

## Veritas Christian Homeschool Group Chemistry Course – Fall 2018/ Trimester 1 – Week at a Glance

Week	Period	In-Class Discussion Topic/ Activities	Homework Due	Laboratory
1 Aug. 28 <sup>th</sup>	1	Course Introduction Chapter 1 – Introduction to Chemistry	Read syllabus before first class Watch Crash Course Lab Safety Video at home	Lab 1 – Beaker and Flask Accuracy Lab
	2	Chapter 2 – Matter and Change ▪ Quiz 1 – over Lab Safety Video		
2 Sept. 4 <sup>th</sup>	1	Chapter 2 – Matter and Change	☐ Assigned Chapter 1 Problems ☐ Beaker and Flask Accuracy Lab Report Sheet	Lab 2 – Separation of a Mixture ☐ Complete Separation of a Mixture Lab
	2	Chapter 2 – Matter and Change ▪ Quiz 2 – Chapter 2 material		
3 Sept. 11 <sup>th</sup>	1	Chapter 3 – Scientific Measurement <i>Significant Figures</i>	☐ Assigned Chapter 2 Problems ☐ Separation of a Mixture Lab Report Sheet and lab take-home Quiz	Lab 3 – Significant Figures ☐ Complete Significant Figures Lab
	2	▪ Quiz 3 – Chapter 2 material		
4 Sept. 18 <sup>th</sup>	1	Chapter 3 – Scientific Measurement <i>Density class demonstration</i>	☐ Significant Figures Report Sheet	
	2	Chapter 4 – Problem Solving in Chemistry – <i>Conversion Factors</i> ▪ Quiz 4 – Chapter 3 material		
5 Sept. 25 <sup>th</sup>	1	Chapter 4 – Problem Solving in Chemistry – <i>Dimensional Analysis</i> , and complete chapter	☐ Assigned Chapter 3 Problems	Kahoot! over Chapters 1 to 4
	2	Chapter 4 – Problem Solving in Chemistry ▪ Quiz 5 – Chapter 4 material		
6 Oct. 2 <sup>nd</sup>	1	Chapter 5 – Atomic Structure and the Periodic Table – <i>Discovery of the electron, proton and neutron</i>	☐ Test #1 ☐ Assigned Chapter 4 Problems	Lab 4 – Qualitative/ Quantitative Observations
	2	Chapter 5 – Atomic Structure and the Periodic Table – <i>Atomic number, mass number and atomic mass</i> ▪ Quiz 6 – Chapter 5 material		
7 Oct. 16 <sup>th</sup>	1	Chapter 5 – Atomic Structure and the Periodic Table – <i>periodic table</i>	☐ Qualitative/ Quantitative Observations Lab Report Sheet and take-home Quiz	Lab 5 – Element Investigation Lab
	2	Chapter 6 – Chemical Names and Formulas – <i>molecular/ ionic compounds</i> ▪ Quiz 7 – Chapter 5 material		
8 Oct 23 <sup>rd</sup>	1	Chapter 6 – Chemical Names and Formulas – <i>chemical/ molecular formulas</i>	☐ Assigned Chapter 5 Problems ☐ Element Investigation Lab Report Sheet	Lab 6 – Small Scale Lab: Names and Formulas of Ionic Compounds – p. 157 in text.
	2	Chapter 6 – Chemical Names and Formulas – <i>ionic charges/ compounds</i> ▪ Quiz 8 – Chapter 6 material		
9 Oct 30 <sup>th</sup>	1	Chapter 7 – Chemical Quantities - <i>The mole: a measurement of matter; calculating gram formula mass of compounds</i>	☐ Small Scale Lab: Names and Formulas of Ionic Compounds ☐ Assigned Chapter 6 Problems	
	2	▪ <i>Mole-mass and mole-volume relationships</i> ▪ Quiz 9 – Chapter 7 material – will do as a class		
10 Nov 6 <sup>th</sup>	1	▪ <i>Mole-mass and mole-volume relationships</i> ▪ perform Lab 7		Lab 7 – Avogadro and the Mole Lab
	2	<i>Calculating percent composition, molecular and empirical formulas</i> ▪ Quiz 11 – Chapter 7		