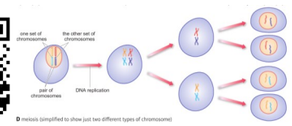
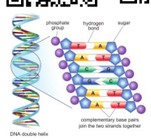
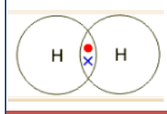
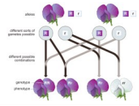
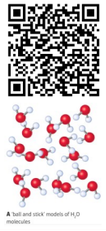
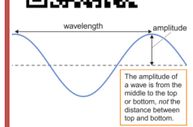
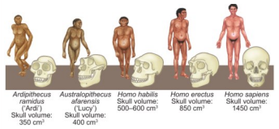
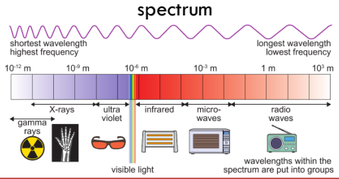
Easter Holiday Week 1

Mon	Tue	Wed	Thu	Fri	Sat	Sun
CB3e: gene mutation CB3f: variation **Things to revise** 1. Discontinuous variation 2. Human genome project 3. Mutation	CB4b: Darwin's theory **Things to revise** 1. 5 steps of evolution 2. Antibiotic resistance 3. Natural selection	CB1a: microscopes. **Things to revise** 1. Resolution and magnification. 2. Magnification calculation. 3. SI units	CC1a: states of matter CC2a: mixtures **Things to revise** 1. State changes 2. Elements, compounds, mixtures 3. Melting curves	CP1a: vectors and scalers **Things to revise** 1. Magnitude 2. Displacement 3. Velocity 4. Momentum		
CB1b: plant and animal cells CB1c: specialised cells CB1d: inside bacteria **Things to revise** 1. Cell organelles. 2. Sperm, egg, ciliated epithelial cells. 3. Standard form.	CC2b: Filtration and crystallization **Things to revise** 1. Solvent, solute 2. Filtration 3. Risk assessment	CP1b: distance time graphs CP1c: Acceleration **Things to revise** 1. Speed calculation 2. Gradient 3. Acceleration calculation	CB1e: enzymes and nutrition CB1f: Enzyme action **Things to revise** 1. Lock and key 2. Digestion system where the enzymes work. 3. 4 different digestive enzymes	CC2c: paper chromatography **Things to revise** 1. RF value 2. Solubility 3. Stationary phase		
CP1d: velocity/time graph **Things to revise** 1. Speed calculation 2. Calculating distance 3. Velocity	CB1g: enzyme activity **Things to revise** 1. The effect of pH, temperature, substrate concentration. 2. Iodine and amylase core practical.	CC2d: Distillation CC2e: drinking water **Things to revise** 1. Condensation 2. Fractional distillation 3. Water purification	CP2a: resultant forces CP2b: Newton's First Law **Things to revise** 1. Scalers and vectors 2. Balanced/ unbalanced 3. Centripetal force	CB1h: transporting substances **Things to revise** 1. Diffusion 2. Osmosis 3. Active transport.		
CC3a: Structure of an atom CC3b: Z & A **Things to revise** 1. Atomic number (Z) and mass (A) 2. Rutherford 3. Dalton model	CP2c: Mass and Weight **Things to revise** 1. Weight and Mass 2. Gravitational field strength 3. Resultant force	CB2a: Mitosis **Things to revise** 1. The stages of mitosis. 2. Diploid and haploid.	CC3c: isotopes **Things to revise** 1. Isotopes 2. Abundance	CP2d: Newton's second law **C** This triangle can help you to change the subject of the equation. Cover up the quantity you want to find, and what you can see is the equation you need to use. **Things to revise** 1. Acceleration 2. light gate prac		
CB2b: growth in animals CB2c: growth in plants CB2d: stem cells **Things to revise** 1. cell differentiation. 2. Percentile charts 3. Meristems 4. Embryonic stem cells	CC4a: Periodic table CC4b: Z and the PT **Things to revise** 1. Groups and periods 2. Mendeleev's periodic table 3. Pair reversal	CP2e: Newton's Third Law **Things to revise** 1. Action reaction forces. 2. Collision.	CB2e: nervous system CB2f: neurotransmission speed **Things to revise** 1. synapse 2. Nerve structure 3. Reflex arc	CC4c: electron configuration **Things to revise** 1. Electron shells 2. Configuration		

Easter Holiday Week 2

Mon	Tue	Wed	Thu	Fri	Sat	Sun
CP2f: momentum *CP2g: stopping distance* *CP2h:crash hazards* **Things to revise** 1. Momentum calculation 2. Thinking distance 3. Crumple zones	*CB3a: meiosis* **Things to revise** 1. Fertilisation - zygotes & gametes. 2. Chromosomes– fusion.  D meiosis (simplified to show just two different types of chromosome)	*CC5a: ionic bonds* *CC5b: Ionic lattices* *CC5c: properties of ionic compounds* **Things to revise** 1. Cations and anions. 2. Electrostatic forces 3. Melting, boiling points Na⁺ (a sodium ion) Cl⁻ (a chloride ion) A Sodium chloride forms a cubic lattice structure.	*CP3a: energy stores and transfers* *CP3b: energy efficiency* **Things to revise** 1. Efficiency calculation 2. Sankey diagram 3. Conservation of energy 	*CB3bi, CB3bii: DNA* **Things to revise** 1. DNA extraction 2. Structure of DNA 3. Base pairs. 		
CC6a: covalent bonds **Things to revise** 1. Outer shell electrons 2. Electrostatic forces 3. Dot and cross diagrams 	*CP3c: keeping warm* *CP3d: Stores energies* **Things to revise** 1. KE calculation 2. GPE calculation 	*CB3c: Alleles* *CB3d: inheritance* **Things to revise** 1. Punnet squares. 2. Homozygous and hetrozygous 3. Variation (phenotype) 	*CC7a: molecular compounds* **Things to revise** 1. Intermolecular forces 2. Conduction of electricity 3. Polymers 	*CP3e: non-renewable resources* *CP3f: renewable resources* **Things to revise** 1. Nuclear power 2. Tidal and geothermal 3. Solar and biofuels 		
CC7b: allotropes of carbon **Things to revise** 1. fullerenes 2. Graphene 3. Giant structure of carbon 	*CP4a: describing waves* **Things to revise** 1. Wavelength 2. Longitudinal, transverse 3. Amplitude 	*CB4a: human evolution* **Things to revise** 1. Lucy and Ardi 2. Use of tools 3. Fossil evidence 	*CC7c: properties of metals* *CC7d: bonding models* **Things to revise** 1. Conductivity 2. Different bonds 3. malleable	*CP4b: Wave speeds* *CP4c: refraction* **Things to revise** 1. Frequency 2. Ripple tank practical 3. Refraction and normal 4. Speed, distance, time 		
CC9a: Masses and empirical formulae *CC9b: conservation of mass* **Things to revise** 1. Relative formula mass 2. Concentration of solutions 3. Calculating masses	*CP5a: electromagnetic waves* *CP5b: EM spectrum* **Things to revise:** 1. frequencies on the spectrum 	*CB4c: classification* *CB4d: breeds* *CB4e: genes in agriculture* **Things to revise** 1. 3 domains 2. 5 kingdoms 3. Genetic engineering 4. Selective breeding. 	*CC9c: Moles* **Things to revise** 1. Avogadro's constant 2. reactions 3. Balancing equations 	*CP5c: using the long wavelengths* *CP5d: using the short wavelengths* *CP5e: EM radiation dangers* **Things to revise** 1. Mutations 2. Radiotherapy 3. Oscillations 		
	2 - Biology Exam Tuesday 2nd May	***3 - Chemistry Exam*** Wednesday 3rd May	***4– physics exam*** Thursday 4th May			