ALLEGHANY COUNTY SCHOOLS CURRICULUM PACING GUIDE

GRADE/COURSE: Chemistry   **GRADING PERIOD:** 1st Six Weeks

Time Frame	Unit/SOLs	SOL#	Strand	Resource		Assessments
				Printed	**Technology**	
3 days	**Introduction to Chemistry - Scientific Investigation** -designated lab techniques -safe use of chemicals and equipment -proper response to emergency situations -manipulation of multiple variables, using repeated trials -accurate recording, organization, and analysis of data through repeated trials -construct and defend scientific viewpoint	1 a, b, c, d, e, i	Scientific Investigation	**Text "Chemistry: Matter and Change" (Glencoe 2005), Chapter 1; Flinn Safety Contract; Lab Equipment Handout; Flinn MSDS Sheet**	**Smart Board, PowerPoint Presentation, Internet Resources**	Lab Equipment/ Lab Safety Quiz; Scientific Method Questions
5 days	**Matter and Properties** -chemical and physical properties	2 h	Atomic Structure and Periodic Relationships	**Text, Chapters 1 and 3; Chapter Assessment Worksheets**	**Smart Board, PowerPoint Presentation, Internet Resources**	Chapter Review Questions; Chapter Worksheets; Chromatography Lab; Chapters 1 and 3 Test; SOL Released Test Items
5 days	**Measurement and Problem Solving** -mathematical and procedural error analysis -mathematical manipulations (SI units, scientific notation, linear equations, graphing, ratio and proportion, significant digits, dimensional analysis) -use of appropriate technology	1 f, g, h	Scientific Investigation	**Text, Chapter 2**	**Smart Board, PowerPoint Presentation, Internet Resources; Calculators**	Measuring Activity, Worksheets; Chapter 2 Test; SOL Released Test Items
10 days	**Atomic Structure and Periodic Properties** -atomic number, atomic mass -isotopes, half lives, radioactive decay	2 a, b, c, d, e, g,	Atomic Structure and Periodic Relationships	**Text, Chapters 4 and 5; Chapter Assessment**	**Smart Board; PowerPoint Presentation;**	Chapter Worksheets; Lab Reports;