

6th GRADE SCIENCE

2007 – 2008

Component 1

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

TOOLS & SAFETY: 2 DAYS

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

HEAT UNIT: 4 Days

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| 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 | <u>WAVES: ENERGY TRANSFER:1 DAY: Chapter 3, Lesson 2 pg. 132-134</u> 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

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|---|---|---|
| 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 | |