**Teacher: Bette Cobb Week of: November 18 – 24, 2019 Subject: 8th Grade GEN & ADV Science Period: 2, 3, 4, 5, 6**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | OBJECTIVES | ACTIVITIES | RESOURCES | HOMEWORK | EVALUATION | Literacy  STANDARDS |
| MON | ACOS:  2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties.  3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions. | **GEN BR:** NB Test  **ADV BR:** Elements, Compounds, & Mixtures Poem  **Students will:**  **GEN:** Complete Pre-Test on Mixtures; make a new title page & table of contents for Mixtures unit; complete vocabulary for Ch. 13 Lessons 1 & 2 (p.233 & 240 in purple books)  **ADV:** Differentiate between pure substance & mixture (p.1-2 notes); complete Pure Substances & Mixtures Stations Lab; discuss types of mixtures (homogeneous & heterogeneous) using Mr. Enn’s powerpoint/ Nuts & Bolts Demo; watch TedED video – Science of Macaroni Salad. | **Glencoe Nature of Science**  Ch. 13 Mixtures, Solubility, & Acid/Base Solutions  Substances & Mixtures pp.452-459  Properties of Solutions pp.460-469  Acids & Base Solutions pp.470-477  **A+/LTF PowerPoints & Notes**  **Teacher Made Notebook Test**  **Elements, Compounds, & Mixtures poem**  **TedED video – Science of Macaroni Salad.**  **Mr. Enn’s PowerPoint**  **Nuts/Bolts Demonstration**  **Pure Substance vs. Mixture Lab**  **(Iron & Sulfur; food coloring in water; sand; rock; shaving cream; oil & water)** | **GEN:** Finish vocabulary  **ADV:** Note interactions p.3 | NB Test; participation | [CCSS.ELA-Literacy.RST.6-8.1](http://www.corestandards.org/ELA-Literacy/RST/6-8/1/)  [CCSS.ELA-Literacy.RST.6-8.2](http://www.corestandards.org/ELA-Literacy/RST/6-8/2/)  [CCSS.ELA-Literacy.RST.6-8.4](http://www.corestandards.org/ELA-Literacy/RST/6-8/4/)  [CCSS.ELA-Literacy.RST.6-8.6](http://www.corestandards.org/ELA-Literacy/RST/6-8/6/)  [CCSS.ELA-Literacy.RST.6-8.7](http://www.corestandards.org/ELA-Literacy/RST/6-8/7/) |
| TUE | ACOS:  2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties.  3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions. | **GEN BR:** Elements, Compounds, & Mixtures Poem  **ADV BR:** Classification of Matter  **Students will:**  **GEN:** Discuss differences between pure substances & mixtures; Nuts & Bolts Demonstration; watch TedED video – Science of Macaroni Salad; complete E, C, M Card Sort Activity; complete Substance vs. Mixtures sheet.  **ADV:** Discuss types of solutions, parts of solutions, and universal solvent using p.6 of notes; demonstrate dissolving solids in different liquids and dissolving different liquids in water. | **Glencoe Nature of Science**  Ch. 13 Mixtures, Solubility, & Acid/Base Solutions  Substances & Mixtures pp.452-459  Properties of Solutions pp.460-469  Acids & Base Solutions pp.470-477  **A+/LTF PowerPoints & Notes**  **Elements, Compounds, & Mixtures Poem**  **Classification of Matter**  **TedED video – Science of Macaroni Salad.**  **Elements, Compounds, & Mixtures Card Sort Activity**  **Mr. Enn’s PowerPoint**  **Dissolving Demonstration** | **GEN:** Finish any unfinished classwork  **ADV:** Review classifications of matter | Bell ringer; participation | [CCSS.ELA-Literacy.RST.6-8.1](http://www.corestandards.org/ELA-Literacy/RST/6-8/1/)  [CCSS.ELA-Literacy.RST.6-8.2](http://www.corestandards.org/ELA-Literacy/RST/6-8/2/)  [CCSS.ELA-Literacy.RST.6-8.4](http://www.corestandards.org/ELA-Literacy/RST/6-8/4/)  [CCSS.ELA-Literacy.RST.6-8.6](http://www.corestandards.org/ELA-Literacy/RST/6-8/6/)  [CCSS.ELA-Literacy.RST.6-8.7](http://www.corestandards.org/ELA-Literacy/RST/6-8/7/) |
| WED | ACOS:  2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties.  3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions. | **GEN BR:** Classification of Matter  **ADV BR:** Checkpoint4.1  **Students will:**  **GEN:** Discuss Heterogeneous & Homogeneous Mixtures; complete sorting activity; differentiate between solute & solvent; start completing Graphic Organizer on Types of Matter; complete Odd One Out.  **ADV:** Using p.7 of notes discuss concentration & differentiate between dilute & concentrated; discuss solubility, including insoluble, saturated, & unsaturated; classify solutions of lemonade in order of concentration; start Salt Solubility Lab. | **Glencoe Nature of Science**  Ch. 13 Mixtures, Solubility, & Acid/Base Solutions  Substances & Mixtures pp.452-459  Properties of Solutions pp.460-469  Acids & Base Solutions pp.470-477  **A+/LTF PowerPoints & Notes**  **A+/LTF Checkpoint 4.1**  **Homogeneous/Heterogeneous Sorting Activity**  **Types of Matter Graphic Organizer**  **Odd One Out**  **Lemonade concentrations**  **Salt Solubility Lab** | **GEN:** Review difference in homogeneous & heterogeneous mixtures.  **ADV:** Review solubility | Bell ringer; Checkpoint; Sorting activity; Lab | [CCSS.ELA-Literacy.RST.6-8.1](http://www.corestandards.org/ELA-Literacy/RST/6-8/1/)  [CCSS.ELA-Literacy.RST.6-8.2](http://www.corestandards.org/ELA-Literacy/RST/6-8/2/)  [CCSS.ELA-Literacy.RST.6-8.4](http://www.corestandards.org/ELA-Literacy/RST/6-8/4/)  [CCSS.ELA-Literacy.RST.6-8.6](http://www.corestandards.org/ELA-Literacy/RST/6-8/6/)  [CCSS.ELA-Literacy.RST.6-8.7](http://www.corestandards.org/ELA-Literacy/RST/6-8/7/) |
| THUR | ACOS:  2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties.  3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions. | **GEN BR:** Text Tuesday – Mixtures 101  **ADV BR:** Note Interactions p.8  **Students will:**  **GEN:** Discuss parts of a solution & how solutions differ - including solute, solvent, solubility, dilute, & concentrated; complete Concentration Lab.  **ADV:** Finish Salt Solubility Lab; complete Solution Practice Questions; discuss p.7 notes – Factors Affecting Solubility. | **Glencoe Nature of Science**  Ch. 13 Mixtures, Solubility, & Acid/Base Solutions  Substances & Mixtures pp.452-459  Properties of Solutions pp.460-469  Acids & Base Solutions pp.470-477  **A+/LTF PowerPoints & Notes**  **Types of Matter Graphic Organizer**  **Text Tuesday – Mixtures 101**  **Concentration Lab**  **Salt Solubility Lab**  **Solubility Practice Questions** | **GEN:** Review parts of a solution  **ADV:** Review solubility | Bell ringer; lab; participation | [CCSS.ELA-Literacy.RST.6-8.1](http://www.corestandards.org/ELA-Literacy/RST/6-8/1/)  [CCSS.ELA-Literacy.RST.6-8.2](http://www.corestandards.org/ELA-Literacy/RST/6-8/2/)  [CCSS.ELA-Literacy.RST.6-8.4](http://www.corestandards.org/ELA-Literacy/RST/6-8/4/)  [CCSS.ELA-Literacy.RST.6-8.6](http://www.corestandards.org/ELA-Literacy/RST/6-8/6/)  [CCSS.ELA-Literacy.RST.6-8.7](http://www.corestandards.org/ELA-Literacy/RST/6-8/7/) |
| F  R  I | ACOS:  2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties.  3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions. | **GEN BR:** 3, 2, 1  3 ex. of matter (ECM)  2 hetero/homo mixtures  1 solution  **ADV BR:** Checkpoint 4.3  **Students will:**  **GEN:** Discuss factors that affect solubility: mixing, heating, crushing solutes; Tasty Solutions Lab.  **ADV:** Review factors affecting solubility p. 4-5 of notes; complete Tasty Solutions Lab; complete Text Tuesday – Mixtures 101; complete Note Interactions p.5; complete Odd One Out. | **Glencoe Nature of Science**  Ch. 13 Mixtures, Solubility, & Acid/Base Solutions  Substances & Mixtures pp.452-459  Properties of Solutions pp.460-469  Acids & Base Solutions pp.470-477  **A+/LTF PowerPoints & Notes**  **A+/LTF Checkpoint 4.3**  **Tasty Solutions Lab (Hershey Kiss Lab)**  **Text Tuesday – Mixtures 101**  **Odd One Out** | **GEN:** None  **ADV:** None | Bell ringer; checkpoint; lab | [CCSS.ELA-Literacy.RST.6-8.1](http://www.corestandards.org/ELA-Literacy/RST/6-8/1/)  [CCSS.ELA-Literacy.RST.6-8.2](http://www.corestandards.org/ELA-Literacy/RST/6-8/2/)  [CCSS.ELA-Literacy.RST.6-8.4](http://www.corestandards.org/ELA-Literacy/RST/6-8/4/)  [CCSS.ELA-Literacy.RST.6-8.6](http://www.corestandards.org/ELA-Literacy/RST/6-8/6/)  [CCSS.ELA-Literacy.RST.6-8.7](http://www.corestandards.org/ELA-Literacy/RST/6-8/7/) |