

ALLEGHANY COUNTY SCHOOLS CURRICULUM PACING GUIDES

Grade/Course 8th Grade/Physical Science **Grading Period** _____

Time Frame	Unit/SOLs	SOL #	Strand	Resources	Assessments
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"> -CG . 1-4 -Text -Notes, Lectures, Charts, Internet -VDOE 	<ul style="list-style-type: none"> -Teacher quizzes and test -Text test -Labs -Activities -Worksheets -Student demonstrations -Graphic organizers