

Stage 2 Earth and Environmental Science 2019

Teacher: Rebecca Vogt

Weeks	Topic	Summative Assessments
Term 1 1-7	Topic 1: Earth Systems <ul style="list-style-type: none"> ➤ Four Systems on Earth <ul style="list-style-type: none"> - Geosphere - Atmosphere - Biosphere - Hydrosphere ➤ Changes and interactions between the spheres 	Earth Systems Poster Practical Investigation
8-11 Term 2 1-4	Topic 2: Earth Resources <ul style="list-style-type: none"> ➤ Geological Resources <ul style="list-style-type: none"> - Energy (Petroleum, Coal, Uranium, Geothermal) - Metals (Iron, Copper, Aluminum, Zinc) - Non-metallic (Sand, gravel, limestone) ➤ Discovery Techniques <ul style="list-style-type: none"> - Magnetic & Electromagnetic surveys - Geochemical sampling ➤ Extraction of Resources <ul style="list-style-type: none"> - Resource extraction - Fossil fuel extraction - Environmental impacts of extraction 	Topic Test – Earth Resources Design Practical Investigation
Term 2 5-10 Term 3 1-2	Topic 3: Earth's Sustainable Future <ul style="list-style-type: none"> ➤ Renewable Resources <ul style="list-style-type: none"> - Biofuels - Solar - Wind - Geothermal energy ➤ Water and Soil Sustainability ➤ Advantages and Disadvantages of renewable and non-renewable resources 	Topic Test: Earth's Sustainable Future Science as a Human Endeavour Investigation
Term 3 3-10	Topic 4: Climate Change <ul style="list-style-type: none"> ➤ Natural Process in atmosphere (Greenhouse Effect) ➤ Natural process within Earth (Plate Tectonics Super cycle) ➤ Oceans <ul style="list-style-type: none"> - Currents/circulation - Weather systems ➤ Anthropogenic Climate (Enhances Greenhouse Effect) ➤ Models of Change <ul style="list-style-type: none"> - Records - CO₂ - Circulation Models ➤ Effects of Climate change on Earth Systems 	Earth Systems Study External Assessment (30%) Climate Change Oral Presentation
Term 4 1-2	Catch up (if required)	