**Teacher: Bette Cobb Week of: October 28 – November 1, 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 | 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. | **GEN BR:** NB Test  **ADV BR:** NB Test  **Students will:**  **GEN:** Complete new title page for Reactions unit, new table of contents, and vocabulary for Ch. 12.  **ADV:** Counting Atoms Review; start Cool Chemical Reaction Lab:   * Choose equipment * Write hypothesis * Write procedures * Get procedures approved * Design data table | **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**  **Teacher made NB Test**  **Counting Atoms**  **Cool Chemical Reaction Lab** | **GEN:** Finish any unfinished classwork.  **ADV:** Finish any unfinished classwork. | 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:  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. | **GEN BR:** How to Count Atoms (front side)  **ADV BR:** Balanced or Unbalanced?  **Students will:**  **GEN:** Identify the parts of a chemical equation; discuss how to count the atoms in a formula; practice counting atoms; watch video – Balancing Chemical Equations for Beginners; start Balancing Equations Challenge.  **ADV:** Complete Cool Chemical Reaction Lab:   * Rewrite any procedures if needed * Conduct experiment * Collect data * Conclusion questions | **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**  **How to Count Atoms**  **Balanced or Unbalanced?**  **Balancing Equations Challenge**  **Balancing Equations for Beginners video - #aumsum** | **GEN:** Finish any unfinished classwork  **ADV:** Finish any unfinished classwork & review for Checkpoint 3.4 | Bell ringer; participation; 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/) |
| 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. | **GEN BR:** Glucose Formula Exit Ticket  **ADV BR:** Checkpoint 3.4  **Students will:**  **GEN:** Watch video – Introduction to Balancing Equations; complete Balancing Act; discuss Law of Conservation of Mass; watch video – Law of Conservation of Mass.  **ADV:** Watch Flintstones video on Reaction Types and fill in chart; identify reaction types of chemical equations; view demonstrations of Reaction Types. | **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 3.4**  **Glucose Formula Exit Ticket**  **Reaction Types Flinstones Video**  **Balancing Act**  **Introduction to Balancing Equations – Tyler DeWitt**  **Law of Conservation of Mass – Ted Ed videos** | **GEN:** Complete any unfinished classwork  **ADV:** Review Reaction Types | 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. | **GEN BR:** Number NB  **ADV BR:** Number NB  **Students will:**  **GEN:** Halloween Activity  **ADV:** Halloween Activity | **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**  **Teacher made questions** | **GEN:** Review balancing equations  **ADV:** Review types of chemical reactions | 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/) |
| 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. | **GEN BR:** Balanced or Unbalanced?  **ADV BR:** Label Equations with Reaction Types Worksheet  **Students will:**  **GEN:** Review Law of Conservation of Mass; complete Law of Conservation of Mass Lab.  **ADV:** Review types of reactions; discuss energy in reactions & activation energy; differentiate between exothermic & endothermic; 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**  **Balanced or Unbalanced?**  **Equation Reaction Types Labeling**  **Law of Conservation of Mass Lab**  **Sunset in a Bag Lab** | **GEN:** Finish any unfinished classwork  **ADV:** Finish any unfinished classwork | 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/) |