

**Archbishop Temple Church of England High School's Science Department's - Physics 5 year curriculum.**

		Autumn		Spring		Summer	
		7 weeks	8 weeks	6 weeks	6 weeks	6 weeks	7 weeks
Year 7	Unit	<b>Forces</b>			<b>Sound</b> <b>Light</b> <b>Space</b>		
	Assessment	Selection of Doodle, Educake, Quizlet, Quizizz questions. Practice Exam style questions. Teaching pupils exam and revision techniques.			Selection of Doodle, Educake, Quizlet, Quizizz questions. Practice Exam style questions. Teaching pupils exam and revision techniques.		
	Skills	Forces: Interpret observations, scientific diagrams.			Sound: Interpret observations, apply mathematical concepts. Light: Asking scientific questions, recording data, scientific diagrams. Space: Analysing data, evaluating data.		
Year 8	Unit	<b>Electricity and magnetism</b>			<b>Energy</b> <b>Motion and pressure</b>		
	Assessment	Selection of Doodle, Educake, Quizlet, Quizizz questions. Practice Exam style questions. Teaching pupils exam and revision techniques.			Selection of Doodle, Educake, Quizlet, Quizizz questions. Practice Exam style questions. Teaching pupils exam and revision techniques.		
	Skills	Electricity and magnetism: Scientific diagrams, apply mathematical concepts, recording observations.			Energy: Analysing data, interpret observations, apply mathematical concepts. Motion and pressure: Apply mathematical concepts, interpreting data, scientific models.		
Year 9	Unit	<b>Energy</b> : Energy Stores, transfer and efficiency (inc equations)	<b>Energy</b> : Equations inc Kinetic Energy & Gravitational Potential Energy, Power, Specific Heat Capacity Equation	<b>Energy</b> : Energy resources - Renewable / non-renewable	<b>Electricity</b> : Series and Parallel circuits	<b>Electricity</b> : Equations (Charge, Potential Difference, Power, Resistance)	<b>Electricity</b> - mains electricity
	Assessment	Doodle, Educake, Quizlet, Quizizz. Practice exam questions, throughout the year. Low Stakes test throughout the year		January : Options exam on Energy			June setting exam on Energy & Electricity
	Skills	Recalling, re-arranging and applying Equations	Enquiry skills - RP1: Specific heat capacity	Recall	Constructing, analysing and understanding circuit diagrams	RP3: use circuit diagrams for resistance of electrical circuits.	RP4: use circuit diagrams to construct appropriate circuits to investigate the I-V characteristics
Year 10	Unit	Energy & Electricity (short recap) / <b>Particle Model of Matter</b>	<b>Particle Model of Matter</b>	<b>Atomic Structure</b>	<b>Atomic Structure</b>	<b>Forces - Part 1</b>	<b>Forces - Part 2</b>
	Assessment	Doodle, Educake, Quizlet, Quizizz. Practice exam questions, throughout the year. Low Stakes test throughout the year		Practice Paper 1: <b>Energy</b> , <b>Electricity</b> , <b>Particle Model of Matter</b> & <b>Atomic Structure</b>		May: Year 10 Exams - Full paper 1 exam.	
	Skills		RP5: densities of regular and irregular solid objects and liquids	RP2 (Physics only): Thermal insulators	Paper 1 Exam Technique	RP6: Force vs Extension	RP7: Force vs Acceleration
Year 11	Unit	<b>Waves</b>	<b>Magnetism and Electromagnetism</b>	<b>Space</b>			
	Assessment	Doodle, Educake, Quizlet, Quizizz. Practice exam questions, throughout the year. Low Stakes test throughout the year	Mock exams - Full paper 1 (Energy, Electricity, Particle Model of Matter and Atomic Structure)  Part paper 2 - Content covered so far: Forces.	Review Mock Exams	Practice Paper 2: ( <b>Forces</b> , <b>Waves</b> , <b>Magnetism</b> , <b>Electromagnetism</b> , <b>Space</b> )		
	Skills	RP8: Waves in a ripple tank / string RP9 (Physics only): Reflection & Refraction of Light	<b>RP10: Infrared radiation absorption / radiation</b>				