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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  OBJECTIVES |  ACTIVITIES | RESOURCES | HOMEWORK | EVALUATION | LiteracySTANDARDS |
| 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 & EquationsUnderstanding Chemical Reactions pp.418-428Types of Chemical Reactions pp.429-434Energy 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 & EquationsUnderstanding Chemical Reactions pp.418-428Types of Chemical Reactions pp.429-434Energy 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 & EquationsUnderstanding Chemical Reactions pp.418-428Types of Chemical Reactions pp.429-434Energy 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 & EquationsUnderstanding Chemical Reactions pp.418-428Types of Chemical Reactions pp.429-434Energy 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/) |
|  FRI | 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 & EquationsUnderstanding Chemical Reactions pp.418-428Types of Chemical Reactions pp.429-434Energy 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/) |