



## YEAR 8 SCIENCE WORK PLAN: Semester 1, 2017- 8D Mr Moore, 8A & 8B Mrs Carey, 8C Mrs Jennings

UNIT	TERM 1 (10 weeks) TOPICS	Learning Experiences & ASSESSMENT TASKS	DUE DATE
Ch1          Ch 3	<b>Science Toolkit (2 Weeks)</b> 1.1: Science labs contain hazards 1.3: Science design their own experiments PRAC: Endo and Exothermic Reactions 1.4: Scientists keep a log book and write formal reports 1.5: Tables and graphs are used to present scientific data <b>Experiments pp 156-159 (Labs skills and safety, 1.4)</b> <b>Energy (7 Weeks)</b> 3.1: Energy can be transferred 3.2: Potential energy is stored energy 3.3: Moving objects have kinetic energy 3.4: Energy can be transformed 3.5: Energy cannot be created or destroyed 3.6: Energy efficiency can reduce energy consumption 3.7: Solar cells transform the Sun's light energy into electrical energy 3.8: Engineers use their understanding of energy to solve problems <b>Experiments pp 168-172 (3.1, 3.5 plus Mashmallow assignment)</b>	Task 1 PR - Practical Report – Sling-shot Challenge (Marshmallow)              Task 2 SA – Supervised Assessment – EXAM (45 minutes) - Energy   Catapult Challenge (Formative)	<b>Hand out: Week 3</b> 8D P5 Tues 7/2 8C P6 Tue 7/2 8A P4 Tue 7/2 8B P3 Wed 8/2  <b>Due: Week 5</b> 8D P5 Tues 21/2 8C P6 Tue 21/2 8A P4 Tue 21/2 8B P3 Wed 22/2  <b>Week 10</b> 8D P1 Wed 29/3 8C P1 Wed 29/3 8B P3 Wed 29/3 8A P4 Wed 29/3
UNIT	TERM 2 (10 weeks) TOPICS	Learning Experiences & ASSESSMENT TASKS	DUE DATE
Ch 6          Ch 7	<b>Cells (4 Weeks)</b> 6.1: All living things are made up of cells 6.2: Microscopes are used to study cells 6.3: Plant and animal cells have organelles 6.4: All organisms have cells that specialise 6.5: Bacteria are single-celled organisms 6.6: Eukaryotic cells undergo mitosis 6.7: Fungal cells save lives 1.2: Dissection is an important skill <b>Experiments pp 196-203 (6. 1s, 6.2s, 6.3c, 6.3A, 6.3b, 6.4, 6.5, 6.6c)</b> <b>Surviving (4 Weeks)</b> 7.1: The human body is divided into systems 7.2: The digestive system is made up of organs 7.3: The digestive system varies between animals 7.4: Things sometimes go wrong in the digestive system 7.5: The respiratory system exchanges gases 7.6: Things sometimes go wrong in the respiratory system 7.7: The circulatory system carries substances around the body 7.8: Things sometimes go wrong in the circulatory system 7.9: The excretory system removes waste 7.10: Plants have tissues and organs <b>Experiments pp 203            210(7.1c, 7.2A, 7.2B, 7.5A, 7.5B, 7.7.8c, 7.10A, 7.10B, 7.10c, 7.10)</b>	Task 3 DT – Data Test (45 minutes) - Microscopes              Task 4 SA – Supervised Assessment – EXAM (90 minutes)              Task 5 EEI – CREST Project.	<b>Week 4</b> 8D P2 Thu 11/5 8C P5 Thu 11/5 8B P6 Thu 11/5 8A P4 Fri 12/5          <b>Exam Block</b>          <b>Hand out: Week 8</b>