --- |
| **Teacher:** | Shelly Vincent | **Subject:** | Science |
| **Date:** | **Beginning:** 9/4/2017**Ending:**  9/8/2017 | **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.S8P1b. Develop and use models to describe the movement of particles in solids, liquids, gases, and plasma states when thermal energy is added or removed.S8P1c. Plan and carry out investigations to compare and contrast chemical and physical properties of matter.S8P1d. Construct an argument based observational evidence to support the claim that when a change in a substance occurs, it can be classified as either chemical or physical. |
| **DOK Level** | **Activities / Assignments / Questions** | **Assessment** |
| **­­****Remediation** | Changes of State are physical changes. | [x]  Formative | [ ] Selected Response - [ ] Constructed Response - [x] Verbal[ ] Rubric[ ] Other – [ ] Other –  |
| **2** | Anchor Activities – USA Test Prep Chemical and Physical PropertiesPhysical vs. Chemical - worksheets Kahoot – Physical and Chemical PropertiesISN note check and reviewVideos – tube chopKahoot  | [x]  Formative[ ]  Summative | [x] Selected Response - [ ] Constructed Response – [x] Verbal[ ] Rubric[ ] Other – [ ] Other –  |
| **3** | Assessment – Complete a model describing the movement through the states of matterAnchor Activities – USA Test Prep MatterEnrichment/Accelerated Activity – Separating Minerals pg. 63 | [x]  Formative[x]  Summative | [x] Selected Response[x] Constructed Response -[ ] Verbal[ ] Rubric[ ] Other – [ ] Other –  |
| **4** | Construct an argument based on observational evidence to support the claim that when a change in substance occurs, it can be classified as either chemical or physical. | [x]  Formative[ ]  Summative | [ ] Selected Response[ ] Constructed Response -[ ] Verbal[ ] Rubric[ ] Other – [ ] Other – |
| **Resources:** | Tube chopKahootGoogle ClassroomUSA Test Prep |

**Monday** – LABOR DAY

 No School

**Tuesday** – Review physical vs. chemical

 worksheets

 videos – tubechop

**Wednesday** **–** Review physical vs. chemical

 Kahoot

 ISN notes

**Thursday** – Assessment - formative

 Google classroom (tubechop)

**Friday** – Assessment - summative

Short constructed response citing evidence to support a claim

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