Honors Chemistry – Unit 6 

Chemical Reactions

**Georgia Performance Standards**

**SC2 – Relate how the Law of Conservation of Matter is used to determine chemical composition in compounds and chemical reactions.**

1. **Identify and balance the following types of chemical equations:**
	1. **Synthesis**
	2. **Decomposition**
	3. **Single- replacement**
	4. **Double- replacement**
	5. **Combustion**
2. **Experimentally determine indicators of a chemical reaction specifically precipitation, gas evolution, water production, and changes in energy to the system.**

**Essential Questions**

1. **Describe the indicators of a chemical reaction.**
2. **How are chemical equations written and balanced?**
3. **Balance chemical equations.**
4. **How can you determine the type of chemical reaction?**

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| Day | Agenda |
| 1 | Warm Up #1 Notes- Evidence of a Chemical Reaction Lab: Recognizing a Chemical Reaction Lab Team Discussion on Lab T.O.D |
| 2 | Warm Up #2 Notes: Writing Chemical Equations Guided Practice: Writing Chemical Equations CW #1: Writing Chemical Equations Notes: Balancing Reactions and Law of Conservation of Mass Guided Practice: Balancing Equations TO.D.  |
| 3 | Warm Up #3 Review Balancing Equations CW #2: Balancing Equations Notes: Balanced Equations and the Law of Conservation of Mass CW #2 cont.'d: Law of Conservation of Mass T.O.D.  |
| 4 | Warm Up #4 Review Balancing Equations and Law of Conservation of Mass Lab: Law of Conservation of Mass Notes: Types of Chemical Reactions T.O.D  |
| 5 | Warm Up #5 Review Types of Chemical Reactions CW #3: Students will create skits to explain the different types of chemical reactions and present them in class CW #4: Writing, Balancing and Typing Chemical Reactions T.O.D. |
| 6 | Warm Up #6 Review for unit quiz T.O.D. |
| 7 | Warm Up #7 Unit Quiz- Chemical Reactions Read "Hollywood Special Effects" and respond to questions |