

Revision lists for trilogy groups

Sets 2,3, and 4

Mrs Normandale - Biology

Mr Cohen - Chemistry

Mr Woodruff - Physics

Biology revision list - Mrs Normandale

Date	Revision unit	Topics
22nd -26th March	B5: Homeostasis	Nerves: reflexes, synapses, reaction times Hormones Fertility
29th March - 9th April (Easter)	Recap bioenergetics and inheritance	Already done in class, use knowledge organisers.
12th April - 16th April	B1: Cell biology	Cell types and organelles: prokaryotic and eukaryotic, stem cells, specialised cells Microscopy: equation, making a slide Transport: osmosis, diffusion and active transport Exchanging substances: lungs, intestines
19th April - 23rd April	B2: Organisation	Levels of organisation: 5 levels Digestion: organs in the digestive system, food tests Enzymes: in digestion, factors affecting enzymes Circulatory system: the heart, blood, blood vessels
26th April - 30th April	B3: Infection and response	Communicable diseases: pathogens, examples for each pathogen, how to reduce the spread Non-communicable diseases: examples, risk factors, treatments Fighting disease: immunity, vaccines, drugs
4th - 6th May (3 days only)	Required practicals Triple: Plant diseases	Food tests Microscopes Osmosis Light and photosynthesis

Chemistry revision list Mr Cohen

Date	Unit	Key knowledge
22nd -26th March	C1: Atomic structure and the periodic table C2: Bonding, structure and the properties of matter	C1: Structure of the atom; the periodic table; chemical equations; separation techniques; Groups 1, 0 and 7. C2: Ionic bonding; covalent bonding; ionic and covalent structures; metallic bonding; states of matter
29th March - 9th April (Easter)	C7: Organic chemistry C8: Chemical analysis	C7: Crude oil; fractional distillation; alkanes; cracking C8: Pure and impure substances; paper chromatography; gas tests
12th April - 16th April	C2: Bonding, structure and the properties of matter C3: Quantitative chemistry	C2: Ionic bonding; covalent bonding; ionic and covalent structures; metallic bonding; states of matter C3: Masses; concentration; moles; balanced equations
19th April - 23rd April	C4: Chemical changes C5: Energy changes	C4: acids, bases and their reactions; reactivity of metals; electrolysis; extracting aluminium C5: exothermic and endothermic reactions; bond energy
26th April - 30th April	C4: Chemical changes C6: Rate and extent of chemical change	C4: acids, bases and their reactions; reactivity of metals; electrolysis; extracting aluminium C6: Rates of reaction; collision theory; factors affecting rates of reaction; reversible reactions; equilibrium
4th - 6th May (3 days only)	Required practicals and exam technique	

Physics revision list Mr Woodruff 11 Physics 2

Date	topic	Revision content
24-03-21	P4 Atomic structure	The current model of an atom, Isotopes and nuclear radiation Nuclear equations, Half-life, irradiation and contamination
12-04-21 15-04-21	P5 forces	Contact and non-contact forces, weight mass and gravity, resultant forces and work done.
		Distance, Displacement, Speed, velocity, acceleration and graphs.
		Newton's Laws, Stopping distances and momentum.
21-04-21 26-04-21	P2 Electricity	Drawing circuits, circuit rules and current.
		Resistance, $V=I/R$, I/V characteristics, Investigating resistance.
		Electricity in the home, power and The National Grid.
29-04-21 05-05-21	P1 Energy	Energy stores and energy transfers,
		Specific Heat Capacity, Power and efficiency.
		Energy resources and their uses, trends in energy use.

Physics revision list Mr Woodruff 11 Physics 3

Date	topic	Revision content
23-03-21	P4 Atomic structure	The current model of an atom, Isotopes and nuclear radiation
25-03-21		Nuclear equations, Half-life, irradiation and contamination
13-04-21	P5 forces	Contact and non-contact forces, weight mass and gravity, resultant forces and work done.
16-04-21		Distance, Displacement, Speed, velocity, acceleration and graphs.
20-04-21		Newton's Laws, Stopping distances and momentum.
22-04-21	P2 Electricity	Drawing circuits, circuit rules and current.
27-04-21		Resistance, $V=I/R$, I/V characteristics, Investigating resistance.
30-04-21		Electricity in the home, power and The National Grid.
04-05-21	P1 Energy	Energy stores and energy transfers, Specific Heat Capacity, Power and efficiency
06-05-21		Energy resources and their uses, trends in energy use.

Physics revision list Mr Woodruff 11 Physics 4

Date	topic	Revision content
26-03-21	P4 Atomic structure	The current model of an atom, Isotopes and nuclear radiation Nuclear equations, Half-life, irradiation and contamination
14-04-21	P5 forces	Contact and non-contact forces, weight mass and gravity, resultant forces and work done.
		Distance, Displacement, Speed, velocity, acceleration and graphs.
		Newton's Laws, Stopping distances and momentum.
19-04-21 23-04-21	P2 Electricity	Drawing circuits, circuit rules and current.
		Resistance, $V=I/R$, I/V characteristics, Investigating resistance.
		Electricity in the home, power and The National Grid.
28-04-21	P1 Energy	Energy stores and energy transfers,
		Specific Heat Capacity, Power and efficiency.
		Energy resources and their uses, trends in energy use.