

Subject: Science (Core & Additional Science, Biology, Chemistry, Physics)

	AUTUMN 1	AUTUMN2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
YEAR 7 <u>Y7 Parents eve-30/3/2016</u>	7 Physical change 6 weeks <i>KP- What happens when ice melts</i> 7 Variety of Life 6 weeks <i>KP- Bigs mums, big babies</i>	Theme 1 & 2 written test w/b Dec 7th	7 Our place in space 5 wks <i>KP- Hubble trouble</i> 7 Chemical changes 6wks <i>KP -Investigating indigestion remedies</i>	Theme 3 & 4 written test w/b Mar 29th 2016	Energy on the move 5wks <i>KP -Bungee testing</i> 7 Ecology 5 weeks <i>KP -Hunters success</i>	End of Year written test w/b Jun 27th 2016
YEAR 8 <u>Y8 Parents eve-4/2/2016</u>	8 Energy for the body 6wk <i>KP -Robo-Hearts</i> 8 Energy and electricity 6 wks <i>KP -How does a torch work?</i>	Theme 1 & 2 written test w/b Dec 7th	8 Sustainable Earth 11 weeks <i>KP -Photosynthesis plan</i> + <i>KP-Nuclear safety</i>	Theme 3 & 4 written test w/b Mar 29th 2016	8 Periodic Table 6wks <i>KP -Soggy salts</i> 8 Forces in Action 6 weeks <i>KP- skateboard surfaces</i>	End of Year written test w/b Jun 27th 2016
YEAR 9 <u>Y9 Parents eve-2/3/2016</u>	Health and Fitness (6) <i>KP Vital signs Standard procedures</i> Imaging our Universe (6) <i>KP- Risk assessment for Inverse Square Law</i>	Theme 1 & 2 written test w/b Dec 14th	Scientific Data (6) <i>KP - key piece - PH: data and evaluation of qualitative versus quantitative</i> Making Chemical Products (6) <i>KP -Plan and RA</i>	Theme 3 & 4 written test w/b Mar 29th 2016	Agriculture and food (6) <i>KP - Food chain- from field to plate</i>	End of Year written test w/b Jun 27th 2016

CORE & ADDITIONAL 2015 -2017 Y11 2016-17 ONLY

	AUTUMN 1	AUTUMN2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Y10 CORE <u>Y10 Parents eve-17/3/2016</u>	C1.1 The fundamental ideas in Chemistry(4Hours) 1hour assess. B1.1 Keeping healthy (11Hrs) <i>HT Keeping healthy TB vac</i>	1 hour assess C1.2 Limestone building materials(4Hrs) P1.1 The transfer of energy by heating processes and the factors that affect the rate at which that energy is transferred (12hours) <i>HT Conduction convection</i>	ISA P1.2 Energy and efficiency 1.3 Electrical appliances (6hrs) Assessment 2 + 1 hours <i>HT Cost of a Hair Dryer</i>	B1.5 Energy and biomass in food chains B1.4 interdependence and adaptation (8hours)+ 1hour <i>HT Predator prey relation</i> C1.4 Crude oils fuels <i>HT Fractional distillation</i> C1.5 Products from oil	C1.6 Plant oil(12hours) <i>HT Vegetable oils</i>	B1.7 Genetic variation and its control (4hours) <i>HT Evidence for evolution</i> B1.8 Evolution (4hours)
Y11 2015-16 ONLY CORE <u>Y11 Parents eve-26/1/2016</u>	P1.4Electricalappliances4hr <i>HT Power Station</i> C1.3 Metals and their uses(6 hours) <i>HT Metals</i> ISA metals	B1.2 Nerves and hormones B1.3 The use and abuse of drugs (9 hours) <i>HT Why do I jump?</i>	Tues 5/1- 13/1 MOCKS 1.5 Waves (4hrs) 1.6 Electromagnetic Waves (10hrs) <i>HT EM spectrum</i>	C1.7 Changes in the Earth and its atmosphere <i>HT Global temperatures</i>		
Y11 2016-17 ONLY CORE <u>Y11 Parents eve-26/1/2016</u>	B1.6 Waste materials from plants and animals (2hrs) <i>HT Limestone Quarry</i> C1.3 Metals and their uses(6) <i>HT Metals</i> P1.4 Methods we use to generate electricity(6hrs) <i>HT Power Station</i>	B1.2 Nerves and hormones B1.3 The use and abuse of drugs (12 hours) <i>HT Why do I jump?</i> PR (1)12/10	Tues 5/1- 13/1 MOCKS P1.5 Waves (14hrs) P1.6 Electromagnetic Waves (14hrs) <i>HT EM spectrum</i> PR (2)18/01	C1.7 Changes in the Earth and its atmosphere (6hours) <i>HT Global temperatures</i> ISA PR (3)18/04		

Y10 ADD Y10 Parents eve-17/3/2016	B2.1 Cells and simple cell transport B2.2 Tissues, organs and organ systems(12 Hours) <i>HT Surface area</i> C2.4 Rates of reaction (4hours)	C2.4 continued <i>HT Catalysts</i> ISA - postponed C2.5 Exothermic and endothermic reactions(6 hours) <i>HT Electrolysis</i> P2.1 Forces and their effects <i>HT Mug and rabbit</i> P2.2 The kinetic energy of objects speeding up or slowing down (8hours)	P2.2 The kinetic energy of objects speeding up or slowing down (4hours) <i>HT Skydiving</i> C2.1 Structure and bonding <i>HT Structure and bonding</i> C2.2 Structure and properties 10 hours	P2.3 Currents in electrical circuits (8hours/) <i>HT Explaining circuits</i>	P2.4 Using mains electricity safely and the power of electrical appliances(4hours) <i>HT Fuses</i> B2.5 Proteins-their functions and uses(4hours) <i>HT Proteins test</i>	B2.3 Photosynthesis B2.4 Organisms and their environment(8hours) <i>HT Photosynthesis</i>
Y11 2015-16 ONLY ADD Y11 Parents eve-26/1/2016	C2.2 Structure and properties (5hours) <i>B2.3 Photosynthesis</i> <i>B2.4 Organisms and their environment</i> B2.5 Proteins-their functions and uses(4hours)	B2.6 Aerobic and anaerobic respiration B2.7 Cell division and inheritance <i>HT Growing from a sperm & eggs</i> B2.8 Speciation(16hr)	Tues 5/1– 13/1 MOCKS PUnit Unit P2.5 radioactivity (4 hrs) <i>HT Types of Radioactivity</i> Unit 2.7 Energy from the Nucleus (4) <i>HT Nuclear Waste</i> C2.6 C2.7 Salts&electrolysis(8) <i>HT Electrolysis</i>	C2.3 How much? (8hours) <i>HT Quantitative Chemistry</i> 2.6 nuclear fusion (3		
Y11 2016-17 ONLY ADD Y11 Parents eve-26/1/2016	B2.3 Photosynthesis B2.4 Organisms and their environment(8hours) <i>HT Photosynthesis</i> C2.3 Atom structure and quantitative How much?(8hours) <i>HT Quantitative Chemistry</i>	B2.6 Aerobic and anaerobic respiration B2.7 Cell division and inheritance <i>HT Growing from a sperm & eggs</i> B2.8 Speciation(16hours) PR (1)12/10	Tues 5/1– 13/1 MOCKS P2.5 Radioactivity (4 hrs) <i>HT Types of Radioactivity</i> P 2.6 Energy from the Nucleus (8 hrs) <i>HT Nuclear Waste</i> PR (2)18/01	P 2.3/2.4 Mains Electricity currents and safety (4 hrs) <i>HT Explaining circuits</i> C2.6 Acid bases and salts C2.7 Electrolysis PR (3)18/04		
TRIPLE						
	AUTUMN 1	AUTUMN2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Y10 TRIPLE BIO Y10 Parents eve-17/3/2016	B1 Keeping Healthy(11hrs)Waste Materials(2hrs) <i>HT Keeping healthy TB vac</i>	B1.5 Energy and biomass in food chains B1.4 Interdependence and adaptation(8hours) <i>HT Predator prey relation</i> B1.7 Genetic variation and its control(4hours)	B1.8 Evolution(4 hours) <i>HT Evidence for evolution</i> B1.2 Nerves and hormones (9 hours)	B1.3 The use and abuse of drugs(3 hours) <i>HT Why do I jump?</i> End of unit B1 Test B2.1 Cells and simple cell transport(6 hours)	B2.2 Tissues, organs and organ systems(6Hours) <i>HT Surface area</i> B2.5 Proteins-their functions and uses (4hours)	B2.6 Aerobic and anaerobic respiration (3 hours) Bio ISA (7hours)
Y11 TRIPLE BIO Y11 Parents eve-26/1/2016	B2.3 Photosynthesis B2.4 Organisms and their environment(8hours) <i>HT Photosynthesis</i> B2.7 Cell division and inheritance (9 hours)	B2.7 Cell division and inheritance(continued) <i>HT Growing from a sperm & eggs</i> B2.8 Speciation(3 hours) B3.1 Movement of molecules in and out of cells (12hours)	Tues 5/1– 13/1 B2 MOCKS B3.1 Movement of molecules in and out of cells(3) B3.2 Transport system in plants and animals(5hrs) <i>HT Comparing exchange & transport</i> B3.3 Homeostasis(6hours) <i>HT Blood sugar</i>	B3.4 Humans and their environment (7hours) <i>HT Predicting fish populations</i> End of unit B3 Test		
Y10 TRIPLE CHEM Y10 Parents eve-17/3/2016	C1.1 The fundamental ideas in Chemistry(4hours) C1.2 Limestone building materials(4hours) <i>HT Limestone Quarry</i> C1.3 Metals and their uses	finish C1.3 <i>HT Metals</i> C1.4 Crude oils fuels (5hours) <i>HT Fractional distillation</i>	C1.5 Products from oil (5hours) C1.6 Plant oil (4hours) <i>HT Vegetable oils</i>	C2.4 Rates and energy (8hours) ISA (7 hours)	C1.7 Our changing planet(4hours) Finish rates (Endo/exo) <i>HT Global temperatures</i> UNIT C1 Test	UNIT 2 C2.1 Structure and bonding (5 Hours) <i>HT Structure and bonding</i> C2.2 structure and properties (6hours) <i>HT Catalysts</i>

<p>Y11 TRIPLE CHEM Y11 Parents eve-26/1/2016</p>	<p>C2.3 How much? (8 hours) <i>HT Quantitative Chemistry</i> C2.6 Acids, bases and salts (6 hours)</p>	<p>C2.5 Salts&electrolysis(8) <i>HT Electrolysis</i> UNIT 3C3.1 ISA C3.2 Water(5hours) <i>HT Hard Water</i></p>	<p>Tues 5th – Wed 13th MOCKS C2 The Periodic Table (6) <i>HT Periodic Table</i> C3.3 Energy calculations (6 <i>HT Energy</i> C3.4 Analysis and synthesis(10) <i>HT Analysis</i></p>	<p>Finish C3.4 and.. C3.5 organic chemistry (6hours) <i>HT Organic</i> UNIT 3 Test</p>		
<p>Y10 TRIPLE PHY 2015-16 Y10 Parents eve-17/3/2016</p>	<p>1.1. Energy transfer by heating(11hrs) <i>KP- conduction, convection, radiation</i> 1.2 Using Energy (5 hrs) 1.3 Electrical energy (6hrs) <i>KP- Cost of Hair drier</i></p>	<p>1.4 Generating Electricity (8hrs) <i>KP- Power Station</i></p>	<p>1.5 Waves (4hrs) 1.6 Electromagnetic Waves Red shift big bang(10hrs) <i>KP- EM Spectrum</i></p>	<p>Unit 2 AQA Unit 2.1 Forces (6 hrs) KP- Mug & Rabbit Unit 2.2 Motion (4 hrs)</p>	<p>Unit 2.2 Motion(2) KP- Skydiving 2.3 Work Energy and momentum(4hrs) ISA ON FRICTION (4)</p>	<p>ISA ON FRICTION (2) Unit 2.4 Current Electricity (10hrs Unit 2.5 Mains Electricity (2 hrs)</p>
<p>Y11 TRIPLE PHY 2015-16 Y11 Parents eve-26/1/2016</p>	<p>Unit 2.1 Forces (6) KP- Mug & Rabbit Unit 2.2 Motion (6) <i>KP- Skydiving</i> Unit 2.3 Work Energy and momentum(4hrs)</p>	<p>P Unit 2.6 Radioactivity (5 rs) KP- types of radioactivity 2.7Energy frm the Nucleus4 <i>KP- Nuclear waste</i> 3.1 Medical Applications <i>KP- Medical uses</i></p>	<p>Tues 5/1– 13/1 MOCKS P 2. Making things work. <i>KP -Stability of a bus</i> Pendulum ISA 5-6 hours 3. Magnetic fields <i>KP -Electrical motor</i></p>	<p>P 3. Magnetic fields Revision</p>		