**Teacher: Bette Cobb Week of: October 21 – 25, 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:** Fill in naming rules & prefixes on Naming Covalent Compounds.  **ADV BR:** Writing formulas of ionic & covalent compounds  **Students will:**  **GEN:** Utilize electron dot diagrams to show covalent bonding; finish Bonding Basics Notes sheet; complete Naming and Writing Covalent Molecules Notes**.**  **ADV:** Complete Chemical Bonding Task Cards; complete Ionic & Covalent Sorting Activity; review Candy Compounds Lab. | **Glencoe Nature of Science**  Ch. 11 Elements & Chemical Bonds  Electrons & Energy Levels pp.380-387  Compounds, Chemical Formulas, & Covalent Bonds pp.389-395  Ionic & Metallic Bonds pp.397-403  **A+/LTF PowerPoints & Notes**  **Bonding Basics Notes Page – Science Spot**  **Chemical Bonding Task Cards**  **Naming and Writing Covalent Molecules Notes**  **Ionic & Covalent Sorting Cards**  **Candy Compounds Lab** | **GEN:** Study for Boding Test Friday.  **ADV:** Study for Bonding Quiz Wednesday. | 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/) |
| 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:** Covalent Names & Formulas  **ADV BR:** Naming Compounds  **Students will:**  **GEN:** Discuss Metallic bonding; watch video on Metallic bonding, fill in bonding chart with metallic information; Candy Compounds Lab – begin first two columns.  **ADV:** Complete Ionic & Covalent Bonding review sheets; review metallic & hydrogen bonds; review for Bonding Quiz tomorrow. | **Glencoe Nature of Science**  Ch. 11 Elements & Chemical Bonds  Electrons & Energy Levels pp.380-387  Compounds, Chemical Formulas, & Covalent Bonds pp.389-395  Ionic & Metallic Bonds pp.397-403  **A+/LTF PowerPoints & Notes**  **Candy Compounds Lab**  **Chemical Bonding Quizziz**  **Covalent Names & Formulas**  **Naming Compounds**  **Ionic & Covalent Bonding (A)**  **Ionic & Covalent Bonding (B)** | **GEN:** Study for Boding Test Friday.  **ADV:** Study for Bonding Quiz tomorrow. | 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:  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:** In your NB determine what type of bond would occur between Al and I. Draw the bonding. Write the formula for this compound.  **ADV BR:** Study quietly for 5 minutes.  **Students will:**  **GEN:** Finish Candy Compounds Lab; complete Ionic & Covalent Sorting Activity; begin working on Study Guide for Bonding Test. Begin Study Guide  **ADV:** Complete Bonding Quiz – Major Grade; read Chemical Equations article & complete questions; complete front of Balancing Equations Challenge. | **Glencoe Nature of Science**  Ch. 11 Elements & Chemical Bonds  Electrons & Energy Levels pp.380-387  Compounds, Chemical Formulas, & Covalent Bonds pp.389-395  Ionic & Metallic Bonds pp.397-403  **A+/LTF PowerPoints & Notes**  **Candy Compounds Lab**  **Ionic & Covalent Sorting Activity**  **Teacher made Study Guide**  **Teacher made Bonding Quiz**  **Chemical Equations Article**  **Balancing Equations Challenge** | **GEN:** Study for Boding Test Friday.  **ADV:** Review Polyatomic Ions for quiz Friday. | Quiz; 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:  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:** Chemical Bonding Worksheet  **ADV BR:** Why do chemical equations have to be balanced?  **Students will:**  **GEN:** Correct study guide; review for Bonding Test tomorrow.  **ADV:** Discuss and watch TED Ed video – The Law of Conservation of Mass; watch video Introduction to Balancing Equations; complete Balancing Act. | **Glencoe Nature of Science**  Ch. 11 Elements & Chemical Bonds  Electrons & Energy Levels pp.380-387  Compounds, Chemical Formulas, & Covalent Bonds pp.389-395  Ionic & Metallic Bonds pp.397-403  **A+/LTF PowerPoints & Notes**  **Chemical Bonding Worksheet**  **Teacher made Study Guide**  **TED Ed video – The Law of Conservation of Mass**  **Tyler DeWitt video – Introduction to Balancing Equations**  **Balancing Act** | **GEN:** Study for Boding Test Friday.  **ADV:** Review Polyatomic Ions for 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/) |
| 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:** Study  **ADV BR:** Polyatomic Ion Quiz #2  **Students will:**  **GEN:** Bonding Test; organize NB for NB test Monday; make a new title page & table of contents for Chemical Reactions Unit.  **ADV:** Complete practice balancing equations:  \*Watch video again  \*Balancing Equations Challenge (back side)  \*Understanding Chemical Reactions  \*Balancing Equations (B) | **Glencoe Nature of Science**  Ch. 11 Elements & Chemical Bonds  Electrons & Energy Levels pp.380-387  Compounds, Chemical Formulas, & Covalent Bonds pp.389-395  Ionic & Metallic Bonds pp.397-403  **A+/LTF PowerPoints & Notes**  **A+/LTF Polyatomic Ion Quiz #2**  **Bonding Test**  **Balancing Equations Challenge**  **Understanding Chemical Reactions**  **Balancing Equations (B)** | **GEN:** Organize NB for test Monday.  **ADV:** Finish any unfinished classwork. | Bell ringer; test; classwork | [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/) |