

2010-11 Chemistry Science

Month/Year	Science Content Topic	PASS Skills	Activities/ Labs/ Assessments	College Readiness Standard/ Score Range
September 2010	1st 9 weeks	All Science process Skills with Emphasis on:		
	Chapter 2	C1.1. C1.4	*Density/ Physical/ Chemical change lab (Howard)	(20-23)
	Chapter 4 periodic table (parts)		Millican Experiment (Helen) Molar Mass determination (Candium) (Carla)	(24-27) (20-23)

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October 2010	1st 9 Weeks Energy	All Science Process Skills with Emphasis on:	*flame tests (Carla) or emission tubes (Helen) Chem reading (Helen)	(24-27)
	Chapter 5	C1.1, C1.4		
	Fall Break 2nd 9 Weeks			
	Chapter 6	C1.2, C1.3	World of Chemistry http://www.learner.org/resources/series61.html?pop=yes&pid=793 *Logic Puzzle (Helen) *Periodic trend lab (Jan/Howard)	(24-27) (24-27)

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November 2010	Chapter 6	C1.2, C1.4	model building (Howard)	(20-23)
	Chapter 7 Ionic and Metallic Bonding	C1.2, C1.4	Alloy Lab (Helen)	(16-19)
	Chapter 8	C 1.2, C1.4	Molecular Modeling (Helen)	

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December 2010	Chapter 9 Nomenclature	C1.2, C1.4	Qualitative Analysis (Helen)	

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January 2011	End of Semester 1 - Jan 7 Chapter 10 Chemical Quantities	C2.3	Emperical Formula Lab (Howard) Molar Mass Activity (Helen)	(20-23)
	Chapter 11 Chemical Reactions	C2.3, C2.4	Products of Reaction (helen) Types of Reaction (Book) (Carla)	(20-23)

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February 2011	Chapter 11 Chemical Reactions	C2.3, C2.4		
	Chapter 12 Stoichiometry		Into to stoichiometry (s'mores lab)	(20-23)
			Stoichiometry lab (Howard-Jan) (formal lab reports and test tubes)	(28-32)

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May 2011	Chapter 17 Thermochemistry (con't)			
	Chapter 19 Acid and Bases		Titration lab (Howard) (ancillary)	(28-32)