



Week	Week beg	Unit	Concepts/Inquiry Questions/Skills/Topics	School events and public holidays	Assessment Type	Assessment Due Date
1	T14/7	7	Write the structural formulae of an alkane given its IUPAC name and vice versa.			
2	20/7	7	Construct all possible structural isomers for simple alkane molecules.			
3	27/7	7	Distinguish between structural isomers and geometric isomers. Identify the asymmetric carbon in a stereoisomer.	29/7 Interhouse Athletics		
4	3/8	7	List and construct the structures of simple cyclic and aromatic hydrocarbons.	4/8 Yr 10,11,12 Parent-Teacher Interviews		
5	10/8	7	Identify a molecule's functional group. Explain physical property differences in a class of organic compounds based on their molecular structure. List the structures that are products of an addition reaction.	10/8 Class Photos (11&12) 11/8 Class Photos (8-10) 12/8 Exhibition holiday 13/8 Pupil-free day		
6	17/8	7	Describe the characteristics of a substitution reaction. Identify an alcohol as primary, secondary or tertiary.			
7	24/8	7	Apply redox theory, quantitative analysis and stoichiometric calculations to complex problems on synthetic organic compounds.	27/8 Co-curricular photo day - no assessment		
8	31/8	7	Describe the hydrogen bonding that occurs in water due to the structure of the polar water molecule. Explain the high surface tension and low vapour pressure of water using the concept of hydrogen bonding.	1/9, 2/9 QCST		
9	7/9	7	REVISION	8/9 Yr 8 and 9 Parent-Teacher Interviews 9/9 Yr 12 block exams begin	Written exams	Exam block
10	14/9			16/9 Year 12 block exams finish		
Mid Semester Vacation						
1 (11)	5/10	8	Describe the sources, properties and uses of the	No assessment permitted		

			Group 1A alkali metals. Describe the sources, properties and uses of the alkaline earth metals in Group 2A. Year 12 Project: titration			
<b>2 (12)</b>	<b>12/10</b>	<b>8</b>	Describe the sources, properties and uses of aluminium and the other Group 3A elements. Describe the sources, properties and uses of carbon and the other elements in Group 4A. Year 12 Project: titration	13/10 Immunisations 15/10 QCAT testing (½ day)		
<b>3 (13)</b>	<b>T20/10</b>	<b>8</b>	Describe the composition and penetrating power of alpha, beta and gamma radiation. Write balanced nuclear equations for alpha and beta decay processes.	19/10 Pupil-free day 22/10 Yr 9 QCAT testing (½ day) 23/10 Co-curricular photo day – no assessment	<b>Written report</b>	
<b>4 (14)</b>	<b>26/10</b>		Describe nuclear Fission	29/10 Yr 9 QCAT testing (½ day)		
<b>5 (15)</b>	<b>2/11</b>		Revision			
<b>6 (16)</b>	<b>9/11</b>			10/11 Yr 12 Block exams begin	<b>Written exam</b>	<b>Exam block</b>
<b>7 (17)</b>	<b>16/11</b>			16/11 Yr 11 block exams begin 18/11 Yr 12 blocks finish 20/11 Graduation 20/11 Last day for assessment Year 10		
<b>8 (18)</b>	<b>23/11</b>			25/11 Yr 11 blocks finish 27/11 Last day for assessment Years 8 & 9		
<b>9 (19)</b>	<b>30/11</b>	Alternative Program for Years 8 & 9 students commences Wednesday 2 December and concludes on Friday 11 <sup>th</sup> December. Instruction under the supervision of each Faculty will be delivered.				
<b>10 (20)</b>	<b>7/12</b>					