**Teacher: June Young Week of: November 4 – November 8, 2019 Subject: 8th Grade General Science Period: 1, 2, 3, 4, 6**

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|  | OBJECTIVES | ACTIVITIES | RESOURCES | HOMEWORK | EVALUATION | Literacy  STANDARDS |
| MON | ACOS:  5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.  6. Create a model, diagram, or digital simulation to describe conservation of mass in a chemical reaction & explain the resulting differences between products and reactants.  7. Design, construct, and test a device that either releases or absorbs thermal energy by chemical reactions & modify the device as needed based on criteria. | **GEN BR:** Equation Parts Entrance Ticket  **Students will:**  **GEN:** Finish discussing evidence of chemical reactions; discuss Law of Conservation of Mass; complete Law of Conservation of Mass Lab | **Glencoe Nature of Science**  Ch. 12 Chemical Reactions & Equations  Understanding Chemical Reactions pp.418-428  Types of Chemical Reactions pp.429-434  Energy Changes & Chemical Reactions pp.435-441  **A+/LTF PowerPoints & Notes**  **Law of Conservation of Mass Lab**  **Exothermic & Endothermic Graphs**  **Types of Reactions – Key Concept Builder** | **GEN:** Finish any post lab questions not finished in class. | Bell ringer; 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/) |
| TUE | ACOS:  5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.  6. Create a model, diagram, or digital simulation to describe conservation of mass in a chemical reaction & explain the resulting differences between products and reactants.  7. Design, construct, and test a device that either releases or absorbs thermal energy by chemical reactions & modify the device as needed based on criteria. | **GEN BR:** Complete balancing chemical equations quiz.  **Students will:**  **GEN:** Differentiate between types of chemical reactions; watch video – Types of Chemical Reactions with the Flintstones; complete notes on Chemical Reactions. | **Glencoe Nature of Science**  Ch. 12 Chemical Reactions & Equations  Understanding Chemical Reactions pp.418-428  Types of Chemical Reactions pp.429-434  Energy Changes & Chemical Reactions pp.435-441  **A+/LTF PowerPoints & Notes**  **Evidence Review Questions**  **Energy Changes in Chemical Reactions**  **Types of Chemical Reactions with the Flintstones – video**  **Chemical Reactions PowerPoint**  **Sunset in a Bag lab** | **GEN:** Review for vocabulary quiz Friday. | 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/) |
| WED | ACOS:  5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.  6. Create a model, diagram, or digital simulation to describe conservation of mass in a chemical reaction & explain the resulting differences between products and reactants.  7. Design, construct, and test a device that either releases or absorbs thermal energy by chemical reactions & modify the device as needed based on criteria. | **GEN BR:** Types of Reactions (Home at bottom)  **Students will:**  **GEN:** Balance Types of Reactions sheet; Color Me Reactions. | **Glencoe Nature of Science**  Ch. 12 Chemical Reactions & Equations  Understanding Chemical Reactions pp.418-428  Types of Chemical Reactions pp.429-434  Energy Changes & Chemical Reactions pp.435-441  **A+/LTF PowerPoints & Notes**  **Types of Reactions**  **Color Me Reactions**  **Predicting Products**  **Video – How to Speed Up Chemical Reactions (& get a date)** | **GEN:** Review for vocabulary quiz Friday. | 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/) |
| THUR | ACOS:  5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.  6. Create a model, diagram, or digital simulation to describe conservation of mass in a chemical reaction & explain the resulting differences between products and reactants.  7. Design, construct, and test a device that either releases or absorbs thermal energy by chemical reactions & modify the device as needed based on criteria. | **GEN BR:** Copy data table for lab  **Students will:**  **GEN:** Discuss energy in reactions; differentiate between endothermic & exothermic reactions; complete Sunset in a Bag Lab. | **Glencoe Nature of Science**  Ch. 12 Chemical Reactions & Equations  Understanding Chemical Reactions pp.418-428  Types of Chemical Reactions pp.429-434  Energy Changes & Chemical Reactions pp.435-441  **A+/LTF PowerPoints & Notes**  **A+/LTF 4 Factors Lab**  **Sunset in a Bag Lab** | **GEN:** Review for vocabulary quiz Friday. | Lab; bell ringer | [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:  .  5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.  6. Create a model, diagram, or digital simulation to describe conservation of mass in a chemical reaction & explain the resulting differences between products and reactants.  7. Design, construct, and test a device that either releases or absorbs thermal energy by chemical reactions & modify the device as needed based on criteria. | **GEN BR:** Vocabulary Quiz  **Students will:**  **GEN:** Complete Energy Changes & Chemical Reactions (Key Concept Builder); watch Bill Nye video – Chemical Reactions & answer questions while watching. | **Glencoe Nature of Science**  Ch. 12 Chemical Reactions & Equations  Understanding Chemical Reactions pp.418-428  Types of Chemical Reactions pp.429-434  Energy Changes & Chemical Reactions pp.435-441  **A+/LTF PowerPoints & Notes**  **A+/LTF Checkpoint 3.5**  **A+/LTF 4 Factors Lab**  **Energy Changes & Chemical Reactions**  **Bill Nye Video – Chemical Reactions** | **GEN:** None | Bell ringer; lab; participations | [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/) |