SKILLS FOR WORK AND FURTHER EDUCATION
Science Curriculum Map 2024-2025

Key Stage	Year		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Lower School	KS2	sfw	**Ourselves & Our School - Animals Inc, Plants, Living Things...** Living, dead, never alive, life processes, plant growth requirements, animal body parts, parts of plants and their functions, edible plant parts.. *Exploring, observing, asking questions and understanding that they can be answered in different ways, performing tests to find answers, identifying and classifying, measuring and units, gathering and recording data to help in answering questions.* Potential Trigger Points - *Subject (Living, dead or never alive)*	**Toys - Electricity** Series circuits, energy transfers, electrical components, conductors and insulators, parallel circuits. *Exploring, observing, asking questions and understanding that they can be answered in different ways, performing tests to find answers, identifying and classifying, measuring and units, gathering and recording data to help in answering questions.* Potential Trigger Points - *Sensory (sounds, light)*	**Transport - Forces and Magnets** Magnetic forces and their effects, magnetic materials, grvity and its effects, forces acting on moving surfaces. *Exploring, observing, asking questions and understanding that they can be answered in different ways, performing tests to find answers, identifying and classifying, measuring and units, gathering and recording data to help in answering questions.* Potential Trigger Points - Subject (Death, decay, endangered animals)	**Dinosaurs - Rocks and Evolution** Different rock types, fossil formation, what fossils have shown us, evolution, extinction. *Exploring, observing, asking questions and understanding that they can be answered in different ways, performing tests to find answers, identifying and classifying, measuring and units, gathering and recording data to help in answering questions.* Potential Trigger Points - Subject (Death, decay, endangered animals)	**Earth and Space** The Earth, our solar system and the planets within it, the Moon, day and night. *Exploring, observing, asking questions and understanding that they can be answered in different ways, performing tests to find answers, identifying and classifying, measuring and units, gathering and recording data to help in answering questions.* Potential Trigger Points - Sensory (light & dark)	**Amazing Animals - Animals inc Humans** The 5 senses, sense organs, animal skeletons, identying animals, comparing animals. *Exploring, observing, asking questions and understanding that they can be answered in different ways, performing tests to find answers, identifying and classifying, measuring and units, gathering and recording data to help in answering questions.* Potential Trigger Points - *Sensory (sounds, smells, tastes, textures, light)*
	Yr7	SfW	**Ourselves & Famous People - Animals Including Humans** Organs, organ functions, organ systems, circulatory system, healthy diet, exercise, male and female reproductive system, puberty. *Asking questions and using different ways to answer them, classifying foods in different ways, setting up and carrying out a fair test, measuring time, counting heart beats, recording data, using results to form simple conclusions.* Potential Trigger Points - Subject (Male and female reproductive systems, puberty), Visual - Images/Videos (organs and their dissection)	**Heroes & Villains - Light & Sound** How we see, reflection, refraction, visible spectrum, sound waves, hearing, volume and pitch. *Asking questions and using different ways to answer them, making observations and using equipment to take measurements, gathering and recording data, drawing simple conclusions, using straightforward scientific evidence to support findings.* Potential Trigger Points - Sensory (sounds, light)	**Frozen World - Materials** Properties, insulators, conductors, states of matters, changes of state, dissolving, separating mixtures. *Asking questions and using different ways to answer them, making observations and using equipment to take measurements and carry out comparative tests, gathering and recording data, drawing and communicating simple conclusions, identifying similarities, differences and changes, using straightforward scientific evidence to support findings.* Potential Trigger Points - Sensory (hot & cold)	**Tales from Other Cultures - Earth & Space** Our Earth, the solar system, night and day, the seasons, the moon. *Using straightforward scientific evidence to answer questions, using models to communicate ideas, identifying patterns and using them to make predictions.* Potential Trigger Points - Sensory (light & dark)	**Rainforests - Living Things & Their Habitats** Living, dead or never alive, grouping living things, vertebrate groups, identifying organisms & sampling populations (birds & trees), food chains, protecting the environment. *Asking questions and using different ways to answer them, making observations, identifying similarities and differences and using them to classify, gathering data, recording finding, reporting on findings and communicating findings.* Potential Trigger Points - Subject (Living, dead or never alive)	**Castles - Rocks** Rock types, grouping rocks, fossil formation, evidence from fossils, soil formation. *Identifying similarities and differences, setting up comparative tests, gathering and recording data, drawing and communicating simple conclusions, using straightforward scientific evidence to answer questions.* Potential Trigger Points - *Subject (Death and decay)*
Middle School	Yr8	SfW	**ELB1 Dead or Alive** Life processes, body systems, digestive system, circulatory system, respiratory system, animal cell structure, transport across membranes, stem cells. *Using a microscope, microscope drawings, measuring and comparing mass, formulation of own ideas and clear communication during ethical debate.* Potential Trigger Points - Subject (stem cells -ethical debate), Visual - Images/Videos (organs and their	**ELC2 Acids & Alkalis** Identifying acids and alkalis, different indicators, the pH scale, neutralisation and it's uses. *Safe handling and use of acids and alkalis, measuring pH using different indicators, identifying the function of apparatus, following a plan, identifying and controlling variables, measuring volumes, measuring time, observing, recording results, analysing results, drawing conclusions.*	**ELB9 Creepy Crawlies** Habitats, animal adaptations, energy transfer, food chains, food webs, keys, sampling techniques, biodiversity. *Using sampling techniques, using non-biased techniques, counting species, measuring distance, calculating area, calculating a mean, calculating a population estimate.* Potential Trigger Points - Subject (Human effect on biodiversity)	**ELC1 Physical or Chemical Change** States of matter, the particle theory, changes of state, chemical changes. *Measuring mass, safe use of a Bunsen burner, measuring temperature, measuring time, collecting & recording data, displaying results (line graph), analysing results, drawing conclusions, safe use of solids liquids and gases, observing changes.* Potential Trigger Points - Practical (Bunsen burner use)	**ELP12 Final Frontiers** Our solar system, galaxies, the universe, studying the nights sky. *Analysing data, identifying patterns, drawing conclusions, researching information from reliable sources, using scientific evidence to support ideas and arguments.*	**ELB2 Babies** Male and female reproductive systems, fertilisation, pregnancy, birth, sex hormones, contraception. *Microscopy, problem solving, formulation of own ideas and clear communication during discussion on contraception.* Potential Trigger Points - Subject (Male and female reproductive systems, puberty, fertilisation, pregnancy, birth & contraception)	**ELC5 Sorting Out** Elements, mixtures, compounds, filtering, evaporation, chromatography, distillation. *Investigating the structure of elements, molecules, compounds and mixtures using molymods, using models, using a range of scientific apparatus to carry out separation techniques (filtration, evaporation, chromatography), safe use of a Bunsen burner.* Potential Trigger Points - *Practical* (Bunsen burner use)
	Yr9	SfW3	**ELC2 Acids & Alkalis** Identifying acids and alkalis, different indicators, the pH scale, neutralisation and it's uses. *Safe handling and use of acids and alkalis, measuring pH using different indicators, identifying the function of apparatus, following a plan, identifying and controlling variables, measuring volumes, measuring time, observing, recording results, analysing results, drawing conclusions.*	**ELB4 Fooling Your Senses** Sense organs and their receptors, sight and the structure of the eye, the 5 taste receptors, our sense of smell, touch receptors and their distribution, the nervous pathway, reflex actions. *Measuring reaction times, investigating the distribution of receptors, measuring distance, using conversion tables, recording results (tally chart), displaying results (bar chart) analysing results, drawing conclusions.* Potential Trigger Points - Sensory (sounds, smells, tastes, textures, light)	**ELB9 Pushes & Pulls** Types of forces, effects of forces acting on an object, balanced and unbalanced forces, Hooke's Law. Identifying different forces, measuring force, measuring mass, calculating weight, identifying and controlling variables, measuring diameter, measuring time, measuring length, measuring distance, calculating extension, calculating work done, recording results, displaying results (line graph), analysing results, drawing conclusions.	**ELC1 Physical or Chemical Change** States of matter, the particle theory, changes of state, chemical changes. *Measuring mass, safe use of a Bunsen burner, measuring temperature, measuring time, collecting & recording data, displaying results (line graph), analysing results, drawing conclusions, safe use of solids liquids and gases, observing changes.* Potential Trigger Points - Practical (Bunsen burner use).	**ELB10 Extinction** Definition of a species, adaptation, competition, evolution, fossils as evidence of evolution, extinction and its causes. *Identifying variations and similarities, ordering processes, researching information from reliable sources, clearing communication.* Potential Trigger Points - Subject (extinction and its causes)	**ELP4 Hot Stuff** Heat energy, changes of state, convection, conduction, radiation, insulators, reducing heat transfer. *Safe use of a Bunsen burner, identifying and controlling variables, identifying the function of apparatus, measuring volume, measuring temperature, calculating temperature difference, calculating energy transfer, recording results, analysing results, interpreting line graphs, drawing conclusions.* Potential Trigger Points - Practical (Bunsen burner use, tea bag rockets)	**ELB5 Gasping for Breath** The structure of the respiratory system, the effects of smoking tobacco, respirations, the effect of exercise on respiration. *Interpreting a scientific model, measuring peak expiratory flow, recording data, analysing data, drawing conclusions, testing for chemicals (water and carbon dioxide), measuring breathing rate, recording results (bar chart), analysing results, drawing conclusions.* Potential Trigger Points - Subject (Smoking and its effects, analysis of data on cancer and other diseases), Visual (images of smokers lungs) , Demo (duck dissection and inflation)	**ELC4 Clean Air & Water** The composition of our atmosphere, carbon dioxide and global warming, acid rain, reducing air pollution. *Identifying chemicals (carbon dioxide and acid and neutral solutions), recording data, analysing results, drawing conclusions, safe use of a Bunsen burner (complete and incomplete combustion).* Potential Trigger Points - *Subject* (Human impact on the environment - global warming & acid rain)
		SfW 1 & 2	**ELC4 Clean Air & Water** The composition of our atmosphere, carbon dioxide and global warming, acid rain, reducing air pollution. *Identifying chemicals (carbon dioxide and acid and neutral solutions), recording data, analysing results, drawing conclusions, safe use of a Bunsen burner (complete and incomplete combustion).* Potential Trigger Points - Subject (Human impact on the environment - global warming & acid rain)						**ELC12 CSI Plus** Collecting evidence & preserving a crime scene, fingerprint characteristics, lifting fingerprints, blood components, blood groups, chromatography, DNA fingerprints. *Collecting evidence, separation techniques (chromatography), microscopy, collecting data/evidence, analysing evidence.*
Upper School	Y10	SfW	**ELB7 You Only Have One Life...** Nutrient groups, components of a balanced diet, different diets for different people, unbalanced diets, heart disease and its risk factors, different types of drugs, caffeine as a stimulant, alcohol as a depressant, the dangers of alcohol. *Identification of chemicals (starch), investigating the effect of caffeine on heart rate, identifying and*	**ELC3 Everything in its Place** Atomic structure, the Periodic Table, electron configuration, groups 1, 7 and 0, metals and non-metals, isotopes. *Identifying patterns, reading tables (columns and rows), drawing diagrams.*	**ELP5 Alternative Energy** Renewable or non-renewable, generating electricity from fossil fuels, renewable energy sources, wind energy, types of waves, wave speed frequency and amplitude, wave energy, solar cells, solar panels. *Exploring the movement of waves, calculating wave speed, building a simple series circuit, safe use of a Bunsen burner, measuring voltage, measuring distance, recording results, analysing*	**ELB6 Casualty** The circulatory system structure and function, heart structure and functions, the structure and function of blood vessels, blood components and their functions, aerobic and anaerobic respiration. *Identifying heart structures via a heart dissection, microscopy (blood cells), investigating the effect of exercise on heart rate, measuring heart rate, measuring time, recording results, displaying results (bar chart), analysing results, drawing*	**ELC5 Novel Materials** The atomic structure of carbon, why carbon forms bonds, the properties and uses of different forms of carbon (graphite & diamond), composite materials and their uses, different alloys and their properties and uses. *Investigating the structure of elements, molecules, compounds and mixtures using molymods as a model, comparing properties, explaining properties, evaluating the*	**ELP7 Our Electricity Supply** Direct and alternating current, generating electricity, transformers, wiring, current, electrical circuits. *Making a cell, wiring a plug, constructing series circuits, constructing parallel circuits, measuring voltage, measuring current, identifying and controlling variables, calculating resistance, recording results, ordering results, presenting results (line graph), analysing results, drawing conclusions,*	**ELB8 Body Wars** Communicable and non-communicable diseases, types of pathogens, physical and chemical barriers, the immune system, antibiotics, vaccines. *Identifying risks; formulation of own ideas and clear communication during ethical debate.* Potential Trigger Points - Subject (communicable and non-communicable diseases), Visual (images/videos of organs, blood, disease symptoms and vaccination)	**ELC10 Are You Overreacting?** Measuring reaction rate, reversible reactions, the reactivity series, predicting reactivity, group 1, group 7, group 0/8. *Safe handling of chemicals, identifying and controlling variables, selecting equipment, measuring volume, measuring mass, measuring time, recording results, processing results, displaying results, analysing results, drawing conclusions, evaluating a method, formulation of own ideas and clear communication during ethical debate.* Potential Trigger Points - *Practical* (Bunsen burner use)
	Yr11	SfW2		**ELC3 Everything in its Place** Atomic structure, the Periodic Table, electron configuration, groups 1, 7 and 0, metals and non-metals, isotopes. *Identifying patterns, reading tables (columns and rows), drawing diagrams.*	**ELP10 Driving Along** Calculating speed, speed limits, energy in moving vehicles, stopping distances, car safety features. *Measuring distance, measuring time, calculating speed, identifying and controlling variables, following a plan, calculating reaction time, calculating a mean, identifying risks.* Potential Trigger Points - Subject (car safety features, speed limits) Visual (images, videos of car crashes to highlight safety						
		SfW1	**ELB8 Body Wars** Communicable and non-communicable diseases, types of pathogens, physical and chemical barriers, the immune system, antibiotics, vaccines. *Identifying risks ; formulation of own ideas and clear communication during ethical debate.* Potential Trigger Points - Subject (communicable and non-communicable diseases), Visual (images/videos of organs, blood, disease symptoms and vaccination)	**ELC10 Are You Overreacting?** Measuring reaction rate, reversible reactions, the reactivity series, predicting reactivity, group 1, group 7, group 0/8. *Safe handling of chemicals, identifying variables, selecting equipment, measuring volume, measuring mass, measuring time, recording results, processing results, displaying results, analysing results, drawing conclusions, predicting reactivity.* Potential Trigger Points - Practical (Bunsen burner use)	**ELP11 Fly me to the Moon** The Earth and the moon, our solar system, artificial satellites, rocket science and Newtons laws. *Identifying variables, measuring and units, recording data, analysing data, identifying patterns, drawing conclusions.*	**EL B3 Control Systems** Thermoregulation, water content control, kidney structure, control of blood sugar levels, diabetes. *Measuring temperature, recording data, processing data, analysing data, drawing conclusions, kidney dissection.* Potential Trigger Points - Subject (diabetes), Visual (images of organs and their dissection), Practical (Kidney dissection)	**ELC11 How Fast? How Slow?** Measuring the rate of reaction, the effect of temperature, the effect of surface area, the effect of concentration, the effect of using a catalyst. *Safe handling and use of chemicals, safe use of a Bunsen burner, identifying and controlling variables, measuring volume, measuring mass, measuring time, recording results, presenting results, analysing results, drawing conclusions.* Potential Trigger Points - Practical (Bunsen burner use)	**ELB12 Food Factory** Photosynthesis, factors affecting photosynthesis, selective breeding, genetic engineering, cloning. *Identifying variables, controlling variables, selecting equipment, measuring volume, measuring distance, measuring time, recording results, processing results, presenting results, analysing results, drawing conclusions, evaluating a method, formulation of own ideas and clear communication during ethical debate.*	**ELP1 Getting the Message** Types of wave, coding, communicating with light and sound, digital and analogue signals, wireless communication. *Identifying variables, measuring length, constructing series circuits, coding and decoding messages.*	**ELP2 Full Spectrum** The visible spectrum, uses of lasers infrared radiation & its uses, microwave radiation & its uses, radio waves and their uses. *Investigating white light, measuring temperature using infrared thermometers.*	**ELP3 Medical Rays** UV radiation & its uses & risks, X-ray uses & risks, gamma radiation uses and risks. *Risk assessing, evaluating use.* Potential Trigger Points - Subject (UV, X-ray and gamma radiation uses and risks)	**EL C12 CSI Plus** Collecting evidence & preserving a crime scene, fingerprint characteristics, lifting fingerprints, blood components, blood groups, chromatography, DNA fingerprints. *Collecting evidence, separation techniques (chromatography), microscopy, collecting data/evidence, analysing evidence.*
		SfE		**ELC7 Let's get Together** Ionic bonding, dot and cross diagrams, chemical formulae, balanced chemical equations, electrolysis. *Using models to show atomic arrangement, representing bonding using dot and cross diagrams, using symbols to write and balance chemical equations.*	**ELP11 Fly me to the Moon** The Earth and the moon, our solar system, artificial satellites, rocket science and Newtons laws. *Identifying variables, measuring and units, recording data, analysing data, identifying patterns, drawing conclusions.*						
	Options	IGCSE Yr12	**B1 Cells & Cell Processes** Characteristics of living things, animal & plant cell structure, movement into and out of cells (limited to diffusion and osmosis, enzymes and the effects of pH and temperature on enzyme action. *Microscopy, calculating magnification, microscope drawings, Indepthfinish variables, controlling variables, measuring volume/mass/time, dilutions.*	**B2 Animal Nutrition** Structure of nutrients (starch, proteins and fats), testing for biological molecules, components of a balanced diet (roles of nutrients and their sources), structure of the digestive system, digestion, enzymes. Safe use of chemicals, identification of nutrient groups. *analysing of food composition.*	**C1 Experimental Techniques** Measuring (time, temperature, mass and volume), criteria of purity, methods of purification. *Measuring time, temperature mass and volume (inc use of burette), selecting a range of equipment to carry out separation techniques (filtration, evaporation/crystallisation & chromatography), safe use of a Bunsen burner.*	**C2 Particles, Atomic Structure, ionic Bonding & the Periodic Table** States of matter & the Particle Theory, changing states, atomic structures, subatomic particles - mass and charge, electron configuration, elements/mixtures/compounds, metals/non-metals, ionic bonding, the Periodic table. Safe use of of Bunsen burner, *measuring volume & temperature, recording & processing data, constructing a series circuit, measuring voltage, measuring current.*	**C3 Air & Water** Water and water treatment, air composition, properties & uses of noble gases, carbon dioxide and it's formation, greenhouse gases, other air pollutants and their effects, rusting. Safe use of chemicals *(test for water, test for carbon dioxide), safe use of a Bunsen burner, identifying variables, controlling variables, recording results, analysing results, drawing conclusions.* Potential Trigger Points - Subject (Humans impact on the environment)	**C4 Acids, Bases & Salts** Characteristic properties of acids and bases, uses of bases in controlling soil acidity, preparation of salts, use equations (word and balanced symbol equations), identification of ions and gases. *Safe handling and use of solids, liquids and gases, measuring volume, using different indicators,investigating neutralisation, recording results, analysing results, drawing conclusions, measuring volume, preparation of salts such as copper(II) sulfate, (filtration method) and sodium salts (filtration method), identification of different ions and gases using appropriate test.*	**P1 Light** Reflection and the characteristics of and image, refraction, the effects of a thin converging lens. *Investigating the characteristics of an image, investigating the Law of Reflection and the process of refraction by measuring angles, recording results and drawing conclusions, investigating converging lenses.*	**P5 Electricity 2** Electric charge, static electricity, conductors and insulators, series and parallel circuit diagrams, the benefits of parallel circuits, the dangers of electricity. *Constructing circuits, drawing circuits, measuring voltage, measuring current, recording results, displaying results, calculating resistance, analysing results, drawing conclusion, assessing risks.*	**B3 Plant Nutrition & Transport** Photosynthesis definition, photosynthesis word equation, factors affecting photosynthesis, leaf structure and function, mineral requirements, structure and function of xylem and phloem, transpiration stream pathway. *Identifying variables, controlling variables, selecting equipment, measuring volume, measuring distance, measuring time, recording results, processing results, presenting results, analysing results, drawing conclusions, evaluating a method,*	**B4 Respiration & Transport in Mammals** Uses of energy, aerobic respiration, structure and function of the respiratory system, composition of inhaled & exhaled air, effect of exercise on breathing rate, structure and function of the circulatory system (heart, blood vessel, blood), effect of exercise on heart rate. *Identification of heart structures via dissection, safe use of a scalpel/scissors, microscopy techniques, r identifying variables, controlling variables, selecting equipment, measuring time, recording results, processing results, presenting results, analysing results, drawing conclusions, evaluating a method,*	**C5 Reaction Rates** Measuring the rate of reaction, the effect of temperature, the effect of surface area, the effect of concentration, the effect of using a catalyst. *Safe handling and use of chemicals, safe use of a Bunsen burner, identifying variables, measuring volume, measuring mass, measuring time, recording results, presenting results, analysing results, drawing conclusions.*	**C6 Metals & the Reactivity Series** Properties of metals, the use of alloys, the reactivity series, placement of metals from experimental results, use of carbon in copper extraction, finite resources, transition elements and their properties. *Safe handling of solids, liquids and gases, measuring volume & time, qualitative data collection, predicting reactivity, deducing the order of metals from given results,*	**P4 Mechanics 1** Measuring length, volume & time, calculating speed, constructing and analysing distance -time & speed-time graphs, mass & weight, density. *Measuring length volume & time using and average value for a small distance and for a short interval of time by measuring multiples (including the period of a pendulum), use of analog and digital displays, calculating speed, recording results, presenting results, analysing graphs to describe the motion of an object, investigating and*	**P2 Electricity 1** Current, potential difference and electromotive force, what are they and how are they measured? Calculating resistance. *Constructing series circuits, constructing parallel circuits, measuring voltage, measuring current, recording results, displaying results, analysing results, drawing conclusions.*	**P6 Thermal Physics** Arrangement, separation and motion of particles in solids, liquids & gases, thermal expansion applications and consequences, melting and boiling points, evaporation. *Safe use of a BUnsen burner, measuring temperature, data collection, presentation and analysis.*	**End of year revision and past paper test.**
		IGCSE Yr2 (draft)	**Mechanics 1** *Measuring length and time, motion, weight and mass, density.*	**Electricity 2** Electric charge, circuit diagrams, series and parallel circuits, the dangers of electricity. *Observing electrostatic charge, constructing series & parallel circuits, measuring current and voltage, investigating resistance.*	**Thermal Physics** The particle theory, the properties of solids liquids and gases related to their particle arrangement, the thermal properties of solids liquids and gases, changes of state. *Safe use of Bunsen burners, measuring mass, measuring volume, measuring time, measuring temperature, recording results, processing results, analysing results, drawing conclusions.*	**Reproduction in Plants** Comparing asexual and asexual reproduction, sexual reproduction in plants, structure and function of the female reproductive organs, structure and function of the female reproductive organs, fertilisation, seed dispersal. *Dissection of flowers, comparing structures, relating structure to function.*	**Human Reproduction** Structure and function of the male reproductive organs, structure and function of the female reproductive organs, fertilisation, implantation, the menstrual cycle, controlling the spread of STDs, HIV transmission and development of AIDS. *Microscopy.* Potential Trigger Points - Subject (Male & female reproductive systems, fertilisation, menstrual cycle, STD's)	**Organisms and the Environment** The Sun as a source of energy, energy transfer through an ecosystem (food chains & food webs), nutrient cycles, effects of deforestation. *Using sampling techniques, measuring distance, calculating area, calculating a mean, calculating a population estimate.* Potential Trigger Points - Subject (Humans impact on the environment)	**Covalent Bonding** Characteristics of covalent bonding, single covalent bonds and electron configuration, comparing ionic and covalent compounds properties. *Measuring mass, measuring volume, constructing series circuits.*	**Organic** Properties of alkanes and their combustion, properties of alkenes, production of alkenes, polymerisation, identification of alkanes and alkenes. *Use of molymods to model hydrocarbon structures, measuring time, measuring volume, measuring temperature, recording results, processing results, analysing results, forming conclusions.*	**Amount of Substance** Molecular and full structural formulae	**Mechanics 2** The effect of forces, balanced and unbalanced forces, forces opposing motion (friction & air resistance), the relationship between work done & energy transferred & power, the relationship between pressure & force & area. *Measuring mass, calculating weight, measuring time, measuring length, calculating area, measuring distance, calculating extension, calculating work done, recording results, displaying results (line graph),*	**Waves** Properties of waves, describing waves, reflection & refraction, the EM spectrum, sound waves, amplitude & frequency, echos. *Measuring angles, calculating wavelength.* Potential Trigger Points - Sensory (sounds, light)	**Redox, electrochemistry and Group VII** Redox reactions, electrolysis and it's terminology, extracting metals, the properties of group VII	**Revision and past paper practise.**	**Examinations**

SKILLS FOR LIFE
Science Curriculum Map 2024-2025

Key Stage	Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Lower School	KS2	The Human Body	Frozen World	Transport	Knights & Dragons	Explorers	Wonders of the World
	Yr7	The Human Body	Frozen World	Transport	Knights & Dragons	Explorers	Wonders of the World
Middle School	Yr8	The Human Body	Frozen World	Transport	Knights & Dragons	Explorers	Wonders of the World
	Yr9	The Human Body	Frozen World	Transport	Knights & Dragons	Explorers	Wonders of the World
Upper School	Y10	The Human Body	Frozen World	Transport	Knights & Dragons	Explorers	Wonders of the World
	Yr11	The Human Body	Frozen World	Transport	Knights & Dragons	Explorers	Wonders of the World
6TH Form	Yr12	The Human Body	Frozen World	Transport	Knights & Dragons	Explorers	Wonders of the World
	Yr13	The Human Body	Frozen World	Transport	Knights & Dragons	Explorers	Wonders of the World