

College Chemistry Course Outline



Week 1 (9.1-9.5)		UNIT 1 Matter and Measurement
Day	Activity	Assignment (Homework)
No School		
1	Welcome, Website, iTunes, Showbie, Grading/Testing Policy	2.1 Scientific Investigation
2	Physical Chemical Changes PH Lab	2.2 Science Skills
3	post lab	2.2 Quiz
4	Density Challenge Lab	CK Observation

Week 2 (9.8-9.12)		UNIT 1 Matter and Measurement
Day	Activity	Assignment (Homework)
5	How to Measure CK International System of Units	3.1 Properties of Matter
6	Sig Figs Lesson CK Significant Figures	3.1 Quiz
7	Sci Not	3.2 Types of Matter
8	Schoolnet Assessment (sig figs)	3.2 Quiz
9	Elements, Mixtures Compounds PH Lab	3.3 Changes in Matter

Week 3 (9.15-9.19)		UNIT 1 Matter and Measurement
Day	Activity	Assignment (Homework)
10	Elements, Mixtures Compounds PH Lab	3.3 Quiz
11	Elements, Mixtures Compounds PH Lab	4.1 Solids, Liquids, Gases, and Plasmas
12	Evidence of Chemical Reaction DEMO	4.1 Quiz
13	Classification of Matter CK Physical Properties of Matter Chemical Properties of Matter	4.3 Changes of State
14	Physical Chemical Properties CK Physical Change Chemical Change	4.3 Quiz

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Week 4 (9.22-9.26)		UNIT 2 Atoms
Day	Activity	Assignment (Homework)
15	Chapter 3/4 CK12 Practice Test	
16	Revise	
17	Matter and Measurement Test	
18	Atomic Structure GCSE Atomic Structure	5.1 Inside the Atom.
19	Nova Elements App CK Atomic Nucleus Atomic Number Atoms	5.1 Quiz
Week 5 (9.29-10.3)		UNIT 2 Atoms
Day	Activity	Assignment (Homework)
20	Isotopes	CK Electrons Protons Neutrons
21	Beanium Activity	CK Isotopes
22	Schoolnet Assessment (atomic structure)	5.2 HistoryoftheAtom.
23	CK Dalton's Atomic Theory -Lego Atomic Theory	5.2 Quiz
24	CK Thomson's Atomic Model Rutherford's Atomic Model	CK Bohr's Atomic Model
Week 6 (10.6-10.10)		UNIT 3 Electrons
Day	Activity	Assignment (Homework)
25	Crash Course Atomic Theory /Bohr Models	5.3 ModernAtomicTheory
26	Lewis Dot CK Energy Level CK Valence Electrons	5.3 Quiz
27	Order of the Elements (Movie)	6.1 How Elements Are Organized
28	CK Mendeleev's Periodic Table	6.1 Quiz
29	CK Modern Periodic Table NOVA Reactive Elements	6.2 Classes of Elements

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Week 7 (10.13-10.17)		UNIT 3 Electrons
Day	Activity	Assignment (Homework)
30	Alkaline Earth Lab	6.2 Quiz
31	Activity Series Lab	6.3 Groups of Elements
	no school	
	no school	
	no school	

Week 8 (10.20-10.24)		UNIT 3 Electrons
Day	Activity	Assignment (Homework)
32	Periodic Trends GCSE periodic table	
33	SchoolNet Assessment (Periodic Table)	
34	Atoms Periodic Table Practice Test	
35	<i>Revise</i>	
36	Atoms Periodic Table Test	

Week 9 (10.27-10.31)		UNIT 4 Bonding
Day	Activity	Assignment (Homework)
37	Covalent Ionic Lab	7.1 Introduction to Chemical Bonds
38	Lab continued	7.1 Quiz
39	CK Ions Ionic Bonding	7.2 Ionic Bonds
40	Ionic Naming CK Ionic Compounds	7.2 Quiz
41 (End of 1 st Quarter)	Covalent Bonding CK Covalent Bonding Molecular Compounds	7.3 Covalent Bonds

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Week 10 (11.3-11.7)		UNIT 4 Bonding
Day	Activity	Assignment (Homework)
42	GCSE ionic covalent bonding activities	7.3 Quiz
43	CK Metallic Bonding	7.4 Metallic Bonds
44	Chem Rxn Types Demo	7.4 Quiz
45	CK Chemical Reaction Overview	8.1 Introduction to Chemical Reactions
46	Synthesis Lab	8.1 Quiz

Week 11 (11.11-11.14)		UNIT 4 Bonding
Day	Activity	Assignment (Homework)
	no school	
47	Decomposition Demo/Lab	8.2 Chemical Equations
48	Double Replacement Lab	8.2 Quiz
49	CK Reactants and Products Recognizing Chemical Reactions	8.3 Types of Chemical Reactions
50	Balancing Reactions	8.3 Quiz

Week 12 (11.17-11.21)		UNIT 4 Bonding
Day	Activity	Assignment (Homework)
51	Endo and Exo Reactions Lab	8.4 Chemical Reactions and Energy
52	Lab Questions	8.4 Quiz
53	Schoolnet Assessment	CK Endothermic Reactions
54	Practice Test Chemical Reactions	CK Exothermic Reactions
55	Revise	

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Week 13 (11.24-11.28)		UNIT 5 Stoichiometry
Day	Activity	Assignment (Homework)
56	UNIT 3 Bonding and Reactions Test	21.1 ElectromagneticWaves
57	Flame Test lab	21.1 Quiz
	no school	
	no school	
	no school	
Week 14 (12.1-12.5)		UNIT 5 Stoichiometry
Day	Activity	Assignment (Homework)
58	ROYGBIV -spectroscopes-	21.2 PropertiesofElectromagn eticWaves
59	CK Electromagnetic Waves Properties of Electromagnetic Waves Electromagnetic Spectrum	21.2 Quiz
60	<i>Richard Hammon Invisible World</i>	21.3 TheElectromagneticSpectrum
61	GCSE electromagnetic spectrum	21.3 Quiz
62	Schoolnet Assessment (electromagnetic)	11.1 Radioactivity
Week 15 (12.8-12.12)		UNIT 5 Stoichiometry
Day	Activity	Assignment (Homework)
63	CK Nuclear Fission Nuclear Fusion Conservation of Mass and Energy in Nuclear Reactions	11.1 Quiz
64	CK Radioactivity Radioactive Decay	11.2 Radioactive Decay
65	GCSE fission fusion NOVA fission fusion	11.2 Quiz
66	Schoolnet Assessment (fission fusion)	11.3 Nuclear Energy
67	Practice Test EMR and Nuclear	11.3 Quiz

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Week 16 (12.15-12.19)		UNIT 5 Stoichiometry
Day	Activity	Assignment (Homework)
68	<i>Revise</i>	
69	<i>UNIT 4 Nuclear and EMR TEST</i>	
70	Story of Electricity BBC	23.1 ElectricCharge
71	GCSE electrostatics CK Electric Charge and Electric Force	23.1 Quiz
72	Phet Static Electricity Sim Physics EField, Hockey	23.2 ElectricCurrent.
Week 17 (1.5-1.9)		UNIT 5 Stoichiometry
Day	Activity	Assignment (Homework)
73	Build Circuits Lab	23.1 Quiz
74	Ohms Law Phet	23.3 ElectricCircuits.
75	Electromagnetism Lab	23.3 Quiz
76	CK Electromagnetism Discovery of Electromagnetism CK Electric Circuits	25.1 ElectricityandMagnetism
77	GCSE generating electricity	25.1 Quiz
Week 18 (1.12-1.16)		UNIT 5 Stoichiometry
Day	Activity	Assignment (Homework)
78	Schoolnet Assessment (electrostatics and electricity)	25.3 GeneratingandUsingElectricity
79	Revision	25.3 Quiz
80	UNIT 5 TEST on Electricity and Electrostatics	
81	Semester 1 Exam	
82	Semester 1 Exam	