

**ALLEGHANY COUNTY SCHOOLS CURRICULUM PACING GUIDES**

**Grade/Course** 8<sup>th</sup> Grade/Physical Science      **Grading Period** \_\_\_\_\_

<b>Time Frame</b>	<b>Unit/SOLs</b>	<b>SOL #</b>	<b>Strand</b>	<b>Resources</b>	<b>Assessments</b>
30 days	<p>Chemicals, equipment used safely</p> <p>Length, mass, volume, density, temperature, weight and force are accurately measured using I.S. of Units (SI-metric)</p> <p>Conversions are made among metric units applying appropriate prefixes; numbers expressed in scientific notation where appropriate</p> <p>Triple beam and electronic balances, thermometers, metric rulers, graduated cylinders, and spring scales are used to gather data</p> <p>Research skills are utilized using a variety of sources</p> <p>Independent and dependent variables, constants, controls, and repeated trials, identified using data tables</p> <p>Data tables for descriptive statistics; central tendency, range, repeated ??</p> <p>Graphs are constructed and interpreted using frequency distributions, scattergrams, line plots, and histograms</p> <p>Research methods are used to investigate practical problems, making valid conclusions after analyzing data and experimental results are presented in appropriate written form</p> <p>An understanding of the nature of science is developed and reinforced</p>	PS 1 is embedded through out all SOL's	Investigations	<ul style="list-style-type: none"> <li>-CG . 1-4</li> <li>-Text</li> <li>-Notes, Lectures,</li> <li>Charts, Internet</li> <li>-VDOE</li> </ul>	<ul style="list-style-type: none"> <li>-Teacher quizzes and test</li> <li>-Text test</li> <li>-Labs</li> <li>-Activities</li> <li>-Worksheets</li> <li>-Student demonstrations</li> <li>-Graphic organizers</li> </ul>