Subject :		Science	I	Year Group:	10					
	Physics	Biology - Triple	Biology - Trillogy	Chemistry	Chemistry	Chemistry	Chemistry	Physics	Physics	Physics
Scheme title	Forces - Part 2	Nomeostasis and Response	Infection and Response	Chemical Analysis	Rate of chemical charge	Using resources	Bending, structure and properties of matter	Energy	Bectridty	Marnetian
Fu port or screme	and how to visualise motion using graphs	Internal environment	fight infections with the help of modern medicine	chemistry can be used to identify unknown substances	quickly a reaction happens using the idea of collision	them form the environments we live in. We learn how to manage	behind those properties.	a more mathematical approach to energy transfers and	KS3 and look at a wider variety of components that we can	how they work and what we can use them for
				and separate mixtures	theory - building on ideas about particles and chemcical	the land, sea and air to harvest what we need, but also consider		greater depth to ideas about energy resources	use and how they work	
					reactions from previous years	the environmental impact we have				
Knowledge in	Define distance and displacement and state which is a vector and which is a scalar	 Explain what homeostasis is and why it is important. Rescript examples of coorditions that need to be controlled. 	Define the term pathogen and state the four main errours of nathogen	 Define a pure substance single element or compound not mixed with any other substance. 	Beline the term 'rate of reaction' Enclate rates of seartion from the use of graphs	 Other state about the Earth's resources Evaluate the effect of using the Earth's patient resources and 	 Explain chemical bonding in terms of electrostatic forces and the transfer or sharing of electrons. Reserved at and cross discovers for inoir compounds formed by metals in Groups 1 and 2 with population. 	 Define the term 'system' Where the 8 types of energy store and identify the energy 	SOW being updated	BOLD = Higher Ser only RED = Triple Physics only Whe roles of a memory where the field is strongest Like roles renal Linkie
	Express displacements in terms of magnitude and direction.	Bescribe the roles of the nervous system and the endocrine system in homeostasis.	Explain how pathogens can be spread to plants or	Bise melting point data to determine whether a	 Bescribe what we mean by collision theory 	suggest methods to reduce the impact	metals in Groups 6 and 7	stores in a number of systems		poles attract. This is a non-contact force.
	Define speed and velocity and recognise which is a scalar and which is a vector.	 Describe the main components of a control system and their functions 	animals and cause infection. Describe the main differences between bacteria and	substance is pure or not. •Define a formulation as a mixture that has been	 Describe the term 'collision theory' Explain how temperature affects the rate of reaction 	 State examples of natural products and identify finite and renewable resources. 	 Stork out the charge on the ions of metals and non-metals from the group number of the element limited to the metals in Groups 1 and 2, and non-metals in Groups 6 and 7. 	t, *Bplain what is meant by the principle of conservation of energy		•R magnetic field is a region where a force acts on a magnetic material – its strength depends on the distance from the magnet. The direction of a field is
	Calculate speed using the equation speed = distance/time, taking	• Bo explain how the structure of the nervous system helps it to function	viruses.	designed as a useful product.	Biplain why temperature affects the rate of reaction		Parslate data between diagrammatic and numeric forms.	 State the four ways by which energy may be transferred 		always from the north pole towards the south pole of the magnet.
	measurements of distance and time to calculate the speed of various objects.	Recall the order of the components of the nervous system	Explain how the spread of disease can be reduced or prevented.	 Recall that formulations are made by mixing the components in carefully measured quantities to ensure 	 Becall the term 'collision theory' Biplain how concentration affects the rate of reaction 	 Analyse water samples from different areas Solain the differences between potable water and Pure water 	 Be familiar with the structure of sodium chloride but do not need to know the structures of other ionic compounds. 	 Describe how forces cause energy transfers Recall that work done = force x distance and use the 		 Permanent magnets produce their own field. Biduced magnets become a magnet when placed into a magnetic field. They are
	Recall typical values of speed for a person walking, running and	Bescribe the reflex arc and its function.	Describe the symptoms, mode of transmission,	that the product has the desired properties.	-Explain why concentration affects the rate of reaction	•Define potable water and pure water.	 Beduce that a compound is ionic from a diagram of its structure in one of the specified forms 	equation		always attractive and lose magnetism quickly when removed.
	cycling as well as the typical values of speed for different types of transportation systems.	Explain the order of events in a reflex arc.	prevention and treatment for measles, HIV and AIDS, salmonella and exporthoea.	 Recall that cleaning agents, fuels, medicines, alloys, fertilisers and foods are examples of formulations. 	State the effect of changing the size of the particles on the rate of reaction	 Evaluate the advantages and disadvantages of adding chloring 	 Bescribe the limitations of using dot and cross, ball and stick, two and three dimensional diagram to represent a stant ionic structure 	 Recall the equation used to calculate kinetic energy along with units 		 Bon, steel, nickel and cobalt are magnetic materials – they are always attracted to a magnet.
	A typical value for the speed of sound is 330 m/s, though this varies	Consider the factors that may influence reaction time in Humans	Describe colds and flu as viral diseases.	Bise the following equation to calculate Rf values: Rf =	 Describe how the rate of reaction can be measured 	and fluorine to water	Work out the empirical formula of an ionic compound from a given model or diagram that shows	Calculate the amount of kinetic energy stored in an object		• Compass contains a small bar magnet that points in the direction of the
	as does the speed of the wind. Explain why motion in a circle always has a changing velocity.	 Investigate how practice can influence reaction time. Rooly this investigation to its usefulness in real life. 	Describe athlete's foot as a fungal disease. Describe the life cycle of the malarial protist.	distance moved by the substance / distance moved by solvent.	 Explain why chips of different sizes react at different speeds: referring to collision theory and using scientific 	Deplain the processes used to treat water Recall where drinking water is obtained from	the ions in the structure. •Wisualize and represent 2D and 3D forms including two dimensional representations of 3D	and calculate the elastic potential energy in an object using a elven equation		Earth's magnetic field •Budents need to know how to plot a magnet's field using a compass, draw the
	Draw and interpret distance-time graphs.	Elentify the parts of the brain	Describe the symptoms, mode of transmission,	Explain how paper chromatography separates	terminology	-Required Practical II	objects.	Biplain changes in kinetic energy and elastic potential		field pattern for a bar magnet and explain how a compass provides evidence that
	Calculate speeds from distance-time graphs including those for which the speed is constant and those where the speed is constantly	Bescribe the function of the parts of the brain Bolain methods used to study the brain	prevention and treatment for malaria. Describe the body's first line defences	 Buseest how chromatographic methods can be used 	 Describe what a catalyst and pressure are Explain how a catalyst and pressure affect the rate of 	Bentify the term 'purification' Gurnest why purification is necessary	 Becognise substances as small molecules, polymers or giant structures from diagrams showing their bonding 	 energy Recall the equation used to calculate eravitational potential 		the Earth's core is magnetic.
	changing.	 Onderstand why it is difficult to investigate and treat the brain 	Explain how microbes make us feel II and how viruses	for distinguishing pure substances from impure	reaction	 Analyse and purify water samples from different sources (pH, 	 Recognise common substances that consist of small molecules from their chemical formula. 	energy along with units		When a current flows through a wire a magnetic field is produced which
	Acceleration can be calculated using the equation a = 0x/t. Estimate the magnitude of everyday accelerations.	Edentify parts of eye	damage cells. Explain how the immune system defends against diseas	-Biterpret chromatograms and determine Rf values	 Bplain why catalysts are important in industry Befine the term 'reversible reaction' 	dissolved solids and distillation) •Explain why microbes are needed in the treatment of sewage	 Braw dot and cross diagrams for the molecules of hydrogen, chlorine, oxygen, nitrogen, hydroge chloride, water, ammonia and methane 	 Calculate the amount of gravitational potential energy stored in an object 		depends on current and distance from the wire. •@haping the wire into a solenoid increases the strength of the field. The shape of
	Draw and interpret velocity-time graphs.	Explain function of the different parts of the eye	Describe what white blood cells do.	from chromatograms.	•Dentify different reversible reactions	Describe the stages in the process of treating sewage	 Represent the covalent bonds in small molecules, in the repeating units of polymers and in part of 	 Explain what happens as an object moves down a ramp in 		the field is similar to a bar magnet's field. Adding an iron core creates an
	travelled by an object.	 Explain now the eye focuses on objects both hear and far (accommodation) Bible to interpret ray diagrams, showing these two 	Expain why antibodies are specific for one pathogen/ antigen	 Mecan that the test for hydrogen uses a durning spint held at the open end of a test tube of the gas. Hydrogen 	 Describe what we mean by a reaction reaching a "state of equilibrium" 	 Describe and evaluate the process of bloeaching 	guart covarient structures, using a line to represent a single bond •Bescribe the limitations of using dot and cross, ball and stick, two and three dimensional diagram	s •Recall the definition of specific heat capacity		 Budents need to be able to describe how to demonstrate the effect of a current
	Use the equation v2 – u2 = 2as.	common defects of the eye and demonstrate how spectacle lenses	Describe what a vaccine contains.	burns rapidly with a squeaky pop sound.	Beline the term chemical equilibrium	 Describe and explain the process of phytomining 	to represent molecules or giant structures	 Recall the equation for calculating the energy stored or 		and draw the field pattern for a straight wire and a solenoid.
	Explain terminal velocity in terms of the forces acting on an object.	 Describe how the thermoregulatory centre of the brain monitors and controls body 	Explain how vaccines prevent disease. Explain the idea of 'herd immunity' resistance. See	 Mecal that the test for daygen uses a growing spint inserted into a test tube of the gas. The splint relights in 	 Describe Le Chasteller's principle Explain the affects of changing conditions on reversible 	-	 Beduce the molecular formula of a substance from a given model or diagram in these forms showing the atoms and bonds in the molecule. 	 Apply this equation to calculate the temperature of a red hol 		emplois any – students need to interpret diagrams or electromagnetic devices to explain how they work
	Draw and interpret v-t graphs for objects that reach terminal	temperature	4634	asygen.	reactions	Create a life cycle assessment on a product	•Wisualise and represent 2D and 3D forms including two dimensional representations of 3D	piece of metal		
	Velocity. State Newton's first law.	 Explain now body systems work to near up or cost down the body as required to maintain a stable body temperature 	without Explain how antibiotics treat only bacterial	 Recall that the test for carbon diduide uses an aqueous solution of calcium hydroxide. When carbon dioxide is 		 Describe what a life cycle assessment is 	objects. •Recognise substances as giant metallic structures from diagrams showing their bonding	 Denie power and recail the equations used to calculate it Becall the units of power 		•ane motor effect takes place when a current carrying wire is placed into a magnetic field and a force is exerted. Students should use Fleming's left hand
	Use Newton's first law to explain the motion of objects moving with		diseases and how this has saved lives.	shaken with or bubbled through limewater the		 Dplain how scientific developments for example, biodegradable 	Plisualise and represent 2D and 3D forms including two dimensional representations of 3D	 Rearrange and apply the equation for power to look at 		rule for the motor effect and recall factors that affect its strength.
	charges.	 Describe the endocrine system and beine the term normane. Cabel a diagram of the organs in the endocrine system. 	demaging body tissues.	 Recall that the test for chlorine uses litmus paper. 		Compare the reasons why people may think that recycling is	Objects. • predict the states of substances at different temperatures given appropriate data	 Describe the meaning of 'dissipated' with regards to energy 		 B = 0 x 1 x 1 (Force = magnetic tiux density x current x length) A coil of wire with a current flowing will tend to rotate in a magnetic field.
	Define inertia and inertial mass.	Explain why the pituitary gland is often called the master gland.	Give examples of painkillers and other medicines used to	When damp litmus paper is put into chlorine gas the		good or bad.	Beplain the different temperatures at which changes of state occur in terms of energy transfers	 Describe ways of reducing unwanted energy transfer 		This is the basis of a motor. Students must explain how the force on a
	Recall and use the equation F = ma.		Interpret data about painkillers and other medicines.	to the paper is weather and units white.		 Describe an experiment to show both air and water are 	 Becognise that atoms themselves do not have the bulk properties of materials 	does this		Other and the second seco
	Estimate the speed, accelerations and forces involved in large accelerations for everyday road transport	Bescribe how blood glucose concentration is monitored and controlled. Explain when insulin is produced and how it have to control blood always a function	Describe Fleming's discovery and explain its importance State which drugs come from views and	CHEM ONLY •Recall the colours produced by lithium, wells—		 Received of the second s	Apligher Tier only) explain the limitations of the particle theory in relation to changes of state whe particles are represented by solid spheres which have no forces between them	 Repropriately use a range of apparatus to record a range of measurements accurately, inclusion levels areas areas from 	1	variations in current into pressure variations in sound waves. Students need to explain how they work.
	Investigate the effect of varying the force on the acceleration of an	Explain how insuln and glucagon work together to control blood glucose levels.	microorganisms.	potassium, calcium and copper compounds.		 Evaluate the use of different, mentioned alloys. 	 We use and represent 2D and 3D forms including two dimensional representations of 3D 	volume and temperature	1	 Microphones convert pressure variations in sound waves into electrical current.
	object of constant mass, and the effect of varying the mass of an object on the acceleration rendered for a second secon	•Explain the cause, effects, treatment and problems associated with Type 1 diabetes and Type 2 diabates	Explain why drugs need to be tested before they can be mean-thed	Recall the colour of the precipitates formed when sodium hydroxide is added to constant to be		 Other pretains and evaluate the composition of other alloys that are not mentioned. 	objects.	 Repropriate use apparatus to measure energy chapters (transfer) 	1	variations. Students must explain how microphones work.
	State and apply Newton's third law.	 Biterpret glucose tolerance test results. 	Describe the main steps in the development and testing	iron(II) ions.		Enk the structure of thermosoftening and thermosetting	 Spread of the structures of specific ionic compounds other than sodium chioride is not 	 Recall the two equations for calculating efficiency 	1	•Physics only - If a conductor moves relative to a magnetic field a potential
	Stopping distance = thinking distance + braking distance. Onto and available factors that can affect thinking distance.	Devaluate modern methods of treating diabetes. Planning where water into and upon an inst from the body	of a new drug. Gen reasons for the different states in drast terms	Brite balanced equations for the reactions that moders insoluble burkwolder		polymers to their properties and predict their uses.	required. Allow the inter that intermedencial forces are used, conversed with coupler's boots to contain the	 Calculate efficiency as both a decimal and a percentage Describe the wave of increasing the efficiency of a control 	1	difference is induced. If this is in a circuit a current will flow. This is called the supervisor effect
	distance.	 Describe the effect of too much or too little water on cells. 	Explain the terms placebo and double-blind trial.	 Orderstand that carbonates react with dilute acids to 		 Describe some properties of glass, clay ceramics, composites 	bulk properties of molecular substances.	(HT only)	1	The induced current generates a magnetic field that opposes the original
	Explain why brakes heat up when the brake pedal is pressed.	Explain how the body responds to different temperature and osmotic challenges in terms of second value values of second values.		form carbon dioxide gas.		and polymers.	Becognise polymers from diagrams showing their bonding. Becognise polymers and the large statements of distortion of the large statements in the	State what fuels are mainly used for in the UK		change.
	varies over a range of speeds typical for that vehicle.			precipitates with silver nitrate solution in the presence			structure of a pure metal.	 Adentify the advantages and disadvantages of building a 		induced current/p.d. and apply the generator effect in a given context.
	Interpret graphs relating to stopping distances. State twoiral values for reaction times and state factors that effect	 Describe secondary sexual characteristics of boys and girls. Evolution the cause of these changes in how and sids and their relevance in 		of dilute nitric acid. effortentand that subhate into in ankition produce a		 Describe the Haber process Evaluate the reservations and increase where the reservational come. 	Explain how metals conduct heat and electricity. Explain how metals conduct heat and electricity.	nuclear power plant		•The generator effect is used in alternators for AC and dynamos for DC. This needs to be explained and erants of n.d. experiented over time need to be dream.
	these.	reproduction.		white precipitate with barium chloride solution in the		from.	Beplain the properties of diamond in terms of its structure and bonding.	 Eassify arguments as political, social, economic or ethical 		or interpreted.
	Explain methods used to measure human reaction times and recall bynical results	 Describe the menstrual cycle and fertility including the role of hormones; FSH, UI and reachingen 		presence of dilute hydrochloric acid.		 Evaluate and compare the different combinations of reaction modifions to optimize yield. 	•Wisualise and represent 2D and 3D forms including two dimensional representations of 3D objects	Make simple energy calculations in different scenarios Meanrance and solve energy calculations		Biosics only - A basic transformer consists of a primary coll supportion coll and
	Recall and use the equation momentum = mass a velocity.			Compare instrumental methods with chemical tests.			Beplain the properties of graphite in terms of its structure and bonding.	Bink energy calculations to solve complex energy questions		an iron core. The ratio of turns on primary to turns on secondary determines the
	State the conservation of momentum and use it to complete calculations involving colliding objects	Reactive barmonal and non-bormonal methods of contracention		 Deterpret a flame emission spectroscopy result given data when accompanied by a reference set in the same 		dissertion substitutions are	 Encore that graphite is similar to metals in that it has delocalised electrons. Becomise graphene and following from disgrams and descriptions of their booding and 			ration of potential difference on primary to secondary.
	Use the equation F = change in momentum/time.	Explain how hormonal and non-hormonal contraceptives work.		form.		 Oplain why plants need nutrients as a soluble salts. 	structure.			•If transformers were 100% efficient then electrical input power would equal
	Explain how safety features such as air bags, seat belts, crash mats, cycle helmets and cushioned surfaces for playerounds work.	•Evaluate their use.				 Evaluate making fertilisers on a laboratory and industrial scale and associated problem. 	 Eve examples of the uses of fullerenes, including carbon nanotubes. Evaluative and represent 2D and 3D forms including two-dimensional representations of 3D 			electrical output power •Bit x is = Vp x ip
		Bescribe the use of fertility drugs in women with low FSH levels.				,	objects.			Biplain how AC in one coll induces a current in the other in a transformer.
		 Evaluate the use of fertility treatments. 				 State the names of the salts produced when phosphate rock is treated with nitric acid, sulphuric acid and phosphoric acid. 	OVEM ONLY •Epropere 'nano' dimensions to typical dimensions of atoms and molecules			•Be able to calculate the current drawn from the input supply to provide a particular power output.
		Bescribe where adrenalize and thyroxine are produced and their effects on the body.				Onvestigate what was used as fertiliser before the industrial	Consider some of the applications of these nanoparticulate materials.			Roply the equations to explain the advantages of power transmission at high
		Describe how plant shoots and roots respond to light and gravits.				preparation of fertilisers was invented.	Budents do not need to know specific examples or properties other than those specified. Byven appropriate information, evaluate the use of nanoparticles for a specified purpose			potential differences.
		Explain how plant hormones (ausins) causes these changes in roots and shoots					Deplain that there are possible risks associated with the use of nanoparticles.			
24211	Harranging equations	 Evaluating information and drawing conclusions 	black light to show transfer of pathogen.	metals with acids-hydrogen test 2) reactions of metals	waths sinc- using and rearranging formula, standard units for measurement-volumes and size	accurately.	Instants line- now to use standard units for volumes and convert between, simple addition to work out electronic configuration and to count numbers of electrons in shells of atoms and ions,	•Mecal or information •Mearranging formulae	suw being updated	 anvestigation skills – bar magnets / electromagnets i.e. variables, controls, safety, etc.
	the difference between scalars and vectors and examples of each	Bse of mnemonics to learn sequence of Reflex action (SRSRMER)	Carry out research and explain application of science	carbonates with acids-carbon dioxide test.	Disease Beb	Literacy link-writing and structure of a method for practical	Providence and advantation devices and secondary of beneficial to an	•Organising calculations		
	represents		Carry out research and explain application of science	Separation techniques. Atomic Structure:	consequence.	method.	beversprint of science brawing ing, to active a burning oper	-watering internation and drawing conception		
	determining areas under graphs and recognising what the area represents		and personal, social, economic and environmental implications related to malaria	chromatography introduced.		To be able to structure the 6 mark extended response question, and to incorrorate scientific leaveneds correctly into assessme	Standard planning and safety for practical experiments, naming and selecting appropriate scientific analyzement	E.		
	•Ekils to help remember equations and the units of terms in the		Observe prepared blood smears using a microscope or			Tables- to be able to present a risk assessment for the practical	and a second			
	equation show to draw graph wis plot data and draw lines of best fit		bio-viewer. Draw the cells.			activities, such as the hazard, risk and precaution.	Use of command word terminology to understand and answer exam questions eg: describe, available state calculate compare define			
			specificity.							
	Literacy link- silicities and structure of a method for practical lessons and remained		Growing yogurt bacteria Investigate the effect of antisentics of antibiotics on							
	practical assessment, how to structure 6 mark extended response		bacterial growth using agar plates and measuring zones							
	question, how to incorporate scientific keywords correctly into answers		of inhibition							
	Practical skills- •Bow to present a risk assessment for practical activities eg: hazard,									
	risk, precaution		1	1		1		1	1	
	NUM OF ST AN A FEBRUARY LADOR		1	1		1		1	1	
Key Words	Forcevase objects move or change shape, measures in Newtons. Speedilow something covers a set distance, speed is a scalar	Accommodation - To focus on near and far objects Vasodilation - Blood vessels dilate	communicable Disease - A disease that can be passed on to others	stationary phase - The medium (material) that does not move.	weversable reaction - A reversible reaction is one in which the reactants form products. The products are	renewableWe can replace them as we use them	seering point - Temperature at which a solid turns to liquid. Boiling point - Temperature at which a liquid turns to eas.	conservation of energy - Energy can never be created or destroyed just transferred from one store to another	current - The rate of flow of electrical charge. Potential difference (voltage) - A measure of how much	seagnetic neld - A region where a magnetic material experiences a force Solenoid - wire colled around an iron core
	quantity.	Vasoconstriction - Blood vessels constrict	Non Communicable Disease - A disease that cannot be	Mobile phase - The liquid that is used to move the	then able to react together to reform the reactants. The	Sustainable - generation without compromising the ability of the	Cation - Positively charged particle	Power - The rate of transfer of energy OR the amount of work	energy is transferred between two points in a circuit.	Magnetic Flux Density - How strong a magnetic field is
	velocitySpeed in a given direction, a vector quantity. Acceleration How quickly something speeds up	Myopia - Short sightedness rays focus before the retina Hypercola - Lone sightedness rays focus behind the retina	passed on to others. Pathoren - Microorganisms that cause infectious	sample through the stationary phase. Solvent front - The level reached by the top of the	symbol for a reversible reaction is v*. Catalyst - substance that speeds up a chemical reaction	meets the needs of the current future generations to meet their needs.	Allotropes - Different structural forms of an element. Delocalised - Electrons that are no loneer bound to a single atom, and are free to move	done in a given time. Specific heat capacity (SHC)The amount of energy required	Resistance - A measure of how difficult it is for current to flow through a component.	Motor effect - The electromagnetic force on a wire Induced-Produced/made a magnetic field or current
	distanceA scalar quantity that measures how much ground an	Refracts - Bends light rays	diease.	moving solvent.	without getting used up. A catalyst lowers the activation	Potable water - Water that is naturally safe for humans to drink		to raise the temperature of 1kg of a material by 1°C.	Thermistor - A component whose resistance decreases as	
	object covers when moved. DisplacementMeasures how far out of place an object is from A to B	ADH - released by the pituitary gland JAnti diuretic hormone causes the reabsorption of water back into the bloodstream via the kidney tubules.	Bacteria - Reproduce rapidly in body and may produce polyons (toxins).	Chromatogram - The final result with the substances separated on it.	energy. Biological catalysts are called enzymes. Dynamic equilibrium - A point where the forward and	Life cycle assessment/LCA)-LCA is the environmental impact of a product.		Conduction - How thermal (heat) energy is transferred in solids by particles collidine.	temperature increases. LDR - A component whose resistance decreases as light	
	Resultant forceThe overall single force. This is zero if objects are	Phototropism - Growth and response to light	Virus - Live and reproduce in cells, causing cell damage.		reverse reactions are occurring at the same rate.			Convection - How thermal energy is transferred in liquids or	intensity increases.	
	Terminal velocity/Maximum speed objects reach when failine. When	Auxin - Plant hormones found in shoots and roots						gases. Heres on density of particles and convection currents. Insulation - Methods to reduce heat loss from an object.		
	weight = resistive forces							Efficiency - When energy is transferred, some is wasted. The		
	distance + braking distance (in m).							sess energy is wasted, the more efficient an object is.		
	Momentum Ortfle		1	1		1		1	1	
	in the version qualitity that is a property or moving objects.		1	1		1		1	1	
		1				1		1	1	
End Point Assessment metho	Common marking points throughout the unit (CMPs)- feedback	INDERV FADER 2 CMP's in lessons 9,14,15	approxy Paper 1 CMP in lesson 4 and 8 and end of unit assessment	Common marking points throughout the unit (CMPs)-	Common marking points throughout the unit (CMPs)-	common marking points throughout the unit (CMPs)- feedback	Common marking points throughout the unit (CMPs)- feedback provided by teacher at the	CMPs in lessors 5, 7 and 11	structor Paper 1 SOW being updated	PTIVIES PADER 2 •CMP after lesson 3
	provided by teacher at the following points: Learner 4: value by CMD-1	2 Ka hovelia assassments (1 to be used as hove laurnine)	Kerboddle Two kerboddle assessments could be done for home	feedback provided by teacher at the following points: Leaven 5: Testing for more and CMR-1	feedback provided by teacher at the following points:	provided by teacher at the following points:	following points: Leaven 5: Metallic honoling and CM2-1	2 Kerboodia assessments (1 to be used as bown fronted)	1	allind of unit text (Kerboardia)
	Lesson 8: uniform acceleration CMP-2		learning	Lesson 9: Instrumental methods and CMP-2 (CHEM	Lesson 3. Rates of reaction - CMP1	Earth's resources assessment.	Lesson 10: Metallic structures and CMP-2	and assessments (+ vo be used as nome learning)	1	west (via revealed)
	End of unit forces test (20 mins) to be sizes after larger M = 17	1	1	ONLY)	Jamon 5. Bates of reaction, pressure and extension	End of unit Earth resources test (30 minutes) to be given after lesson 15 which is the last lesson of the unit	Lesson 12: Graphene and fullerenes AND CMP-3	1	1	Geportunity for 6-mark questions: arenatic fields
	(end of unit)		1	End of unit test (30mins) to be given after lesson-14	CMP2	Contraction of the second of the second	End of unit structure and bonding test (30mins) to be given after lesson-14 (end of unit)	1	1	- Explaining how electromagnetic devices work
	1		1	(end of unit)	Lances B. Reversable reactions - CM23	1		1	1	Explaining how loadspeakers and headphones work Evolutions how transformers work
	1		1	1		1		1	1	
		1	1	1	End of unit assessment- 30 minutes Lesson II: CMP - Factors affecting the rate of reaction	1		1	1	
		1	1	1	Lesson 9: End of unit assessment.	1		1	1	
	1		1	1		1		1	1	
		1	1	1	1	1	1	1	1	