

Week/ Lesson	Topic/key idea	Activity	Resource	Homework	Assessment
	Experimental Skills	1 Week			
Week D L 110 min	Experimental Skills	Intro Go through curriculum outline Lab safety Experimental skills Break – Chicken Pics game, zombie college vid Experiment skills (up to errors)	Curriculum outline Lab safety PPT		
SL 50 mins		Errors discussion (away)			
	Acids, Bases & Salts	3 Weeks			
Week 2 SL		Finish of PP on experimental skills			
DL DL	1. Chemical formulae 2. Chemical reactions 3. Writing balanced equations	Go through PP, make notes. Break: Pictionary Worksheets: writing ionic compounds, balancing equations			
SL	AWAY	Worksheet – naming chemical compounds			
Week 3 SL	4. Acids and bases in everyday life 5. Definition of acids 6. Definitions of bases	Face to face explanations	PP presentation		
DL DL	7. Bases and alkalis 8. Classification of acids 9. Conjugate acids and bases 10. Acids and bases form salts 11. Strong and weak acids 12. Concentration of acids 13. Physical properties of acids and bases	Face to face explanations Games: Zap name game Periodic table bingo	PP presentation		
SL	Student free day				

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<u>Week 4</u> SL	AWAY – revision worksheet				
DL DL	14. pH scale 15. indicators START 16. Neutralisation reactions	Indicators prac Questions from essentials pg112	PP presentation	Worksheet – acid/base assignment Formative quiz revision?	
SL	16. Neutralisation reactions	Formative quiz			Formative quiz
<u>Week 5</u> SL	17. Active metals and acids	Writing equations worksheet Practise test	Writing equations worksheet Practise test		
DL DL	Acid reactions prac Revision	Acid reactions prac and writing equations	Summary booklet		
SL	Revision				
	Matter and Bonding	6 Weeks			
<u>Week 6</u> SL		Topic Test			
DL DL	Matter KI 1-4	Talk through test and go through some answers Matter Elephant's toothpaste demo Matter and bonding worksheet 1 questions	Matter and bonding worksheet 1 questions Essentials Qu pg 2 & 4		Essentials Qu in class SHCS worksheets as revision USC revision sheet
SL	Elements	Powerpoint on elements		Finish Essentials Qu 1-5	
<u>Week 7</u> SL	ADELAIDE CUP				
DL DL	Elements Isotopes Electron arrangement	Finish elements, go though homework Powerpoint on Isotopes Playdoh electron arrangement		Finish Essentials Qu 1.4 isotopes 10-15	
SL	Periodic table				

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<u>Week 8</u> SL	Periodic table				
DL DL	Ionic compounds Metals	Trends in periodic table prac - bonding			
SL	EASTER				
<u>Week 9</u> SL	EASTER				
DL DL	Metals Finish periodic table section				
SL	AWAY Essentials questions 1-22				
<u>Week 10</u> SL	Essentials questions 1-22 Finish periodic table topic			Essentials summary test?	
DL DL	Ionic Bonding				
SL	Formative test Metallic bonding				
<u>Week 11</u> SL	Design prac prep				
DL DL	Design prac	Design prac flame			
SL	Metallic bonding/Sherbet	Revision guide for holidays			

Term 2

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<u>Week 1</u> SL	EM spectrum activity Covalent bonding	Go through quiz			
DL DL	Drawing shapes		Lemon, jubes toothpicks		
SL	Shapes				Draft design prac due
	Redox and electro chem	6 weeks			
<u>Week 2</u> SL	Interactions – polar molecules Secondary Bonding		Summary test as assignment/home work		
DL DL	Secondary Bonding Continuous covalent <i>Solubility</i>	<i>Chromatography?</i> <i>Oral practical report?</i> Diamond cardboard model	Essentials questions (word doc)		
SL	Secondary Bonding				
<u>Week 3</u> SL	Revision/practise test AWAY				
DL DL	Revision and questions (30 mins) Periodic table and bonding test		Summary test as assignment/homework		S Periodic table and bonding test
SL	Redox: intro and oxidation numbers		Essentials questions handout		
<u>Week 4</u> SL	Half equations	Recap oxidation numbers How to memorise things 7 mins https://www.youtube.com/watch?v=0nFkQ4cQhME	Essentials questions handout (In class and homework)		
DL DL	Half equations Oxidisers & reductants	Plickers quiz about OIL RIG Questions https://www.youtube.com/watch?v=sB4IXUhrfMU Finger fitness 11 mins (only goes for 5:30))			
SL	Half equations		Essentials questions		

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<u>Week 5</u> SL	Review oxidation numbers Writing full redox equations		Finish Essentials questions handout		
DL DL	Electrochemical cells: Galvanic cells Corrosion	<i>Redox practical yr 11 (half equations)</i> Issues investigation – go through task and ask students to come up with a topic/question	Worksheet 2 (In class and homework)		
SL	TEACHER AWAY Issues investigation	Issues investigation – class time to work			
<u>Week 6</u> SL	Issues investigation	Issues investigation – class time to work			
DL DL	Electrolytic cells Issues investigation	Class time for corrosion essay research	<i>Lemon galvanic cell practical</i>		Teacher to draft/comment on in class
SL	Electrochemical/Corrosion content catch up/revision		<i>Electroplating practical</i>		
<u>Week 7</u> SL	PUBLIC HOLIDAY				
DL DL		Test - Electrochemistry Revision – Matter and Bonding go through answers from test	<i>MAKE UP 1 Doc for Revision Questions next time</i>		Issues investigation due
SL		Revision – Acids and bases			
	Exams				
<u>Week 8</u> SL		Revision – Electro chemistry Go through test answers/prac comments			
DL DL	EXAM				EXAM
SL		Fun stuff?			
	SEMESTER 2	Stoichiometry			

To do next time:

- *JAZZ UP POWERPOINT SLIDES!*
- *Do a prac in first week of skills to hook students in.*
- *Add in solubility to matter and bonding key ideas. Find time to talk about chromatography.*
- *Perhaps do matter and bonding first topic?*
- *Add subshell notation to matter and bonding key ideas*
- *Organise essentials questions – type up and do solutions for.*
- *Ensure mid topic quiz each time.*
- *Give practice test out – 2016 test each time?*
- *Allow time to practice referencing with issues investigation*
- *Have set of exam revision questions ready to go*
- *Redox pracs once there is a lab again..*