

**TERM 1**

Task	Final Date	Scope
Informal monthly test	20 January	Revision of concepts
<b>SBA task: Chemistry experiment</b>	<b>26 January</b>	<b>Heating curve of water</b>
<b>SBA task: Chemistry exp Write-up</b>	<b>27 January</b>	<b>Heating curve of water formal write-up</b>
Informal experiment	03 February	Flame tests
Informal monthly test	17 February	<b>States of matter and KMT, Atomic structure, Periodic Table, Chemical bonding</b>
Informal experiment	24 February	Interference of pulses in ripple tank
<b>SBA TASK: CONTROLLED TEST 1</b>	<b>15 March</b>	<b>ALL TERM 1 TOPICS (week 1 – 9)</b>

**TERM 2**

Informal experiment	24 April	Law of conservation of mass
<b>Informal monthly test</b>	<b>5 May</b>	<b>Particles substances are made of, chem and phys change, conserv. of atoms &amp; mass, Law of constant comp. Balancing of chem. Eq, Atoms &amp; compounds, ionic substances, metallic bonding,</b>
Informal experiment	12 May	Magnetic fields
<b>Informal monthly test</b>	<b>19 May</b>	<b>Magnetism, Electrostatics, charge conservation, Electric circuits, Pd, Current, Resistance</b>
<b>SBA TASK: PHYSICS EXPERIMENT</b>	<b>25 May</b>	<b>Circuits – series and parallel (part 1 and part 2)</b>
<b>SBA TASK: PHYSICS EXP write up</b>	<b>26 May</b>	<b>Circuits – series and parallel (part 1 and part 2) Formal write-up</b>
<b>SBA: June (mid year) examination</b>	<b>05 – 23 June</b>	<b>P1: ALL TERM 1 AND 2 TOPICS P2: ALL TERM 1 AND 2 TOPICS</b>

**TERM 3**

<b>Informal monthly test</b>	<b>4 Aug</b>	<b>Ions in aqueous solution, Electrolytes Precipitation reactions,</b>
Informal experiment	8 August	Chemical reaction types
<b>Informal monthly test</b>	<b>25 August</b>	<b>Types of chem. Reactions, Atomic mass, Mole concept, Molecular and formula mass, Empirical formula, water of crystallization, Composition of substances, Stoichiometry (concentration, molar and concentration, theoretical yield)</b>
<b>SBA TASK: PROJECT (hand in)</b>	<b>30 August</b>	<b>CHOOSE topic based on the Grade 10 content or Chemistry: Purification and quality of water. OR Physics: Acceleration.</b>

<b>SBA TASK: CONTROLLED TEST 2</b>	<b>19 September</b>	<b>ALL TERM 3 TOPICS</b>
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#### **TERM 4**

<b>Informal monthly test</b>	<b>20 October</b>	<b>Vectors, frame of reference, kinematics, equations of motion, graphs, Potential, kinetic &amp; Mechanical energy</b>
Informal experiment/project	27 Oct	Test water samples, Purification and quality of water
<b>FINAL EXAM</b>	<b>06 – 24 Nov</b>	<b>ALL TOPICS</b>