

YEAR 10 SCIENCE WORKPLAN: Semester 1, 2017 – Mr Dyer, Mrs Jennings Mr Polkinghorne (ADY, KMO, MPO)



UNIT	SEMESTER 1	ASSESSMENT	DUE DATE										
CHEMISTRY	<p>Throughout Semester 1 all students will rotate thro' 2 of the major Science disciplines of Biology, Chemistry and Physics (1 per term). The 3rd rotation will occur in Semester 2, Term 4.</p> <p>Chemistry (MPO) will address chemical properties in relation to atomic structure, chemical periodicity, chemical bonding (ionic, covalent and metallic), chemical formulae, chemical equations, rates of reaction, simple analysis and types of chemical change. (Ch 4: The Periodic Table and Ch. 5 Chemical Reactions)</p>	<p>1. Assignment Task (PR)</p> <p>2. Supervised assessment (SA) – 1 per term</p>	<p>Test dates: Term 1 Task 1CPB PR Thurs Week 7, 9th March.</p> <p>Task 2 1CPB SA (2 single lessons) Thursday Week 9 23/3 and Monday Wk 10 27/3</p> <p>Term 2 Task 11CPB PR Weds Week 7, 31st May. Biol Monday May 5th</p> <p>Task 2 1CPB SA (2 single lessons) Thursday Week 9 15/6 and Monday Week 10 19/6</p>										
PHYSICS	<p>Physics (ADY) will address concepts relating to motion, changes in speed, acceleration, Newton's Laws of Motion, energy changes, forces in structures, gravity, mass, weight, compression, tension, stress, towers & bridges and building design. (Ch 8: Motion and Energy and Ch 9 Structures)</p>												
BIOLOGY	<p>Biology (KJe) will address concepts relating to Genetics by exploring the DNA molecule, making new cells, cell division, asexual and sexual reproduction, characteristics and inheritance, dominant and recessive inheritance, sex determination, genetic engineering applications and implications, changes over generations, natural selection from an Australian perspective. (Ch 1: DNA and Genetics and Ch 3: Natural Selection and Evolution)</p> <p>Semester 1 Rotations:</p> <table border="1"> <thead> <tr> <th>Rotation Date</th> <th>MPO Chemistry</th> <th>KMO Biology</th> <th>ADY Physics</th> </tr> </thead> <tbody> <tr> <td>1st group Term 1, 23/1</td> <td>10A</td> <td>10B</td> <td>10C</td> </tr> <tr> <td>2nd group Term 2, 19/4</td> <td>10B</td> <td>10C</td> <td>10A</td> </tr> </tbody> </table>			Rotation Date	MPO Chemistry	KMO Biology	ADY Physics	1 st group Term 1, 23/1	10A	10B	10C	2 nd group Term 2, 19/4	10B
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This work plan was last updated on Wednesday, 26 April 2017. The contents are subject to change – students will be advised in advance of any changes - regularly check for updates.