



8th Grade Science– Week (2-6-17)

TEACHER: JULIE M.
MUELLER

GRADE: 8

	Monday	Tuesday	Wednesday	Thursday	Friday
OBJECTIVE(S) (WHAT DO I WANT STUDENTS TO KNOW/)	<p>Study the various aspects of heat and temperature.</p> <p>Investigate properties of thermometers.</p> <p>Conduct an investigation into the latent heat of fusion for ice.</p> <p>Understand the concepts of heat flow, conservation of energy, and use of a calorimeter.</p> <p>Use a conductometer to investigate the heat conductivity of various metals.</p>	<p>See Monday – this is a 6 station rotation with each stations activities taking approximately 1 class period to do.</p>	<p>See Monday – this is a 6 station rotation with each stations activities taking approximately 1 class period to do.</p>	<p>See Monday – this is a 6 station rotation with each stations activities taking approximately 1 class period to do.</p>	<p>See Monday – this is a 6 station rotation with each stations activities taking approximately 1 class period to do.</p>

<p>INSTRUCTIONAL METHODS</p> <p>(HOW AM I GOING TO INSTRUCT/)</p>	<p>Table 1: Thermal Conductivity of Different Metals, Thermal Expansion, and Demonstrating Radiant Heat and Energy.</p>	<p>Table 2: Calibration of a Thermometer</p> <p>Table 3: Heat of Fusion of Ice</p>	<p>Table 4: Air Pressure & Air Masses/Fronts</p> <p>1. Use of a manometer to indicate changes in air pressure.</p> <p>2. Students to demonstrate how hot and cold air masses slide over and under each other.</p>	<p>Table 5: Find Mass using the Archimedes Balance</p>	<p>Table 6: Air Pressure & Temperature & Air Pressure and Air Currents</p> <p>Students to discover that air pressure changes with temperature.</p> <p>Students to learn that major wind patterns are caused by a combination of convection currents and the Earth's rotation.</p>
<p>ASSESSMENT</p> <p>HOW WILL I ASSESS LEARNING</p>	<p>Students will hand in completed lab packets.</p>	<p>Students will hand in completed lab packets.</p>	<p>Students will hand in completed lab packets.</p>	<p>Students will hand in completed lab packets.</p>	<p>Students will hand in completed lab packets.</p>
<p>CLOSURE</p>	<p>Clean up.</p> <p>Shut gas off.</p>	<p>Clean up.</p> <p>Shut gas off.</p>	<p>Clean up.</p> <p>Shut gas off.</p>	<p>Clean up.</p> <p>Shut gas off.</p>	<p>Clean up.</p> <p>Shut gas off.</p>

Will finish lab rotation on Monday. Move into STP, reinforcement, review and test.