

Year 11 - Triple Science - Additional Science Start

Students sitting Biology, Chemistry and Physics Exams in June 2017 (B1, B2, B3, C1, C2, C3, P1, P2, P3)

Week Commencing	Unit/Title	Teacher One	Teacher Two	Key Dates
05 September 2016		C2 - Lesson 1 - Atomic Structure	C2 - Lesson 19 - Collision Theory	Start back 6 Sept
		C2 - Lesson 2 - Electron Arrangement	C2 - Lesson 20 - Factors Affecting Rate of Reaction	
		C2 - Lesson 3 - Ionic Bonding	C2 - Lesson 21 - Surface Area	
		C2 - Lesson 4 - Ionic Bonding - Chemical Equations		
12 September 2016		C2 - Lesson 5 - Covalent Bonding	C2 - Lesson 22 - Catalysts	Assessment
		C2 - Lesson 6/7 - Structures and Properties	C2 - Lesson 23 - Assessment	
		C2 - Lesson 8 - Assessment	C2 - Lesson 24 - Ar and Mr	
		C2 - Lesson 9 - Polymers		
19 September 2016		C2 - Lesson 10 - Nanoscience	C2 - Lesson 25 - Mass of Product and Reactant	
		C2 - Lesson 11 - Electrolysis	C2 - Lesson 26 - Assessment	
		C2 - Lesson 12 - Electrolysis	C2 - Lesson 27 - Empirical Formula	
		C2 - Lesson 13 - Uses of Electrolysis		
26 September 2016		C2 - Lesson 14 - Assessment	C2 - Lesson 28 - GC and Mass Spec	DC1 due 28 Sept
		C2 - Lesson 15 - Acids and Alkalis	C2 - Lesson 29 - Assessment	
		C2 - Lesson 16 - Salts	C2 - Lesson 30 - Exothermic and Endothermic Reactions	
		C2 - Lesson 17 - Ammonium Nitrate		
03 October 2016		C2 - Lesson 18 - Assessment	B2 - Lesson 1 - Aerobic Respiration	Training day 6 Oct
		P2 - Lesson 1 - Speed and Acceleration	B2 - Lesson 2 - Anaerobic Respiration	
		P2 - Lesson 2 - Distance Time Graphs	B2 - Lesson 3 - Assessment	
		P2 - Lesson 3 - VT Graphs		
10 October 2016		P2 - Lesson 4 - Balanced vs Unbalanced Forces	B2 - Lesson 4 - Enzymes	
		P2 - Lesson 5 - Force, Mass and Acceleration	B2 - Lesson 5 - Digestive Enzymes	
		P2 - Lesson 6 - Assessment	B2 - Lesson 6 - Enzymes in Industry	
		P2 - Lesson 7 - Terminal Velocity		
17 October 2016		P2 - Lesson 8 - Assessment	B2 - Lesson 7 - Assessment	
		P2 - Lesson 9 - Stopping Distances	B2 - Lesson 8 - Cells	
		P2 - Lesson 10 - Work and Energy	B2 - Lesson 9 - Bacteria Algae and Yeast	
		P2 - Lesson 11 - Kinetic and Elastic Energy		
24 October 2016				
31 October 2016		P2 - Lesson 12 - Momentum	B2 - Lesson 10 - Organ Systems	
		P2 - Lesson 13 - Momentum Collisions and Explosions	B2 - Lesson 11 - Diffusion	
		P2 - Lesson 14 - Car Safety	B2 - Lesson 12 - Assessment	
		P2 - Lesson 15 - Stretching and Squashing Forces		
07 November 2016		P2 - Lesson 16 - GPE	B2 - Lesson 13 - Photosynthesis	
		P2 - Lesson 17 - Forces Summary	B2 - Lesson 14 - Photosynthesis Limiting Factors	
		P2 - Lesson 18 - Assessment	B2 - Lesson 17 - Assessment	
		P2 - Lesson 19 - Electrical Charges		
		P2 - Lesson 20 - Electrical Circuits	B2 - Lesson 18 - Distribution of Organisms	
		P2 - Lesson 21 - Resistance	B2 - Lesson 19 - Quadrats	
		P2 - Lesson 22 - Series and Parallel Circuits	B2 - Lesson 20 - Quadrats	

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14 November 2016		P2 - Lesson 23 - Current - PD graphs		
21 November 2016		P2 - Lesson 24 - Current - Pot Graph for Filament - Assessment P2 - Lesson 25 - DC and AC P2 - Lesson 26 - Mains Electricity P2 - Lesson 27 - Circuit Breakers and Earthing	B2 - Lesson 21 - Origins of Man B2 - Lesson 22 - Extinction and Speciation B2 - Lesson 23 - Assessment	
28 November 2016		P2 - Lesson 28 - Current and Charge P2 - Lesson 29 - Electrical power P2 - Lesson 30 - Mains Electricity Assessment P2 - Lesson 31 - History of the Atom	B2 - Lesson 24 - Genetics B2 - Lesson 25 - Mitosis and Meiosis B2 - Lesson 26 - Inheritance	Training day 30 Nov Assessment
05 December 2016		P2 - Lesson 32 - Mass Number, Atomic Number and Isotopes P2 - Lesson 33 - Background Radiation P2 - Lesson 34 - Alpha, Beta and Gamma Radiation P2 - Lesson 35 - Half Life	B2 - Lesson 27 - Variation B2 - Lesson 28 - Inherited Diseases B2 - Lesson 29 - Stem Cells and Embryo Screening	
12 December 2016		P2 - Lesson 36 - Radioactivity at Work P2 - Lesson 37 - Nuclear Fission P2 - Lesson 38 - Nuclear Fusion P2 - Lesson 39 - Nuclear Energy Issues	B2 - Lesson 31 - Assessment	DC2 due 14 Dec
19 December 2016				
26 December 2016				
02 January 2017		P2 - Lesson 40 - Assessment P2 - Lesson 41 - Galaxies P2 - Lesson 42 - Life Cycle of Stars P2 - Lesson 43 - How Chemical Elements Were Formed	C3 - Lesson 15 - Hard Water C3 - Lesson 16 - Removing Hardness C3 - Lesson 17 - Water Treatment	Start back 3 Jan
09 January 2017		P2 - Lesson 44 - Assessment C3 - Lesson 1 - Development of Periodic Table C3 - Lesson 2 - Group 1 C3 - Lesson 3 - Group 7	C3 - Lesson 18 - Assessment C3 - Lesson 19 - Calculating Energy from Food C3 - Lesson 20 - Calculating Energy of Reactions in Solutions	
16 January 2017		C3 - Lesson 4 - Transition Metals C3 - Lesson 5 - Assessment C3 - Lesson 6 - Test for Positive Ions C3 - Lesson 7 - Test for Positive Ions	C3 - Lesson 21 - Energy Changes in Reactions C3 - Lesson 22 - Calculations Using Bond Energies C3 - Lesson 23 - Assessment	
23 January 2017		C3 - Lesson 8 - Test for Negative Ions C3 - Lesson 9 - Assessment C3 - Lesson 10 - Titrations C3 - Lesson 11 - Titrations Calculations	B3 - Lesson 1 - Diffusion and Active Transport B3 - Lesson 2 - Active transport B3 - Lesson 2a - Osmosis	

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30 January 2017		C3 - Lesson 12 - Alcohols	B3 - Lesson 3 - Exchange Surfaces	
		C3 - Lesson 13 - Carboxylic Acids and Esters	B3 - Lesson 4 - Assessment	
		C3 - Lesson 14 - Assessment	B3 - Lesson 5 - Circulatory System and Blood Vessels	
		C3 - Lesson 24 - Haber Process		
06 February 2017		C3 - Lesson 25 - Assessment	B3 - Lesson 6 - Assessment	
		P3 - Lesson 1 - Moments and Levers	B3 - Lesson 7 - Exercise and Anaerobic Respiration	
		P3 - Lesson 2 - Centre of Mass	B3 - Lesson 8 - Aerobic Exercise	
		P3 - Lesson 3 - Balanced and Unbalanced Moments		
13 February 2017		P3 - Lesson 4 - Stability	B3 - Lesson 9 - Assessment	Training Day 17 Feb
		P3 - Lesson 5 - Centrepetal Forces and Circular Motion	B3 - Lesson 11 - Kidney Function and Failure	
		P3 - Lesson 6 - Pendulum	B3 - Lesson 12 - Kidney Dialysis	
		P3 - Lesson 7 - Hydraulics		
20 February 2017				
27 February 2017		P3 - Lesson 9 - Assessment	B3 - Lesson 13 - Kidney Transplants	Assessment
		P3 - Lesson 10 - Xrays	B3 - Lesson 14 - Assessment	
		P3 - Lesson 11 - Ultrasound	B3 - Thermoregulation	
		P3 - Lesson 12 - Refraction		
06 March 2017		P3 - Lesson 13 - Lenses	B3 - Control of Blood Sugar	
		P3 - Lesson 14 - Using Lenses	B3 - Control of Blood Sugar - Practical	
		P3 - Lesson 14a - Assessment	B3 - Lesson 16 - Exchange in Plants	
		P3 - Lesson 15 - Eye		
13 March 2017		P3 - Lesson 16 - Endoscope and Total Internal Reflection	B3 - Lesson 17 - Transpiration and Assessment	DC3 due 15 Mar
		P3 - Lesson 17 - Medical Applications	B3 - Lesson 28 - Fuels	
		P3 - Lesson 18 - Assessment	B3 - Lesson 29 - Ethanol Based Fuels	
		P3 - Lesson 19 - Magnetic Fields		
20 March 2017		P3 - Lesson 20 - Electromagnets	B3 - Lesson 30 - Economic and Environment Human Impact	
		P3 - Lesson 21 - Motor Effect	B3 - Lesson 31 - Humans and Environment	
		P3 - Lesson 22 - Electromagnetic Induction	B3 - Food Production	
		P3 - Lesson 23 - EM Induction		
27 March 2017		P3 - Lesson 24 - Transformers		
		P3 - Lesson 25 - National Grid and Transformers		
		P3 - Lesson 27 - Assessment		
03 April 2017				

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Week Commencing	Unit/Title	Teacher One	Teacher Two	Key Dates
10 April 2017				
17 April 2017				
24 April 2017				Training Day 28 April
01 May 2017				May Day
				DC4 Predictions
08 May 2017				
15 May 2017				
22 May 2017				
29 May 2017				
05 June 2017				
12 June 2017				
19 June 2017				

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Week Commencing	Unit/Title	Teacher One	Teacher Two	Key Dates
26 June 2017				
03 July 2017				
10 July 2017				
17 July 2017				
24 July 2017				Break Up 25 July