

Year 9									
Year 9 - Teacher 1					Year 9 - Teacher 2				
Electricity and Magnetism	1	Circuits			Biological systems and Processes	1	Skeletal system		
	2	Current in a series Circuit				2	Muscles		
	3	Current in a Parallel Circuit				3	Respiratory system and gas exchange		
	4	Potential Difference and Cells				4	Breathing and lung volume		
	5	Ohm's Law				5	Effects of exercise		
	6	Resistance in a wire				6	Effects of Smoking		
	7	Insulators and Static Electricity				7	Alcohol and Drugs		
	8	Magnetic Fields				8	DNA		
	9	Electromagnetism				9	Inheritance		
	10	Investigating Electromagnets			Energetics and Rates	Assessment 1 - Assessing Biological Systems and Processes Topic using questions from Educake			
	11	Uses of Electromagnets				1	Measuring Rates		
	12	Assessment 1 - Assessing Electricity and Magnetism Topic using questions from Educake				2	Reaction Rate Data		
Energy	1	Energy Transfers				3	Concentration and Rate		
	2	Kinetic Energy				4	Surface Area and Rate		
	3	Gravitational Potential Energy				5	Catalysts		
	4	Elastic Potential Energy				6	Endo and Exo		
	5	Work Done and Power				7	Combustion		
	6	RP Specific Heat Capacity				8	Thermal Decomposition		
	7	RP Follow Up				End of Key Stage Written Assessment Paper 1 (50 marks)			
	8	Reducing Unwanted Energy Transfers				End of Key Stage Written Assessment Paper 2 (50 marks)			
	9	RP Thermal Insulators				Feedback lesson			
	10	RP Insulation Thickness			Cell Biology	1	Different Types of Cell - 1 of 2 lessons		
	11	Using Energy Resources				2	Types of Cell L2 incl. conv & orders of mag		
	12	Which Resource is Best				3	Microscopes		
Atomic Structure		Written Energy Topic Test				4	RP Plant Cells (mag may need separate lesson)		
		Feedback lesson				5	RP Animal Cells		
	1	Elements and Compounds				6	Specialised Cells		
	2	Mixtures and Separation				7	Diffusion		
	3	Separation by Distillation				8	Internal Surfaces		
	4	Separation by Chromotgraphy				Written Cell Biology Topic Test			
	5	Atomic Structure				Feedback lesson			
	6	Development of Atomic Model			Infection and Response	1	Infectious Diseases - 2 lessons		
	7	Isotopes				2	Disease part 2 inc. non-specific defences		
	8	Electron Configuration				3	Viral Bacterial Diseases		
	9	Periodic Table development				4	Fungal Protist Disease		
	10	Why Elements React				5	Immune Response		
	11	Group 1				6	Vaccines		
	12	Group 7				7	Medication to Treat Disease		
	13	Group 7 Displacement				8	Drug Development - L1 new meds & trials		
	14	Transition Metals				9	Drug Development - L2 Double blind/placebo		
		Written Atomic Structure Topic Test - 40 marks				10	Monoclonal Antibodies		
		Feedback lesson				11	Plant Disease		
Forces	1	Forces and Interactions			Bioenergetics	Written Infection and Response Topic Test -40 marks			
	2	Weight Mass and Gravity				Feedback lesson			
	3	Resultant Forces				1	Photosynthesis & uses of glucose		
	4	Forces and Work				2	Testing a leaf for starch		
	5	Forces and Eleticity Part 1				3	RP Rate of Photosynthesis		
	6	Forces and Elasticity Part 2				4	RP Rate and Limniting Factors		
	7	Speed Distance Time				5	Manipulating Photosynthesis		
		Written Forces Topic Test				6	Respiration and Exercise		
		Feedback lesson				7	Anerobic Respiration		