





	TERM 1- BIOLOGY	TERM 2- PHYSICS	TERM 3- CHEMISTRY	TERM 4- BIOLOGY	TERM 5-PHYSICS	TERM 6
·	Living things and their habitats Illustrating Life Cycles	Light Theatre Lighting Technicians	Properties and Changes of Materials Material Consultants	Animals, including humans The Human Species	Electricity Electric Art	Revision block Medical Maneuvers
YEAR 5/6 A	Flowering plant reproduction. Ways that plants reproduce asexually. Life Cycles: Insect, amphibian, mammalian and Bird. Life Cycles around the World. Becoming Natural Scientists	Shadow puppets: angles, shape, definition. Shadow puppets: Colour and texture. Lighting effects: reflecting light. Lighting effects: illusions with mirrors. Theatrical Interviews.	Recycling Challenge. Hot porridge and frozen yogurt. Packaging problems. Café challenge. Toy shop challenge (electrical conductivity) Snoring challenge (soundproofing)	Development: from foetus to child. Growth: adolescence and puberty. Growth: adults, old age and timelines. A healthy body. Blood and the heart. Transport systems.	Electrical art challenge. Playing with electricity circuits. Designs, ideas and drawing circuit diagrams. Taking a dimmer approach. Electrical workshop action. Electrical art installation.	Mosquitos and medicine. Medical materials. Welcome to the world! The well- oiled human machine. Illumination station Medical circuits
	Living things and their habitats The Classification Code	Forces Welcome to Force Land	Properties and Changes of Materials Special Effects	Evolution and Inheritance Survival of the Fittest	Earth and Space Space	Revision Block Sensational Science
YEAR 5/6 B	Meeting Linnaeus Spot the odd one out Classification System Back Yard Classification Unusual Creatures New creature features	Bungee-jump: gravity and balanced forces Roling car ride: friction Parachute ride: air resistance Canyon ride: water resistance Elephant ride: levers and pulleys Ferris wheel: gears	Materials Mud, glorious mud. Sweet soluble solutions. Creating explosive special effects. Ageing props (oxidation and burning) Prosthetic wounds and fake blood The future of special effects.	Play inheritance detectives. Mutations, adaptations and survival. Extreme survival and adaptations. Research evolutionary pioneers. Fossils and evolutionary trees, Tale of the giraffes neck.	Heliocentricity vs geocentricty. Modelling the solar system. Night and day and shadow alley. A moon month. Seasonal sensations. Entering the inquisition.	Mind- blowing mixtures. Sensational space behaviour. Fickle forces. Crazy creature classifications. Extraordinary evolution antics. Scientific disputes.





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	TERM 2- CHEMISTRY	TERM 3- BIOLOGY	TERM 4- PHYSICS	TERM 5-	TERM 6- BIOLOGY
TERM 1- PHYSICS	TERMIZ OFFERMOTIVE		TERMIN TITTO COO		TETAM O BIOLOGI
Energy Colculation of fuel uses	Atoms, elements and compounds	Structure and function of living organisms	Electricity and Electromagnetism	The Periodic Table Introduction to the periodic table	Structure and function of living organisms
calculation of fuel uses and costs in the domestic context Energy changes and transfers Changes in systems	The particulate nature of matter Atoms, elements and compounds Pure and impure substances	Cells and Organisation The Skeletal and Muscular Systems Gas exchange systems	Current electricity Static electricity Magnetism	Elements and symbols Atomic structure Periodicity and trends Grouping of elements Chemical bonding and compounds Reactivity and reactions Uses of elements	The Skeletal and Muscular Systems Nutrition and Digestion Gas exchange systems
Waves Observed waves Sound waves Energy and waves Light waves	Earth and Atmosphere Composition of the earth Formation of the earth The atmosphere Air pollution The greenhouse effect The water cycle Natural resources and sustainability	Material Cycles and Energy Photosynthesis Cellular respiration Interactions and Interdependencies Relationships in ecosystem	Motions and Forces Describing motion Forces Pressure in fluids Balanced forces Forces and motion	Chemical Reactions Introduction to chemical reactions Types of chemical reactions Symbols Balancing chemical equations Factors effecting rate of reactions Acid, bases and pH Reactivity series Redox	Structure and function of living organisms Reproduction Nutrition and Digestion Health and Lifestyles
Cad Eti C	Energy Calculation of fuel uses and costs in the domestic context Energy changes and ransfers Changes in systems Waves Observed waves Energy and waves Energy and waves	Atoms, elements and compounds Calculation of fuel uses and costs in the domestic context Energy changes and ransfers Changes in systems The particulate nature of matter Atoms, elements and compounds Pure and impure substances Earth and Atmosphere Composition of the earth The atmosphere Air pollution The greenhouse effect The water cycle Natural resources and	Atoms, elements and compounds The particulate nature of matter Atoms, elements and compounds The particulate nature of matter Atoms, elements and compounds The particulate nature of matter Atoms, elements and compounds Pure and impure substances The skeletal and Muscular Systems The Skeletal and Muscular Systems Gas exchange systems The particulate nature of matter Atoms, elements and compounds Pure and impure substances The particulate nature of matter Atoms, elements and Corganisation The Skeletal and Muscular Systems Gas exchange systems The particulate nature of matter Atoms, elements and compounds The Skeletal and Muscular Systems Gas exchange systems The particulate nature of matter Atoms, elements and compounds The Skeletal and Muscular Systems Gas exchange systems The particulate nature of matter Atoms, elements and compounds The Skeletal and Muscular Systems Gas exchange systems The pricional function of the earth o	Atoms, elements and compounds The particulate nature of matter Atoms, elements and compounds The particulate nature of matter Atoms, elements and compounds The particulate nature of matter Atoms, elements and compounds Pure and impure substances The skeletal and Muscular Systems Atoms, elements and compounds Pure and impure substances The skeletal and Muscular Systems Gas exchange systems The particulate nature of matter Atoms, elements and Corganisation The Skeletal and Muscular Systems Gas exchange systems The particulate nature of matter Atoms, elements and Corganisation The Skeletal and Muscular Systems Gas exchange systems The particulate nature of matter Atoms, elements and Corganisation The Skeletal and Muscular Systems Gas exchange systems The particulate nature of matter Atoms, elements and Corganisation The Skeletal and Muscular Systems Gas exchange systems The particulate nature of living organisms Current electricity Magnetism The greenhouse effect organisation The greenhouse effec	Atoms, elements and compounds The particulate nature of matter Atoms, elements and compounds The particulate nature of matter Atoms, elements and compounds The particulate nature of matter Atoms, elements and compounds The particulate nature of matter Atoms, elements and compounds Pure and impure substances The atmosphere Describing and waves ight waves The particulate nature of matter Atoms, elements and compounds Pure and impure substances The particulate nature of matter Atoms, elements and compounds Pure and impure substances The skeletal and Muscular Systems Gas exchange systems The particulate nature of matter Atoms, elements and corpounds Pure and impure substances The skeletal and Muscular Systems Gas exchange systems The particulate nature of matter Atoms, elements and corpounds Atoms, elements and function of living organisms Cells and Organisation The Skeletal and Muscular Systems Gas exchange systems The particulate nature of matter Atoms, elements and compounds Atomic structure Periodicity and trends Grouping of elements Chemical Proces Reactivity and reactions Describing motion Forces Pressure in fluids Balanced forces Forces and motion Types of chemical reactions Types of chemical reactions Types of chemical reactions Types of chemical reactions Symbols Balancing chemical equations Factors effecting rate of reactions Acid, bases and pH Reactivity series





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	TERM 1- CHEMISTRY	TERM 2- BIOLOGY	TERM 3- PHYSICS	TERM 4- CHEMISTRY	TERM 5-BIOLOGY	TERM 6- PHYSICS
	Materials	Genetics and	Space	GCSE	GCSE	GCSE
YEAR 9	Properties of materials	Evolution Inheritance, chromosomes, DNA and genes.	The solar system Celestial bodies Gravity and orbits The universe and cosmology Telescopes and observations	Atomic structure and Periodic table Structure of atoms Reaction of elements The periodic table Mixtures	Eukaryotic and Prokaryotic cells Cell specialism Microscopy Chromosomes Mitosis Stem cells	Energy Energy stores and transfers Work Power Conservation of energy National and global energy resources Renewable and non renewable fuels Energy dissipation and efficiency
						dissipation and efficie







	TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
E	BIOLOGY	BIOLOGY	BIOLOGY	BIOLOGY	BIOLOGY	BIOLOGY
YEAR 10 F YEAR 10 G S S S S S S S S S S S S	Transport in cells Diffusion and osmosis Active transport Animal issues, organs and organ systems Levels of organisation Digestive system Enzymes Heart and blood CHD and health issues PHYSICS Electricity Charge and current flow Series and parallel circuits Resistance CHEMISTRY Bonding structure and the properties of matter lonic substances Giant covalent substances Metallic substances Bonding and structure Carbon	Plant tissues, organ and organ systems Plant tissue Plant organs Plant organ systems PHYSICS Electricity Electrical components and domestical electricity Ohmic and non ohmic I-V characteristics Power of electrical appliances Household electricity and the national grid CHEMISTRY Quantitative chemistry Relative mass and mores Conservation of mass Reacting masses Concentration of solutions	Infection and response Communicable diseases Pathogens Human defense system Vaccination Drug development PHYSICS Particle and Atomic structure Atoms and isotopes Radioactive decay Nuclear model and equations Particle model and motion in gases Density of materials CHEMISTRY Chemical changes Reactions of metals Extraction of metals Extraction of acids Making salts Electrolysis	Photosynthesis Aerobic and anaerobic respiration PHYSICS Thermal energy transfers Conduction Convection Radiation Internal energy and changes of state Specific latent heat Specific heat capacity CHEMISTRY Energy changes Exothermic and endothermic reactions	Homeostasis and the human nervous system Hormonal conditions in humans Homeostasis Nervous system PHYSICS Forces Contact and non contact forces Scalars and vectors Vector diagrams Speed and velocity Terminal velocity Terminal velocity Newtons laws of motion CHEMISTRY Formula equations Writing formulae Classifying substances Common reactions Balancing equations lonic equations equations Half equations	Reproduction and Variation Human endocrine Blood glucose Reproduction Contraception Sexual and asexual reproduction Meosis DNA Inherited disorders Variation Selective breeding PHYSICS Forces Observing motion Acceleration Distance time graph Velocity time graphs Stopping distance CHEMISTRY The rate and extent of chemical change Rate of reaction Reversible reactions







	TER	M 1	TER	RM 2	TER	RM 3	TER	RM 4	TERI	M 5	TER	RM 6
YEAR 10 CONDORS	TER BIOLOGY Transport in cells Diffusion and osmosis Active transport Animal tissues, organs and organ systems Levels of organisation Digestive system Enzymes Heart and blood CHD and health issues	PHYSICS Electricity Charge and current flow Series and parallel circuits Resistance	CHEMISTRY Bonding structure and the properties of matter lonic substances Giant covalent substances Metallic substances Bonding and structure Carbon	BIOLOGY Plant tissues, organ and organ systems Plant tissue Plant organs Plant organ systems Photosynth esis Aerobic and anaerobic respiration	PHYSICS Electricity Electrical components and domestical electricity Ohmic and non ohmic I-V characteristi cs Power of electrical appliances Household electricity and the national grid	CHEMISTRY Quantitative chemistry Relative mass and mores Conservation of mass Reacting masses Concentration of solutions Energy changes Exothermic and endothermic reactions	BIOLOGY Infection and response Communi cable diseases Pathogen s Human defense system Vaccinatio n Drug developm ent	PHYSICS Particle and Atomic structure Atoms and isotopes Radioactive decay Nuclear model and equations Particle model and motion in gases Density of materials	CHEMISTRY Chemical changes Reactions of metals Extraction of metals Reactions of acids Making salts Electrolysis The rate and extent of chemical change Rate of reaction Reversible reactions	BIOLOGY Homeostasis and the human nervous system Hormonal conditions in humans Homeostasis s Nervous system Reproduction and Variation Human endocrine Blood glucose Reproduction Contraception Sexual and asexual reproduction Meosis DNA Inherited disorders Variation Selective breeding	Forces Contact and non contact forces Scalars and vectors Vector diagrams Speed and velocity Terminal velocity Newtons laws of motion Observing motion Acceleration Distance time graph Velocity time graphs Stopping distance Thermal energy transfers Conduction Convection Radiation Internal energy and changes of state Specific	CHEMISTRY Formula equations Writing formulae Classifying substances Common reactions Balancing equations lonic equations Half equations



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	TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
	BIOLOGY	BIOLOGY	BIOLOGY	BIOLOGY	Revision/ exams	Revision/ exams
	Genetics and evolution Evolution +extinction Classification of living organism. Classification Problems with classification PHYSICS Waves Properties of waves	Adaptation, interdependence and competition Communities Interdependence Biotic and abiotic factors Ecosystems Adaptations PHYSICS	Genetics and evolution Evolution +extinction Classification of living organism. Classification Problems with classification PHYSICS	Organisation of an ecosystem Levels of organisation Producers, consumers and decomposers Materials cycling Biodiversity Waste management Land use Deforestation Global warming Maintaining biodiversity		
YEAR 11	·	Magnetism electromagnetism Magnetic fields and flux density Electromagnets Motor effect Right hand grip rule Solenoids Flemings left hand rule CHEMISTRY	Electromagnetic spectrum Visible light-reflection, refraction, transmission , absorption) Parts of electromagnetic spectrum Uses and dangers of the spectrum	PHYSICS		
		Chemical analysis Identification of common gases The atmosphere Composition and evolution of the Earth's atmosphere Greenhouse gases	CHEMISTRY The Earth's resources Using the Earth's resources The use of water Alternative methods of extracting metals			



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