	CURRICULUM MAP 2021/22								
KS3 - Year 7									
ART (Please note: these projects will be rotated between classes so may not be taught in this order)	Natural Forms project. Drawing and design skills Texture, mark making, pe watercolour & ink wash a Developing natural forms making techniques & bui previously (texture etc) Responding to a theme. Researching & combing i	ancil drawing, pen & ink, and looking at key artists. s into various print Iding on skills learnt magery.	Painting project. Colour theory and colour is secondary Tertiary. Painting skills, various pair mark-making. Looking at impressionist p styles, learning how to cop Drawing from observation link with the impressionist Reinforce shape / proport textures. Create own painting, deve techniques of one or more	Cultural textiles project. Learning about art and textiles in different countries, drawing for research and exploring ideas. Look at key artists. Exploring different techniques such as tie dye, weaving and hand sewing skills. Develop ideas using resist and sewing skills and linking back to pattern and symbolism.					
COMPUTING	Impact of technology: Collaborating online respectfully Identify how to use online collaboration tools respectfully. Be able to use the computing lab appropriately. Understand the risks when using technology and how to protect against them.	Networks: from semaphores to the internet Recognise networking hardware and explain how networking components are used for communication. Understand how networks can be used to retrieve and share information	Using media: gaining support for a cause Able to create digital products for a real- world cause. Use software tools appropriately to support work. Select and create a range of media.	Programming essentials in Scratch part 1 Apply the programming constructs of sequence, selection and iteration in Scratch. Create programs independently to allow computers to solve problems.	Programming essentials in Scratch part 2 Use subroutines to decompose a problem that incorporate lists in Scratch. Create programs independently to allow computers to solve problems. Be able to comprehend, design, create and evaluate algorithms.	Modelling data spreadsheets Be able to sort and filter data using formulas and functions in spreadsheet software. Understand how data is used to represent real-world scenarios.			
PERFORMING ARTS	An Introduction to Performing Arts: Silent Movies Performing Arts Audience Awareness Mime	Dance Through Time – and exploration of traditional African dance through the ages. Style / Genre	Staging a Musical - School of Rock Musical Staging / Blocking Audition Director	Theatre Through Time - a journey through the key moments in theatre's history	Rehearsing and Interpreting Scripts: Hansel and Gretel Stage Directions Dialogue Narration Vocal Skills	Responding to a stimuli: Dance Motif Development Action Space Dynamics			

	Gesture Facial Expression Characterisation An introduction to the reason why students study Performing Arts and what it means to be a performer	Isolation Motif Choreography Musicality Projection Students will roots and dev of dance and journey throu	y see the relopment its cultural igh time	Interpretation Rehearsal Students will learn how a musical goes from page to stage and become performers in our own musical theatre project	Ancient Greek Theatre Commedia dell'Arte Elizabethan Theatre Epic Theatre Naturalism Physical Theatre Students will understand how theatre styles have changed through time and how each style influenced the next	Intention Prop Students will understa different elements tha a script and learn to in both characters and st direction	nd the t make up terpret age	Relationships Stimulus Students will understand what a stimulus is and how it can be used to inspire movements. Students will look at a range of strategies to create their own choreography
DT	Night LightWhy is it important to be safe in the workshop?Why do we need to identify and understand user needs?How to research and solve their own design problemsHow to develop a design solution How to analyse products using ACCESSFMWhy do designers/manufacturers analyse products?How to use tools to safely shape, cut and drill.Sustainable design. Why is this important?How to use tools to make an electrical circuitHow to evaluate the night light? Creating design on card for night light Making night lights Research sustainable design and how products have been designed with the		Squashed What mak How does Why is Nep tomatoes? How to far What is th 1st,2nd an What is th 1st,2nd an What is a p How can le What is th What is a r package pi What mak Making str Process of into farme Design ow transport t Make a tra transporta built Data analy	tomato challenge es a strong structure? an aerial ropeway work? pal good for farming mers of Nepal live? e difference, between, d 3rd order levers? pulley? How does it work? evers change motion? e purpose of a container? net? Why are nets used to roducts? es a good presentation? ructures completing a research rs of Nepal. n net to hold and comatoes presentation system for ng tomatoes presentation about tion system that has been sis.	Design strategies & Key fob What is biomimicry, scruffiti & 4x4 How to use different design approaches to generate creative designs? How to develop innovative and functional products that responds to different needs Develop designs using computer-based tools (2d Design) How products can be manufactured using CAM (Computer Aided Manufacture) Process of completing design work using creativity and imagination Use of biomimicry, scruffiti and 4x4 to generate ideas Use of literacy for Design and Technology through oracy and in annotation of designs Use of (CAD) 2d Design to create a design Use of laser cutter to manufacture a key fob		Ozobots What is a re What is a n What is tra How to cor of different The benefit and their e wider work Problem so Test and re to complet Investigate technologie Understand of robots h	obot? input/output? ck ntrol a robot to fulfil a number t commands ts and disadvantages of robots ffect on daily life and the d. olving using a robot ffine tracks to control a robot e a number of different tasks new and emerging es d the potential impact the use as on society

ENGLISH	The Graveyard Book Substantive Gothic conventions/tradition, theme of growing up (parent/child relationships, friendship/bullying), vocabulary of thoughts and feelings, descriptive language devices, structural features.	New Worlds Substantive Literature from many/diverse voices, word classes, descriptive language devices, structural features.	Poetry Substantive Word classes, descriptive language devices, structural features, poets and their influences, writing analytically.	Shakespeare – whole play The Tempest or Much Ado	The Speckled Band Substantive Understanding the canon and what it means. Freytag's theory. Dialogue and withholding.
FOOD	Basic Skills and 5-a-Day Equipment in the kitcher Washing up. Knife Skills Food safety – watching k Grime scene – identify h Personal hygiene Work on 5-a-day Using the cooker, grill ar Learning about organisat lessons and getting routi Sensory evaluation (crun Understanding the reaso cooking skills and being a dishes. Discussion about 5-a-day menus. Thinking about the scien browning and exploring Food.	n bad food live azards nd hob tion, timings, pace of ines established. nble) ons behind the above able to adapt to their own y and creating personal ce behind enzymic other ways we see it in	Foods from around the World: Why do we eat food? Food choice, different factors Cuisines from around the world Fairtrade. Food miles Exploring breadmaking in detail, looking at breads around the world, how gluten works? Making bread – functions of ingredients and skills. How does yeast work? Labelling and food packaging, sensory evaluation and quality control Exploring different cultures and their cuisines. Giving students the opportunity to explore all the various factors that food choice offers.	Let's go on a Picnic What is a picnic and foods we eat? Low and high-risk foods. Food spoil Storing of foods to keep us safe Food poisoning Hydration and the importance of dr The senses and their role in evaluat What are sweet and savoury foods? Learning about the key nutritional g Introduction into energy balance Sensory Evaluation (cupcakes) Students are encouraged to explore designing and making their own cup learn new techniques to use, create Completing an escape room type ac food poisoning and the wider risk to Relating food storage and spoilage	lage rinking water ting foods ? groups e fully the creativity of pcakes. They research ideas, e a unique range of cakes. ctivity, students learn about o health. to the wider audience (home)

GEOGRAPHY	What is our World like?		Why is our weather so ch	Why is our weather so changeable?		What challenges and opportunities does Africa face?	
	To know the nature of G	eography	What is the difference bet	ween weather and	What are our perceptions of Africa	?	
	To know the different ty	pes of maps using an	climate?		What are Africa's main physical fea	tures?	
	Atlas		How do we measure weather?		What biomes exist in Africa?		
	To know how to locate p	laces on OS Maps	What is the climate of the UK?		How has colonisation affected Africa?		
	To know how to interpret OS maps (relief and		Why does it rain?		What are the benefits and problem	is of population change in	
	distance)		What is a microclimate?		Africa?		
	To know How to interpre	et Data on Maps	How do we carry out a ge	ographical enquiry?	How developed are African countri	es?	
	To know the locational c	ontext of the UK			What are the challenges facing the	Horn of Africa?	
	To know how to interpre	t Geographical Images	Process of completing a g	eographical enquiry.	How do the people in the Horn of A	Africa deal with their	
	To know the locational c	ontext of Europe	Use of fieldwork equipme	nt.	challenges?		
	To know the locational c	ontext of the world	Application of tier 3 termi	nology.	_		
	To know How the UK is li	inked to the wider world	Data analysis.		Contextual knowledge of location (Horn of Africa).	
	To know how to read Ge	ographical Graphs			Cost/benefit analysis and judgeme	nt.	
					Graphical literacy.		
	Contextual knowledge of	f location (UK, Europe).			Concept of misperceptions leading	to bias.	
	Graphical literacy. Interpretation of 2D imagery.						
	Application of tier 3 terminology.						
	Cost/benefit analysis and	l judgement.					
HISTORY	What made the	William I – How Significa	nt was William's control	King John – How did	The Black Death – How did the	Chepstow What does	
	Roman Army	over the English?		the monarchy's	Black Death Change Daily Lives	Chepstow Castle tell us	
	Successful?	Dark Ages/Invasions/King	doms pre-1066	control lose its grip?	Black Death and its impact on	about the changing natures	
	Features of Iron Age	Battle of Hastings 1066 a	nd why William won	Magna Carta	society	of Castles	
	Britain	Castles/Motte and Bailey	features and examples	Barons – Their	The nature of the Disease and its	Chepstow Castle	
	Invasion in 43AD	Terror/Harrying of the No	orth 1069	relationship with	effects	River Wye	
	Bouddica's rebellion	Feudal system		John	Buboes/ 4 Humours	Defence/Comfort	
	61AD	Domesday Book 1086,		Pope – Disagreement	Superstitions/Natural	Keeps	
	Roman towns and	Role of the Church.		with John and	Flagellants	Baileys	
	public health – The			Excommunication –	Peasant Revolt	Concentric Castle	
	Romans Baths	Literacy for History and w	riting an essay	The role of the	Hierarchal system/Feudal	Palace castle	
	Living conditions and	Assessing change and cor	ntinuity	church on ordinary	System.	Murder Holes.	
	housing	Validity of sources (Bayeu	ıx Tapestry)	people.		Control	
	Theatre and			Civil War	Developing and applying	War	
	entertainment			Avignon Empire	Knowledge. Evidence/Cause and		
	Politics, role of			Plantagenet	Consequence/Comparison	Understanding Local	
	Emperor and the					History/using sites.	
	Senate			Making a Judgement.		Interpretation and	
	End of Roman rule			Similarity and		Inference/Change and	
	c.400AD			Difference		Continuity/Corroborating	
				Being able to make		evidence.	
				comparison.			

MATHS PLEASE NOTE: The units covered may not be in this order	Literacy for History and writing an essay Use of evidence and analysing sources Assessing change and continuity Comparing factors and success Directed Number Understand negative numbers and use to put them in order and identify on a number line. Calculate with negative numbers.	Powers & Roots Recognise square & cube numbers and the associated roots. Calculate powers and roots with and without a calculator. Recognise triangular numbers.	Sequences Find the rule for a sequence and use it to find further terms. Represent sequences in tables, diagrams and graphs. Understand the difference between linear & non-linear	Algebraic Notation Understand algebraic notation. Simplify algebraic expressions.	Functions & Substitution Know & use the correct order of operations. Find the inputs & outputs of a given function machine. Given the input & output find a function. Substitute values, including negatives, into simple algebraic expressions.	Equations Understand the meaning of equality & equivalence. Solve simple linear equations.
	Rounding & Estimation Round numbers to powers of 10 and decimals places.	Place value Understand place value of integers & decimals and use to put these in order and identify on a number line or scale. Write numbers in standard form.	sequences. Fractions, Decimals & % Represent fractions, decimals and % on a number line. Identify equivalent fractions & cancel fractions to simplest form. Understand % as part of 100 and fractions as division. Convert between fractions, decimals and % including thirds, eighths and thousandths.	Addition & Subtraction Know and use mental & written methods for addition & subtraction. Understand the properties of addition & subtraction. Solve problems involving addition & subtraction.	Multiplication & Division Know and use mental & written methods for multiplication & division. Understand the properties of multiplication & division. Solve problems involving multiplication & division.	Coordinates & linear graphs Work with co-ordinates in 4 quadrants. Plot linear graphs from a table.
	Fractions and % of amounts Convert between fractions and mixed numbers. Find fractions and % of amounts with and without a calculator	Primes, multiples & factor Recognise prime numbers. Recognise square & triangular numbers. Find multiples & factors of numbers. Find the Highest Common	Add & subtract fractions Add & subtract fractions & mixed numbers	Multiply & Divide Fractions Multiply & divide fractions & mixed numbers	Metric Measures Convert metric units. Compare & order metric measures. Measure & draw line segments.	Angles Identify different types of angle. Draw & measure angles using a protractor. Identify parallel & perpendicular lines. Know & use angle rules, including vertically opposite angles, angles round a point, angles

		Factor (HCF) and				on a straight line & angles in
		Lowest Common				triangles & quadrilaterals.
		Multiple (LCM) of two				
		or more numbers.				
	Area & Perimeter	Number sense	Data Presentation	Measures of average	Sets & Probability	Symmetry
	Calculate & solve	Use appropriate	Draw & interpret	& spread	Understand sets. Draw &	Recognise & use line &
	problems with	strategies for	frequency trees, bar	Find the mean,	interpret Venn diagrams.	rotational symmetry
	perimeter of shapes	calculation with	charts, vertical line	median, mode &	Understand the probability scales	
	and area of rectangles	integers, decimals &	graphs, time series	range of a data set.	and associated vocabulary.	
	& parallelograms &	fractions. Know and use	graphs & pie charts.		Calculate the theoretical	
	triangles.	the correct order of	Read & interpret		probability for a single event.	
		operations.	ungrouped frequency		Understand that probabilities	
			tables.		sum to 1 and calculate the	
					probability an outcome does not	
					occur. Use systematic methods,	
					including sample space, to list	
					outcomes. Calculate probabilities	
					from sample space, two-way	
					tables & Venn diagrams	
	Properties of shape	Construction				
	Recognise & know the	Construct triangles				
	properties of different					
	types of triangle &					
	quadrilateral.					
	Recognise different					
	polygons	later de etterne en d	6-h l		Pue e Alue e	
FRENCH	All students do a	Introductions and	School	School (continued)	Free-time	Free-time (continued)
	carousel of 4		Opinions	Colours	Present tense	Time markers
	languages. Then	formining and	Conjunctions	Indefinite articles	Conditional	Present tense imperiect
	students make choices	indefinite articles	Talking about time	Adjustival position	Erequency phrases weather	Conditional
	thoy will study through	Mon/ma/mos	Procent topse EP vorbs	and agroomont	Phrases opinions	Sports across the
	vear 7 8 and 9 This is	Present tense - ôtre	Present tense ER verbs	Intensifiers		Franconhonie
	followed by sessions	avoir		Near future		Pavision of key tonics a g
	Tonowed by Sessions	Adjectival agreements				education
		Negative sentences				
GERMAN	All students do a	Introductions and	Family and pets	Free time	My town	My town
GERMAN	carousel of 4	describing people	Definite and indefinite	Regular present	Opinions and reasons	Imperatives
	languages. Then	Adjectives of	articles	tense gern/lieber/am	Connectives	Prepositions
	students make choices	description	Nominative and	liebsten	Verb pullers	Future tense
	of the language that	Saying how you are	accusative cases	Opinions and reasons	Es gibt + accusative	Conditional
	they will study through	Numbers		inversion of word	Compound nouns	Directions

	year 7, 8 and 9. This is followed by sessions	Opinions and justification Inversion of the verb Intensifiers connectives Adverbial phrases Comparatives	Possessive adjectives Forms of haben Pronouns Connectives Intensifiers Forms of sein Use of kein to create Negative sentences	order asking questions Time phrases Future tense Ich möchte	Adjective endings Imperfect tense Time phrases to use in the past tense	
MANDARIN	All students do a carousel of 4 languages. Then students make choices of the language that they will study through year 7, 8 and 9. This is followed by sessions	Greetings and introductions Pinyin Radicals Basic strokes Stoke order Numbers Question words Verbs Pronouns	Family and home Possessive adjectives	Hobbies Conjunctions Question words Modals	Hobbies/School Time phrases	School Use of 在 Question words Talking about nationality Radicals: う, 日, 忄, 讠 ・口
SPANISH	All students do a carousel of 4 languages. Then students make choices of the language that they will study through year 7, 8 and 9. This is followed by sessions	Introductions and school subjects Verbs of opinion Ilamarse Tener Numbers Definite articles Adjectival agreement intensifiers Connectives	Free time activities Opinions and reasons Practicar, jugar, hacer Connectives Days Phrases with infinitive Opinion verbs + infinitive future tense Future time phrases	Free time activities Time phrases of frequency Present tense - verb conjugation Irregular present Tense verbs Telling the time	Family Numbers Ages Indefinite articles Adjectives and agreement Comparatives Ser Tener Present tense Near future Physical description and character	Animals/Culture Colours Adjective agreement Conditional Imperfect - key phrases e.g. tenía, era, me gustaba
MUSIC	The Voice and Musical Futures Band Performance Development of PERFORMING skills by learning chords to pop songs as a class. Learning about the voice, and singing rounds and a folk song,	The Power of the Pentatonic Individual PERFORMING and development of keyboard skills, music based on the pentatonic scale. COMPOSING through improvisation using the pentatonic scale.	Descriptive Music - Danse Macabre Group COMPOSING descriptive music based on 'Danse Macabre' by Saint Saens. Small ensembles using instruments. Development of ensemble performance techniques	Descriptive Music - Journey into Space Paired COMPOSING music based on 'The Planet Suite' by Holst using garage band and Sibelius software. Development of software production skills	Pop Song Performance Ensemble PERFORMANCE. Development of instrumental and performance skills through a performance of a pop song. LISTENING/APPRAISING Understanding instrumentation, structure, lyrics and context. Singing pop song chorus in 2 parts	Pop Song Composition Paired COMPOSING Pop songs. Chords, Harmony, Structure/Form, Texture, Melody, Instrumentation. 4 Chords in C major/A minor Pentatonic Riff and root note bass. Midi input and sequencing. Using microphones, it captures audio of melody

	a musical song and pop	Development of	APPRAISING/LISTENING	APPRAISING		lines and or rapping
	songs.	notation and musical	examples of descriptive	examples of		LISTENING/APPRAISING
	Development of	elements.	music.	descriptive music.		Understanding
	musical element					instrumentation. structure.
	knowledge through					lyrics and context of pop
	listening					songs
DE	Invasion	Net and Wall	Health & Wellbeing	Aesthetic	Striking and Fielding	Athletics
r L	Technical Knowledge	Technical Knowledge	Technical Knowledge	Technical Knowledge	Technical Knowledge	Technical Knowledge
	Attempting a Range of	Attempting a Range of	Attempting a range of	Students will work	Attempting a Range of basic	Attempting a Bange of basic
	hasic nassing	hasic Foreband	Exercise/Training	individual and	howling batting fielding and	Running lumning and
	movement	backhand serves and	methods to improve	nartner floor work	wicketkeening (Throwing and	Throwing Techniques
	with/without hall	volley shots	Cardiovascular fitness	working on basic gym	Catching) skills	The wing reeningues.
	attacking and		and general Health and	skills and		Performance Knowledge
	defending skills	Game Knowledge	Wellbeing	movements Will	Game Knowledge	Attempting to understand
	derending skills.	Attempting to	Wendenig.	then progress onto	Attempting to understand basic	the basic rules of each event
	Game Knowledge	understand basic	Students will also	vaulting attempting a	Knowledge of rules and	and tactics and strategies
	Attempting to	Knowledge of rules and	develop Social	variety of different	awareness of basic tactics in	for the individual events
	understand Knowledge	attacking and defensive	Emotional Physical and	vaults	small sided conditioned games	for the manual events.
	of rules awareness of	nrinciples in a half court		vaults.	sinali sidea conationea games.	Students will also develop
	hasic	conditioned game and	throughout the	Performance	Students will also develop Social	Social Emotional Physical
	attacking/defensive	some knowledge of	curriculum	Knowledge	Emotional Physical and	and Leadershin skills
	strategies in small	hasic tactics		To execute the skills	Leadership skills throughout the	throughout the curriculum
	sided conditioned	busic tactics.		aesthetically well	curriculum	
	games and some	Students will also		demonstrating good		
	knowledge of basic	develop Social		control and tension		
	tactics	Emotional Physical and		as part of the		
		Leadership skills		performance.		
	Students will also	throughout the				
	develop Social.	curriculum.		Students will also		
	Emotional Physical and			develop Social.		
	Leadership skills			Emotional Physical		
	throughout the			and Leadership skills		
	curriculum.			throughout the		
				curriculum.		
PSHE	Achieve your		Money			
Curriculum	ambition/Future		Prevent/Democracy			
	Relationships		Campaigning for change			
			Hurtful Language / A			
			modern citizen			
			Stability and what it			
			offers (Families)			
Health Dav						

								Healthy Life styles – Sugar / Dental Health Basic First Aid (Epi-pens, de-
Specialist								fib, inhaler) Basic First Aid (Choking)
Team		Bereavemer	nt	Extremism & Terrorism				FGM
RE	Religion: A short introdu What does it mean to be	Iction long?	Hinduism: Origins of faith The Bhagavad Gita and the 4 paths		Sikhism: What is AuthorityBuKnowledge of the term Guru and Sikhotl		Buddhism: Ho others	ow helping myself first, helps
	How to define and recog	nise	leading to N	Ioksha (Jnana yoga, Raja	examples (extending to	other eastern	The 3 Jewels:	Buddha, Dharam and the
	Theism, Atheism and Agr	nosticism.	yoga, Bhakti yoga and Karma yoga)		faiths)		Sangha	
	What is religious truth? The different		Hindu festiv	als, celebrations and	Origins of Sikhism, the	story of Guru Nanak	The story of t	he Buddha, his
	ways of looking at religions		practices		The Mul Mantra and ke	y Sikh beliefs	enlightenmer	nts and subsequent teachings
	How old is religion?		Beliefs abou	It the nature of God	The nature of God in Si	khism maaf Carry Anian	The 3 marks of	of existence and the 4 noble
	Guidance and ritual. What is ritual		(Iviany mani	irestations of the one)	Nartyrdom and the sto	ry of Guru Arjan	truths.	runa (compaction)
			(Advaita Ver	danta and Dvaita	Idea of unconditional c	harity: The	Sangha (com	munity of spiritual friends)
	Literacy for Religious Edu	ucation.	Vedanta)		Gurdwara		Role of women in the Sangha –	
	writing one's opinion clearly,		Atman, the	nature of the soul.	Key features of the life of Guru Gobind Rai		contemporar	y and historical examples
	coherently and directly				(Guru Gobind Singh)		Meditation –	, Vipassana and Samatha
	Critically analysing opinions Literacy rep		Literacy reg	arding Hindu teachings	Persecution of the Sikh	s, how this has		
	Avoiding cognitive dissor	nance by	and beliefs		shaped the religion and	its practices (5 Ks)	Literacy rega	ding Buddhist teachings and
	allowing for other ideas a	and	Assessing di	ifferent world views	Sikh rites of passage (A	mrit ceremony)	beliefs	
	principles without compr	romising	Ability to raise and suggest answers				Assessing diff	erent world views
	one's own beliefs		to relevant	questions in response to	Literacy regarding Sikh teachings and		Ability to raise and suggest answers to	
			Hindu belief	ts, support answers using	beliefs	ld vioue	relevant ques	stions in response to Buddhist
			reasons and	i/or information Avoiding	Assessing different wor	id views	and/or inform	ort answers using reasons
			other ideas	and principles without	relevant questions in re	escarswers to snonse to Sikh	Annlying relig	vious ideas of compassion and
			compromisi	ng one's own beliefs	beliefs, support answer	s using reasons	understandin	g to one's own life
					and/or information		Critically asse	ss one's own state of mind in
					Applying religious ideas	of "unconditional	relation to th	e world around oneself.
				1	charity" to one's own li	fe		
SCIENCE	Cells	Reproductio	on and	Reproduction and	Life processes and	Atoms and element	S	Chemical Reactions
(please note -	Structure of plant and	health		health	ecology	Structure of the ator	n	identifying chemical
different	animal cells	Male and fe	male	DNA structure- double	Characteristics of	Subatomic particles-	protons,	reactions vs physical
classes will	wicroscope parts and	Ruborty cha	e organs	Chromosomo definition	IVING THINGS: IVIKS	Model of a puckaus s	urroundod	Changes Reactants > Products
do the	Snecialised cells- egg	Role of horn	nones	and number	Respiration (word	hy clouds of electror	is an ounded	Construction of simple word
modules in a	sperm, red blood cell	(oestrogen		Work of Watson, Crick	equation)	Molecules- definition	n and	equations.
mouties in a	root hair cell.	progesteron	ie,	and Francis		examples		Gas tests (Hydrogen, Carbon
	Structure of bacteria	testosterone	e)	Classification		Chemical formulae		Dioxide, Oxygen- as demo)

different order)	Bacterial culture using agar- aseptic technique	Menstrual cycle Sexual intercourse	Definition of Species Hierarchy: Kingdom,	Definition of Autotroph/	Definition of element- made of 1 type of atom.	Observation of other features involved with
ordery	Uses of	Journey of a sperm	Phylum, Class, Order,	Heterotroph	Recognition of common elements	chemical reactions- energy/
Ecology is the	microorganisms-	Fertilisation-haploid	Family, Genus, Species	Definitions of	Properties of elements	colour changes)
Lost tors	fermentation, yoghurt,	gametes fusing to form	Vertebrate classes and	ecosystem, habitat,	Introduction to the Periodic	Identification of commonly
last topic	digestive health.	a diploid zygote	characteristics	community,	Table:	used acids.
taught for all		Plant reproduction	Environmental vs	population.	Groups and Periods	Properties of acids.
classes.		Flower structure	Genetic variation	Biotic and Abiotic	Metals and Non-metals	Definition of base/ alkali (as
		Soud formation and	Discontinuous/	Human impacts on	Symbols and Numbers	a soluble base)
		dispersal	Adaptation			Why we need different
		Importance in human	Features of organisms	Photosynthesis		types of indicator
		food security	living in extreme	(word equation)		Natural indicators-
		Tood security	environments	Examples of		preparation of red cabbage
			How these lead to	interdependence		indicator
			survival	Competition		Hazard symbols
			Features of typical	Predator/prev		Risks associated with each
			predator/ defences of	relationships		hazard
			prey	Food Chains		Everyday Applications
				Ecology: sampling		
				methods including		
				quadrats, transects		
				and others such as		
				pitfall traps.		
				Human effects on		
				interdependence-		
				e.g. overfishing.	-	
	Particles and states of	The Earth: Rocks and	Forces and motion	Waves and energy	Space	Electricity and magnetism
	matter	atmosphere	Basic force definitions	Wave definitions:	Scale and organisation of space	Simple circuit components
	Particle models of	Metamorphic.	Forces as a push or pull	speed, wavelength,	Planets of the solar system.	and energy transfers
	solids, liquids and	Properties of different	Free body diagrams-	frequency,	Order and simple descriptions	Involved.
	gases.	Fock types	Use of Newton mater	Mayo as an onormy	moon around the Earth	circuits circuit ropairs
	evamples of physical	Fossils found in	Balanced/unbalanced	transfer with no net	Definition of year and day	Construction of circuit
	changes	Sedimentary Bocks	forces	transfer of matter	Botation and tilt of Earth on its	diagrams
	Properties of common	The Fossil Record	Fauilibrium	Comparison of	axis- link to seasons	Dangers of electricity
	substances.	Fossil fuels- definition	Resultant force-	longitudinal and	Explanation of phases of the	Role of fuse and Farth wire
	Fluids- definition.	and examples	calculation	transverse	moon.	Cost of 1 unit (kWh)
	Review of particle	Crude oil formation.	Extension of a spring-	Sound definitions to		Magnetic/ non-magnetic
	, model.	Separation of crude oil.	calibration to N meter.	include pitch and		materials
	Definition and	Properties and uses of		volume- linked to		Description of field around a
	examples of diffusion.	fractions.				bar magnet

Brownian Motion.	Definition of finite	Calculation of speed:	frequency and	Permanent and temporary
Factors affecting	resource and examples	Use of speed = distance/	amplitude.	magnetism
diffusion	e.g. oil, metals, rocks.	time	Explanation of why	Earth's magnetic field
	Definitions of	Unit as m/s- link to	longitudinal (sound)	
	sustainable/ renewable	other units	waves travel at	
	Recycling methods.	Relative and average	different speeds in	
	Evaluation of recycling:	speeds	solids, liquids and	
	challenges vs need to	Distance-time graphs	gases.	
	conserve resources/	Air resistance and	Speed of sound in	
	energy.	friction as forces which	air- experimental	
	Structure of the	oppose motion	measurement and	
	atmosphere- layers.		value.	
	Appreciation of depth.		Luminous and non-	
	Air as a mixture.		luminous objects.	
	Composition (%) of		Light travelling in	
	atmospheric gases.		rays	
			Reflection and	
	The carbon cycle-		scattering from	
	contribution/ effects of		surfaces	
	different processes		Shadow formation.	
	including:		Definitions of	
	photosynthesis,		translucent,	
	combustion,		transparent and	
	respiration, death,		opaque.	
	decomposition,		Energy defined as	
	feeding, excretion,		"something that is	
	fossilisation.		needed to make	
	Biofuels. Concept of		things happen or	
	"carbon neutral".		change".	
			Principle of	
			conservation of	
			energy.	
			Energy stores.	
			Energy transfers.	
			Heat transfer.	
			Definitions,	
			explanations and	
			examples of:	
			- Conduction	
			- Convection	
			- Radiation	

		Explanation of why	
		heat is transferred in	
		different ways	
		through solids,	
		liquids, gases and a	
		vacuum.	