

# 6<sup>th</sup> GRADE SCIENCE

**2007 – 2008**

## **Component 1**

- **Do Target Your Reading before each chapter.**
- **See [ca6.msscience.com](http://ca6.msscience.com) and go to Google: “glencoe brain pop movies” for additional supplements**

### **TOOLS & SAFETY: 2 DAYS**

1	“Getting to Know You” Activity	3 Day
2	Tool Introduction	2 Days
3	Safety (Safety Signature)	

### **HEAT UNIT: 4 Days**

1	Matter/Atoms/Elements/Compounds/Periodic Table/Compound worksheet	4 Days
2	Phases of Matter Chart: Solid – Liquid – Gas (Jose - Matter Sheet)	
3	Globe Book 12 – 2 → index card (solid, liquid, gas)	
4	Globe Book 12 – 3 → 3 phases of matter notes	
5	Bill Nye 5 questions / 10 facts “Phases of Matter”	
6	Chapter 3, Lesson 1-2 (Energy: Kinetic, Potential, & Thermal) pg. 120.	
7	Dominoes	
8	Coat Hanger / Paper Clips → relate kinetic energy & molecules	
9	<b><u>WAVES: ENERGY TRANSFER:1 DAY: Chapter 3, Lesson 2 pg. 132-134</u></b> Bill Nye “Waves” / Show internet animations / Discuss thunder and lightning	1 Day
10	Chapter 3, Lesson 3, pg 139. Temperature and Thermometers	
11	Ball & Ring, Reading: Pg. 140 (Thermal Expansion)	
12	Boiling Water Experiment	2 Days
13	Tools Test	1 Day

### **HEAT TRANSFER: CONDUCTION, CONVECTION, & RADIATION: Chapter 3: Lesson 4 pg. 145**

1	Discovery→Conduction Activity Foss (cup & metal bars)	*Lesson 4: Conduction, Convection & Radiation. 5 Days Suggested activities, you do not have to do them all. See internet animations.
2	Discovery Convection Activity (DEMO)→ food coloring	
3	Other convection activity: angels, snake & Erlenmeyer Flask	
4	Discovery Radiation Activity → CE “sand under lamp”	
5	Heat handout (Jose) “Thermal Heat Chart”	
6	Test	