**Teacher: Bette Cobb Week of: November 11 – November 15, 2019 Subject: 8th Grade GEN & ADV Science Period: 2, 3, 4, 5, 6**

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|  | OBJECTIVES | ACTIVITIES | RESOURCES | HOMEWORK | EVALUATION | Literacy  STANDARDS |
| MON | **Veteran’s Day**  **No School** |  |  |  |  |  |
| TUE | ACOS:  1. Analyze patterns within the periodic table to construct models that illustrate the structure, composition and characteristics of atoms and molecules.  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:** Chemical Equations #1-13  **ADV BR:** Predict product of a chemical reaction & balance the equation  **Students will:**  **GEN:** Discuss rates of reactions & the factors that affect rates: temperature, surface area, concentration, and presence of a catalyst or inhibitor; complete Rates of Reaction Doodle Notes; observe demonstrations of these factors affecting reactions  **ADV:** Review 4 Factors Lab; completed Balancing Equations Scavenger Hunt; reviewing bonding diagrams & naming compounds; start Chemical Reaction Task Cards. | **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  Ch. 7 Foundations of Chemistry  Classifying Matter pp.230-238  Physical Properties pp.239-247  **A+/LTF PowerPoints & Notes**  **4 Factors Demonstrations**  **TED Ed video – How to Speed Up Chemical Reactions (and get a date)**  **Balancing Equations Scavenger Hunt**  **Chemical Reaction Task Cards** | **GEN:** Study for Ch.12 Test Friday  **ADV:** Study for Unit 3 test Thursday & print Unit 4 Notes | Bell ringer; class work | [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:  1. Analyze patterns within the periodic table to construct models that illustrate the structure, composition and characteristics of atoms and molecules.  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:** Chemical Equations #14-19  **ADV BR:** Chemical Equations  **Students will:**  **GEN:** Continue discussing 4 factors that affect reactions; Chemical Reaction Task Cards; begin working on Study Guide for Ch.12 Test.  **ADV:** Finish Task Cards & review for Unit 3 Test. | **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  Ch. 7 Foundations of Chemistry  Classifying Matter pp.230-238  Physical Properties pp.239-247  **A+/LTF PowerPoints & Notes**  **Teacher Made Study Guide**  **Chemical Equations**  **Chemical Reaction Task Cards** | **GEN:** Study for Ch.12 Test Friday  **ADV:** Study for Unit 3 test Thursday & print Unit 4 Notes | 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:  1. Analyze patterns within the periodic table to construct models that illustrate the structure, composition and characteristics of atoms and molecules.  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:** Chemical Equations #20-21  **ADV BR:** Study quietly for 5 minutes  **Students will:**  **GEN:** Correct Study Guide; review for Ch.12 Test tomorrow.  **ADV:** Complete Unit 3 Test; organize NB – every assignment is complete, correct, & secured, title page & table of contents are complete. | **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  Ch. 7 Foundations of Chemistry  Classifying Matter pp.230-238  Physical Properties pp.239-247  **A+/LTF PowerPoints & Notes**  **A+/LTF Unit 3 Test**  **Chemical Equations** | **GEN:** Review for Test Friday.  **ADV:** Print Unit 4 notes | 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/) |
| F  R  I | ACOS:  1. Analyze patterns within the periodic table to construct models that illustrate the structure, composition and characteristics of atoms and molecules.  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:** Study quietly for 5 minutes.  **ADV BR:** Unit 3 NB Test  **Students will:**  **GEN:** Chemical Reactions Test; make a new title page & table of contents for Mixtures.  **ADV:** Make a new title page, table of contents, and tab for Unit 4; complete Elements, Compounds, & Mixtures Poem. | **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  Ch. 7 Foundations of Chemistry  Classifying Matter pp.230-238  Physical Properties pp.239-247  **A+/LTF PowerPoints & Notes**  **Teacher Made Test**  **Teacher Made NB Test**  **Elements, Compounds, & Mixtures Poem** | **GEN:** Organize NB for Test Friday.  **ADV:** Print Unit 4 notes | Test; NB Test | [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/) |