Science Revision schedule

Week	Required Prac	Biology	Chemistry	Physics
1	B1 Microscopes	B1 Cells	C1 & C2 Bonding; covalent, ionic and metallic	P1 Energy Stores and Transfer. including Conduction and convection
2	P2 Resistance and I-V characteristics	B6 DNA, inheritance,	C1 Group 1, group 7 and Group 0/8; properties and trends.	P6 EM waves; examples and uses. Transverse and longitudinal waves. Reflection and refraction of waves. Dangers of electromagnetic waves.
3	B2 Enzyme prac	B1 and B2 Movement and Transport; Diffusion, osmosis, active transport, Translocation and transpiration.	C10 Reduce, reuse, recycle; examples for each and impact of each on the environment. Life cycle assessment	
4	C4 Making salts	B5 Nervous System; verves and reflex arc	C5 Exothermic or endothermic and bond energies	P1 Specific heat capacity, conservation of energy and power, efficiency. Reducing energy loss.
5	B2 Food Tests	B2 Enzymes- Factors that affect enzyme activity, Denature.	C4 Acids and bases	P5 Identify the forces, calculate weight,
6	P3 density	B5 Menstrual cycle, Diabetes and water control.	C1 History of the atom	P7 Magnets and Electromagnets
7	C6 Rate of reaction	B3 Different disease; Bacterial, viral or Protista	C6 Rates of reactions; factors that affect the rate of a reaction	P5 movement; distance-time, velocity-time, terminal velocity
8	B4 Rate of photosynthesis	B3 immune response, white blood cells, and vaccines.	C10 Potable water, and waste water treatment	P1 & P2 Energy resources; renewable and non-renewable. Generating electricity.
9	C4 electrolysis	B2 Digestive system; what happens where, where are the enzymes made and what do they make.	C2 Allotropes of carbon	P7 Motors and motor effect
10	P5 Force and extension	B2 & B3 Non-communicable diseases; Cancer, CHD, Diabetes,	C8 purity and formulation	P2 Electric circuits
11	C5 Temperature Change	B7 Abiotic and biotic factors and the effect they have on ecosystems	C9 formation of the atmosphere	P5 Newtons 1st, 2nd and third laws P7 Flemings left hand rule.
12	P6 Waves	B1 Specialised cells	C6How to measure the rate of a reaction	P3 Density
13	B1 Osmosis	Mitosis or Meiosis	Separation techniques and equipment. Tests for gases	P4 Radiation; 3 types, properties and uses

14	P5 Acceleration	B4 Photosynthesis	C2 & C4 Ionic bonding, ions and Electrolysis	P4 History of the atom
15	C8 chromatography	B4 Respiration	C7 Alkanes and alkenes	Paper 1 calculations
16	P6 Radiation and absorption	Plants Vs Animals; Start from cells and complete a summary and comparison for each.	C3 Atomic mass, molecular mass, atom economy, C3 Moles- Higher	Paper 2 Calculations
17	B5 Reaction time- ruler drop	Ethics; identify concepts that can be seems as right or wrong/ for or against. For each topic write an evaluation for/against arguments each	C6 Le Chatelier's Principle	P3 Specific latent heat; internal energy, changing state. Gas pressure.
18	P1 specific heat capacity	Example graphs; what graphs could you be asked to draw or interpret.	C7 fractional distillation and using fractions	Example graphs; what graphs could you be asked to draw or interpret.
19	C10 water purification	Renewable and non-renewable resources and energy. Impact on the environment; greenhouse gases and climate change. This is common in all three. (B7, C10, P1 and P2)		
20	B7 Field investigations; Quadrats and Transects	6 mark questions.	6 mark questions.	6 mark questions.