Year 8 Science

Term One

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Periodic Table and Elements			**Breathing and Digestion**		
Atomic Diagrams, Periodic Table, Group 1,7 & 0, Trends in the Periodic Table, Atoms vs elements vs compounds vs mixtures, Chemical Formulae, Chemical Equations, Balancing Equations			The Body, Inhalation, Gas Exchange, Circulation, Digestive System, Healthy Diet, Food Tests, Drugs & Alcohol, Exercise.		

Term Two

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Breathing and Digestion	**Separating Techniques**		**Magnetism**		**Light**
See Previous	Mixtures, Solutions, Dissolving, Filtration, Distillation, Chromatography		Forces and Fiels, Ideas about Fields, Using Electromagnets, Investigating Electromagnets.		Eye, Light, Reflection, Refraction, Filters

Term Three

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Light	**Forces**			**Climate and Earth's Resources**	
Eye, Light, Reflection, Refraction, Filters	Balanced vs Unbalanced, Weight vs Mass, Gravity & Friction, Hooke's Law, Moments, Pressure in Solids and Liquids.			Atmosphere, Global Warming, Carbon Cycle, Reactivity Series, Recycling	

Term Four

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Evolution and Inheritance				**Work, Conduction and Convection**	**End of year Revision**
Ecosystems, Biodiversity, Natural Selection and Evolution, Extinction, Inheritance, Genome, Genetically Modified Organisms (GMOs), DNA Mutations				Work Done, Moments, Heat vs Temperature, Conductors, Insulators, Convection, Radiation	Revision using data from previous assessments to prepare for end of year exam.

Term Five

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Work, Conduction and Convection	**Waves**		**Chemical Reactions**		
Work Done, Moments, Heat vs Temperature, Conductors, Insulators, Convection, Radiation	Waves, Electromagnetic Spectrum, Sound Waves, Modelling Waves		Chemical Reactions, Exothermic and Endothermic Reactions, Combustion, Thermal Decomposition, Conservation of Mass		

Term Six

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
End of year Revision	**Respiration and Photosynthesis**			**Skills**	**Enrichment**
Revision using data from previous assessments to prepare for end of year exam.	Aerobic and Anaerobic Respiration, Exercise and how it affects Respiration, Photosynthesis (plus practical), Adaptations of Photosynthesis.			Bespoke to class. Could include math skills (like graphing or calculating mean), could be practical skills, could be going over topics that were weak etc...	Not in subject.