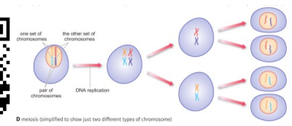
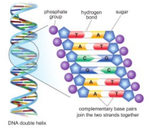
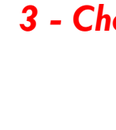
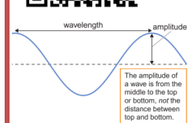
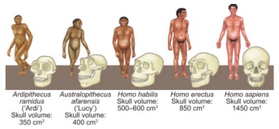
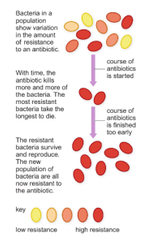
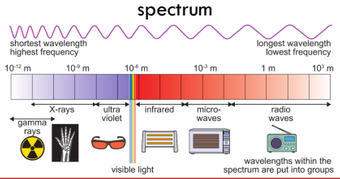
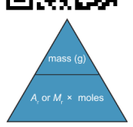
March 2017 - Yr 10 revision timetable

PRIDE THROUGH SUCCESS

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1. CB1a: microscopes. **Things to revise** 1. Resolution and magnification. 2. Magnification calculation. 3. SI units	2. CC1a: states of matter CC2a: mixtures **Things to revise** 1. State changes 2. Elements, compounds, mixtures 3. Melting curves	3. CP1a: vectors and scalers **Things to revise** 1. Magnitude 2. Displacement 3. Velocity 4. Momentum	4	5
6. 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.	7. CC2b: Filtration and crystallization **Things to revise** 1. Solvent, solute 2. Filtration 3. Risk assessment	8. CP1b: distance time graphs CP1c: Acceleration **Things to revise** 1. Speed calculation 2. Gradient 3. Acceleration calculation	9. 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	10. CC2c: paper chromatography **Things to revise** 1. RF value 2. Solubility 3. Stationary phase	11	12
13. CP1d: velocity/time graph **Things to revise** 1. Speed calculation 2. Calculating distance 3. Velocity	14 . CB1g: enzyme activity **Things to revise** 1. The effect of pH, temperature, substrate concentration. 2. Iodine and amylase core practical.	15. CC2d: Distillation CC2e: drinking water **Things to revise** 1. Condensation 2. Fractional distillation 3. Water purification	16. CP2a: resultant forces CP2b: Newton's First Law **Things to revise** 1. Scalers and vectors 2. Balanced/ unbalanced 3. Centripetal force	17. CB1h: transporting substances **Things to revise** 1. Diffusion 2. Osmosis 3. Active transport.	18	19
20. CC3a: Structure of an atom CC3b: Z & A **Things to revise** 1. Atomic number (Z) and mass (A) 2. Rutherford 3. Dalton model	21. CP2c: Mass and Weight **Things to revise** 1. Weight and Mass 2. Gravitational field strength 3. Resultant force	22. CB2a: Mitosis **Things to revise** 1. The stages of mitosis. 2. Diploid and haploid.	23. CC3c: isotopes **Things to revise** 1. Isotopes 2. Abundance	24. 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	25	26
27. 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	28. CC4a: Periodic table CC4b: Z and the PT **Things to revise** 1. Groups and periods 2. Mendeleev's periodic table 3. Pair reversal	29. CP2e: Newton's Third Law **Things to revise** 1. Action reaction forces. 2. Collision.	30. CB2e: nervous system CB2f: neurotransmission speed **Things to revise** 1. synapse 2. Nerve structure 3. Reflex arc	31. CC4c: electron configuration **Things to revise** 1. Electron shells 2. Configuration		

April 2017 - Yr 10 revision timetable

PRIDE THROUGH SUCCESS

Mon	Tue	Wed	Thu	Fri	Sat	Sun
3. CP2f: momentum CP2g: stopping distance CP2h:crash hazards  **Things to revise** 1. Momentum calculation 2. Thinking distance 3. Crumple zones	4. CB3a: meiosis **Things to revise** 1. Fertilisation - zygotes & gametes. 2. Chromosomes– fusion.  D meiosis (simplified to show just two different types of chromosome)	5. CC5a: ionic bonds CC5b: Ionic lattices CC5c: properties of ionic compounds  A Sodium chloride forms a cubic lattice structure. **Things to revise** 1. Cations and anions. 2. Electrostatic forces 3. Melting, boiling points	6. CP3a: energy stores and transfers CP3b: energy efficiency  **Things to revise** 1. Efficiency calculation 2. Sankey diagram 3. Conservation of energy	7. CB3bi, CB3bii: DNA   **Things to revise**  DNA double helix 1. DNA extraction 2. Structure of DNA 3. Base pairs.	8	9
10. CC6a: covalent bonds **Things to revise** 1. Outer shell electrons 2. Electrostatic forces 3. Dot and cross diagrams 	11. CP3c: keeping warm CP3d: Stores energies **Things to revise** 1. KE calculation 2. GPE calculation 	12. CB3c: Alleles CB3d: inheritance  **Things to revise** 1. Punnet squares. 2. Homozygous and hetrozygous 3. Variation (phenotype) 	13. CC7a: molecular compounds  **Things to revise** 1. Intermolecular forces 2. Conduction of electricity 3. Polymers 	14. CP3e: non-renewable resources CP3f: renewable resources **Things to revise** 1. Nuclear power 2. Tidal and geothermal 3. Solar and biofuels 	15/16. CB3e: gene mutation CB3f: variation **Things to revise** 1. Discontinuous variation 2. Human genome project 3. Mutation 	
17. CC7b: allotropes of carbon  **Things to revise** 1. fullerenes 2. Graphene 3. Giant structure of carbon 	18. CP4a: describing waves  **Things to revise** 1. Wavelength 2. Longitudinal, transverse 3. Amplitude 	19. CB4a: human evolution **Things to revise** 1. Lucy and Ardi 2. Use of tools 3. Fossil evidence  	20. CC7c: properties of metals CC7d: bonding models  **Things to revise** 1. Conductivity 2. Different bonds 3. malleable 	21. CP4b: Wave speeds CP4c: refraction  **Things to revise**  1. Frequency 2. Ripple tank practical 3. Refraction and normal 4. Speed, distance, time	22/ 23. CB4b: Darwin's theory  **Things to revise** 1. 5 steps of evolution 2. Antibiotic resistance 3. Natural selection 	
24. CC9a: Masses and empirical formulae CC9b: conservation of mass  **Things to revise** 1. Relative formula mass 2. Concentration of solutions 3. Calculating masses	25. CP5a: electromagnetic waves CP5b: EM spectrum **Things to revise:** 1. frequencies on the spectrum 	26. CB4c: classification CB4d: breeds CB4e: genes in agriculture   **Things to revise** 1. 3 domains 2. 5 kingdoms 3. Genetic engineering 4. Selective breeding.	27. CC9c: Moles  **Things to revise** 1. Avogadro's constant 2. reactions 3. Balancing equations 	28. CP5c: using the long wavelengths CP5d: using the short wavelengths CP5e: EM radiation dangers  **Things to revise** 1. Mutations 2. Radiotherapy 3. Oscillations 	29/ 30	
1	**2 - Biology Exam**	**3 - Chemistry Exam**	**4– physics exam**			