	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Term 1	**Term 2**	**Term 3**	**Term 4**	**Term 5**	**Term 6**
Y10 Bio	B4 Bioenergetics (RCO review)	**B5 Homeostasis and response (RCO review)**	**B6 Inheritance, variation & evolution (DHU review)**	**B6 Classification & B7 Ecology (DHU review)**	**B6 Classification & B7 Ecology (DHU review**	**Revision of year 9 and 10 content**
	4.4.1 Photosynthesis 4.4.2 Respiration *Required practical 4: investigate a factor that affects the rate of photosynthesis.*	4.5.1 Homeostasis 4.5.2 The human nervous system 4.5.3 Hormonal coordination in humans *Required practical: investigate the effect of a factor on human reaction time.* **NOT including 4.5.2.2 The brain 4.5.2.3 The eye 4.5.2.4 Control of body temperature 4.5.3.3 Maintaining water and nitrogen balance in the body 4.5.4 Plant hormones**	4.6.1 Reproduction 4.6.2 Variation and evolution 4.6.3 The development of understanding of genetics and evolution NOT including 4.6.1.3 Advantages and disadvantages of sexual and asexual reproduction 4.6.1.5 DNA structure 4.6.2.5 Cloning 4.6.3.1 Theory of evolution 4.6.3.2 Speciation 4.6.3.3 The understanding of genetics	4.6.4 Classification of living organisms 4.7.1 Adaptions, interdependence and competition 4.7.2 Organisation of an ecosystem 4.7.3 Biodiversity and the effect of human interaction on ecosystems *Required practical 7: investigate the population size of a common species in a habitat.* NOT including 4.7.2.3 Decomposition 4.7.2.4 Impact of the environmental change 4.7.4 Trophic levels in an ecosystem 4.7.5 Food production	4.6.4 Classification of living organisms 4.7.1 Adaptions, interdependence and competition 4.7.2 Organisation of an ecosystem 4.7.3 Biodiversity and the effect of human interaction on ecosystems *Required practical 7: investigate the population size of a common species in a habitat.* NOT including 4.7.2.3 Decomposition 4.7.2.4 Impact of the environmental change 4.7.4 Trophic levels in an ecosystem 4.7.5 Food production	**Structured revision of topics B1-B7 with an emphasis on year 9 topics; B1-B3. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.**
Y10 Chem	**C4 Chemical Changes (DHU)**	**C4 Electrolysis & C5 Energy Changes (JMA)**	**C6 Equilibria & C8 Chemical analysis (RCO)**	**C10 Using resources (JMA)**	**C7 Organic Chemistry & C9 Chemistry of the atmosphere (JMA review)**	**Revision of year 9 and 10 content**
	4.4.1 Reactivity of metals 4.4.2 Reactions of acids *Required Practical: Preparation of a pure, dry sample of a soluble salt from an insoluble oxide or carbonate*	4.4.3 Electrolysis 4.5.1 Exothermic and endothermic reactions NOT including 4.5.2 Chemical cells and fuel cells *Required Practical: Investigate what happens when aqueous solutions are electrolysed using inert electrodes.* *Investigate the variables that affect temperature changes in reacting solutions*	4.6.2 Reversible reactions and dynamic equilibrium 4.8.1 Purity, formulation and chromatography 4.8.2 Identification of common gases **NOT including 4.8.3 Identification of ions by chemical and spectroscopic means** *Investigate how paper chromatography can be used to separate*	4.10.1 Using the Earth's resources and obtaining potable water 4.10.2 Life cycle assessment and recycling **NOT including 4.10.3 Using materials 4.10.4 The Haber process and the use of NPK fertilisers** *Required Practical: Analysis and purification of water samples*	4.7.1 Carbon compounds as fuels and feedstock **NOT including 4.7.2 Reactions of alkenes and alcohols 4.7.3 Synthetic and naturally occurring polymers** 4.9.1 The composition and evolution of the Earth's atmosphere 4.9.2 Carbon dioxide and methane as greenhouse gases 4.9.3 Common atmospheric pollutants and their sources	**Structured revision of topics C1-C10 with an emphasis on year 9 topics; C1-C3. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.**

	P6 Waves (HMA review)	**P2 Electricity (PTU review)**	**P7 Magnestism and Electromagnetism (DHU review)**	**P3 Particle model of matter & P4 Atomic Structure (DHU review)**	**P5 forces completion from year 9 last year.**	**Revision of year 9 and 10 content**
Y10 Phys	4.6.1 Waves in air, fluids and solids 4.6.2 Electromagnetic waves **NOT including 4.6.1.3 Reflection of waves** **4.6.1.4 Sound waves** **4.6.1.5 Waves for detection and exploration** **4.6.2.5 Lenses** **4.6.2.6 Visible light** **4.6.3 Black body radiation** *Req prac: Make observations to identify the suitability of apparatus to measure the frequency, wavelength and speed of waves in a ripple tank and waves in a solid and take appropriate measurements* *Req Prac: Investigate how the amount of infrared radiation absorbed or radiated by a surface depends on the nature of that surface.*	4.2.1 Current, potential difference and resistance 4.2.2 Series and parallel circuits 4.2.3 Domestic uses and safety 4.2.4 Energy transfers **NOT including 4.2.5 Static electricity** *Req Practical: Use circuit diagrams to construct appropriate circuits to investigate the I-V characteristics of a variety of circuit elements including a filament lamp, a diode and a resistor at constant temperature.*	4.7.1 Permanent and induced magnetism, magnetic forces and fields 4.7.2 The motor effect **NOT including 4.7.2.4 Loudspeakers and 4.7.3 Induced potential, transformers and the National Grid.**	4.3.1 Changes of state and the particle model 4.3.2 Internal energy and energy transfers 4.3.3 Particle model and pressure **NOT including 4.3.3.2 Pressure in gases** **4.3.3.3 Increasing the pressure of a gas** *Required Prac: Use appropriate apparatus to make and record the measurements needed to determine the densities of regular and irregular solid objects and liquids.* 4.4.1 Atoms and isotopes 4.4.2 Atoms and nuclear radiation 4.4.3 Hazards and uses of radioactive emissions and of background **NOT including 4.4.4 Nuclear fission and fusion**	Applying what has been taught to Newton's laws and investigating motion. It may be possible to start the Term 6 tasks earlier in preparation for the mocks.	**Structured revision of topics P1-P7 with an emphasis on year 9 topics; P1 and P5. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.**

	Term 1	Term 2	Term 3	Term 4	Term 5
Y11 Biology	**B3.1 Movement across membranes (plants taught with B3.2) (RCO)**	**B3.2 Transport Systems (inc. B3.1 membrane transport in plants) (RCO)**	**B3.3 Homeostasis (DHU)**	**B3.4 Humans and their Environment & B3 Mock (RCO)**	**Unit 1 and 2 Revision**
	The cells, tissues and organs in animals are adapted to take up and get rid of dissolved substances. Different conditions can affect the rate of transfer. Sometimes energy is needed for transfer to take place.	Substances are transported around the body by the circulatory system (the heart, the blood vessels and the blood). Plants have separate transport systems for water and nutrients.	Humans need to remove waste products from their bodies to keep their internal environment relatively constant. Water and ion content, body temperature and blood glucose levels must be kept within very narrow ranges.	Humans often upset the balance of different populations in natural ecosystems, or change the environment so that some species find it difficult to survive. Humans rely on ecosystems for food, water and shelter.	Structured revision of B1 and B2 unit exams. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.
Y11 Chemistry	**C3.1 The Periodic Table & C3.2 Water (JMA)**	**C3.3 Energy Changes & C3.4 Chemical analysis (JMA)**	**C3.5 Making Ammonia & C3.6 Alcohols, Carboxylic Acids and Esters (JMA)**	**Some of B3.4, C3 mock & revision**	**Unit 1 and 2 Revision**
	The modern periodic table has been developed from work begun by Newlands and Mendeleev. The water we drink is not pure water because it contains dissolved substances. It should be safe to drink water that has been treated.	Knowing the amount of energy involved in chemical reactions is useful so that resources are used efficiently and economically.	Alcohols and carboxylic acids are important organic chemicals that have many uses. Alcohols react with carboxylic acids to produce esters.	B3.4 Section on Biofuels/fuels and the impact of them on the environment. Structured revision of C3 unit exam. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.	Structured revision of B1 and B2 unit exams. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.
Y11Physics	**P3.3 Keeping things moving (HMA)**	**P3.1 Medical Application of Physics (DHU)**	**P3.2 Using Physics to make things work (HMA)**	**P3 Mock & Revision**	**Unit 1 and 2 Revision**
	Electric currents produce magnetic fields. Forces produced in magnetic fields can be used to make things move. This is called the motor effect and is how appliances such as the electric motor create movement. Many appliances do not use 230 volts mains electricity. Transformers are used to provide the required potential difference.	Physics has many applications in the field of medicine. These include the uses of X-rays and ultrasound for scanning, and of light for image formation with lenses and endoscopes.	Many things, from simple toys to complex fairground rides, are constructed from basic machines such as the lever. A knowledge of the physics involved in balancing and turning can help us to make these appliances work.	Structured revision of P3 unit exam. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.	Structured revision of B1 and B2 unit exams. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.

	Term 1	Term 2	Term 3	Term 4	Term 5
Y11 Double Biology DHU	**Water Cooling ISA**	**B1 Revision**	**B1 Revision**	**B2 Revision**	**B2 Revision**
	Necessary Key ISA skills. **Carry out Water cooling ISA alongside other two teachers.**	Structured revision of B1 exam. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.	Structured revision of B1 exam. Emphasis on 6 mark Q's This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.	Structured revision of B2 exam. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.	Structured revision of B2 exam. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.
Y11 Double Chemistry RCO	**Water Cooling ISA**	**C1 Revision**	**C1 Revision**	**C2 Revision**	**C2 Revision**
	Analysis of their previous paper 1's. Method writing masterclass. **Carry out Water cooling ISA alongside other two teachers.**	Structured revision of C1 exam. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.	Structured revision of C1 exam. Emphasis on 6 mark Q's This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.	Structured revision of C2 exam. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.	Structured revision of C2 exam. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.
Y11 Double Physics HMA	**Water Cooling ISA**	**P1 Revision**	**P1 Revision**	**P2 Revision**	**P2 Revision**
	Analysis of their previous Paper 2 section A and B. **Carry out Water cooling ISA alongside other two teachers.**	Structured revision of P1 exam. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.	Structured revision of P1 exam. Emphasis on 6 mark Q's This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.	Structured revision of P2 exam. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.	Structured revision of P2 exam. This includes overlearning key points ofeach topic coupled with exam technique tuition and exam practicse.