**Unit 9 – Kinetic Molecular Theory (KMT) & Energy** 

**Georgia Performance Standards**

SC6: Students will understand the effects motion of atoms and molecules on chemical and physical processes.

1. Compare and contrast atomic/molecular motion in solids, liquids, gases, and plasmas.
2. Collect data and calculate the amount of heat given off or taken in by chemical or physical processes.
3. Analyzing (both conceptually and quantitatively) flow of energy during a change of state.

**Notes: All class notes are posted to the blog,** [**www.mysciteacher.com**](http://www.mysciteacher.com)**, and students are EXPECTED to go the blog and print them out. We will use them in class, however, we will not be writing them down in class.**

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| Day | Agenda |  | Day | Agenda |
| 1 | Activator: Collapsing Can Demo- Why does it do that? Go over KMT Notes KMT Inquiry Lab T.O.D. |  | 4 | Warm Up: Calorimetry Lab: Energy in a Chip Formal Lab Report Instructions/ Analyze Data (CW4) Review for Quiz T.O.D. |
| 2 | Activator: Hot/Cold Hands Demo-Why does this happen? Discussion of KMT Inquiry Lab in Groups with ?s (CW1) Go over Liquids & Phase Changes Notes Lab: Phase Change Lab T.O.D. |  | 5 | Warm Up: Quick Review KMT & Energy Quiz Read Article and respond to questions |
| 3 | Warm Up: Phase Change Lab Team Discussion ?s Go over Solid Notes CW2- Types of Solids Go over Heat Notes CW3: Heat & Calorimetry T.O.D. |  |  |  |