

**Weekly Sheet for 4th grade STEM**  
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**Week # 22, January 30<sup>th</sup> – February 3<sup>rd</sup>, 2012**

**JANUARY MEMORY VERSE**

But the fruit of the Spirit is love, joy, peace, patience, kindness, goodness, faithfulness, gentleness, and self-control. There is no law against things like this. Galatians 5:22-23

**ANNOUNCEMENT**

**TEST on FRIDAY: Measuring angles less than and greater than 180, Constructing angles less than and greater than 180, Recognizing angles of 90, 180, 270 and 360, Finding unknown angles (supplementary and complementary angles)**

**MATH: TOPIC/CONTENT/SKILLS: GEOMETRY/Perpendicular Lines**

- Identify perpendicular lines
- Construct perpendicular lines

**SCIENCE: TOPIC/CONTENT/SKILLS: SCIENCE OLYMPIAD PROJECTS/THERMODYNAMICS**

- Define heat and temperature
- Explain how temperature is determined
- Explain the methods by which heat is transferred

	<b>IN CLASS</b>	<b>HOMEWORK ASSIGNMENTS</b>
<b>MONDAY</b>	Angle worksheets will be provided and students will practice measuring and drawing angles.	
<b>TUESDAY</b> (1 <sup>st</sup> Period)	1)Identify perpendicular lines 2)Construct perpendicular lines <ul style="list-style-type: none"> <li>▪ Students will be provided with square grid paper and will be instructed to draw a line which they will label AB. They will be asked to draw another line that crosses this line to form 90 degrees angles at the center (perpendicular line) this line will be labeled CD.</li> <li>▪ Perpendicular symbol will be introduced</li> <li>▪ In pairs students will find perpendicular lines in rectilinear figures; textbook pg. 79.</li> </ul>	Workbook Exercise 45, 46
<b>(2<sup>nd</sup> Period)</b>	1)Identify perpendicular lines 2)Construct perpendicular lines Students will be given worksheets with lines and shapes and will select the perpendicular lines.	

<b>WEDNESDAY</b>	<p>Students will work on Science Olympiad Projects. One of those projects is based on Thermodynamics so the lesson will be incorporated and students will be able to</p> <ol style="list-style-type: none"> <li>1) Define heat and temperature</li> <li>2) Explain how temperature is determined</li> <li>3) Explain the methods by which heat is transferred</li> </ol>	<p>Research: Students are required to determine the reason for the observed changes in their experiments.</p>
<b>THURSDAY</b> (computer room)	ixl.com	
<b>FRIDAY</b>	Review Angles/Angles Test	