

# YEAR 8 Science WORK PLAN: Semester 2, 2017- Ms. Moore (KJE), Mrs Carey (SCA), Mr. Moore (CMO)



UNIT	TERM 3 (10 weeks) TOPICS	ASSESSMENT	DUE DATE
Ch 4	<p><b>Chemical Elements (5 Weeks)</b></p> <p>4.1: The properties of matter can be described                      4.2: Scientists' understanding of matter has developed over thousands of years                      4.3: Science design their own experiments                      4.4: The particle model explains matter                      4.5: Increasing kinetic energy in matter causes it to expand                      4.6: Atoms and elements make up matter                      4.7: Atoms bond together to make molecules and compounds  <b>Experiments pp 178-188 (4.1, 4.3A, 4.3B, 4.4, 4.5A, 4.5B, 4.6A, 4.6B, 4.6, 4.7)</b></p>	<p>Item 5 EEI : CREST- Project</p> <p><i>Optional: Elemental Brochure</i></p>	<p><b>Week 4</b>                      Final Due                      All groups:                      Wed 2<sup>nd</sup> Aug</p>
Ch 5	<p><b>Physical and Chemical Change (4 Weeks)</b></p> <p>5.1: Physical change is a change in shape or appearance                      5.2: Chemical change produces new substances                      5.3: Chemical reactions can break and re-form new bonds                      5.4: Heat can speed up a reaction                      5.5: Many substances exist because of the work of scientists                      5.6: Physical and chemical changes are used to recycle household waste  <b>Experiments pp 189-195 (5.1, 5.1c, 5.2c, 5.2,5.3, 5.4A,5.4A, 5.5)</b></p>	<p>Item 6 SA Physical &amp; Chemical Change (40 mins)</p>	<p>End of Term  <b>Week 10</b>                      Weds 13<sup>th</sup>                      September</p>
UNIT	TERM 4 (9 weeks) TOPICS	ASSESSMENT	DUE DATE
Ch 2	<p><b>Rocks and Minerals (4 Weeks)</b></p> <p>2.1: Rocks have different properties 2.2: Rocks are made up of minerals                      2.3: Minerals are a valuable resource 2.4: Igneous rocks develop from magma and lava                      2.5: Sedimentary rocks are compacted sediments 2.6: Metamorphic rocks require heat and pressure                      2.7: The rock cycle causes rocks to be re-formed 2.8: Weathering and erosion can be prevented                      2.9: Rocks are studied by geologists  <b>Experiments pp 160-167 (2.1, 2.2s, 2.3, 2.4, 2.5,2.6,2.7s,2.8c, 2.9A, 2.9B)</b></p>	<p>Item 7: DT SA – Rocks &amp; Minerals</p>	<p><b>Week 4</b>                      8ABCD                      Weds 25 October</p>
Ch 8	<p><b>Reproducing (4 Weeks)</b></p> <p>8.1: There are different ways of reproducing 8.2: The female reproductive system produces eggs in the ovaries                      8.3: The male reproductive system produces sperm in the testes 8.4: Things sometimes go wrong in reproduction 8.5: Plant sexual reproduction produces seeds 8.6: Reproduction techniques have an impact in agriculture  <b>Experiments pp 211-212 (8.1, 8.4,8.5)</b></p>	<p>Item SA 8: Reproduction</p>	<p><b>Week 8</b>                      Exam Block</p>