No	thum hould a		SCIENCE Progra						mme of Study (Year 1)								
NO	Week 1	Week 2	Week	Week 4	Week 5	Week 6	Week 7	Week 8	Weel	k 9 V	Week	Week 11	Week 12	Week 13	Week 14	Week 15	
	Autumn 1 – 'Equality & Diversity'								Autumn 2 – 'Living in the Wider World'								
	Subject Area Topic								Subject Area Topic								
Auuutumn	1. Animal cells Plant cells microscopes	2. -Specialised cells -DNA - Chromosomes	3. -Mitosis -Stem cells - Diffusio n	4. -Osmosis -States of matter -Atoms	5. -Atomic data Compounds -Atomic mass	6. -Conservation of mass -Balanced chem equations	7. -Atomic structure -electronic structure of atoms -properties of elements, metal, non- metals	8. -Group 1 Metals -group 7 elements -group 0	1. -Plant c organis - Transpi n	2. cell - sation Va + iratio evo	rolution	3. -Genetic engineering -Fossils -Classification -Biodiversity + waste management	4. -Global warming - Deforesta n -Evolutior of atmosphe	5. -Potable water - Desalinatio tio n -Waste water treatment	6. -Series and parallel circuits - investig ating resistan ce in circuits.	<ul> <li>7.</li> <li>-Electricity in the home</li> <li>-Power of electrical items</li> <li>-National grid</li> </ul>	
	Notes/Links/Interleaving Additional Higher Content -Balanced Symbol equations ext								Notes/Links/Interleavi Additional Higher Content ng -Electrical Equations								
	-Writing chemical formula for common compounds							-Resistance graphs for different components									
	Spring 1 – 'The Circle of Life'							Spring 2 – 'Conflict'									
	Subject Area Topic							Subject Area Topic									
Spring	1. -Reproduction -Meiosis -X Y Chromosomes	2. -Puberty + menstrual -Controlling -Sexually transmitted diseases.	cycle g fertility	3. -Abiotic and biotic factors -Adaptations -Carbon cycle -Water cycle	4. -Genetic diagrams -Family Tree and genetic screening	5.       6.       1.         -Maintaining ecosystems biodiversity       -Finite and renewable resources -Reactions of acids       -Recycling -Recycling assessments         -Image: biodiversity       -Recycling -Life cycle assessments       -Reactivity series		eries	2. Reactions netals Electrolysis	3. -Communicable diseases -Bacterial diseases -Viral diseases		e -F dis ases -F	ungal and proti seases ghting disease /accinations	gal and protist ases nting diseases ccinations			
	Notes/Links/Interleaving       Additional Higher Content         -Embryo screening       -Classification changes						Notes/Links/Ir	Notes/Links/Interleaving       Additional Higher Content         -Antibiotic resistant bacteria									
	Summer 1 – 'Health & Leisure'						Summer 2 – 'Crime & Punishment' (CSI Themed curriculum)										
	Subject Area Topic							Subject Area Topic									

1. -Enzymes - digestion	2. -Circulatory system -Cardiovascular disease	3. -Health and diseases Cancer -Risks in non- communicable diseases	4. -Developing drugs -Exercise	5. - Aerobic and anerobic respiration -Homeostasis	6. - Nervous system -Endocrine system	1. -Chromatography -Separation techniques -Distillation	2. -Tests for gases -Food tests	<ol> <li>3.</li> <li>-refraction and reflection of light</li> <li>Electromagneti c waves.</li> </ol>	4. -Stopping and thinking distance -Braking distance -Reaction times	5. -Newtons 1 <sup>st</sup> law -Newtons 2 <sup>nd</sup> law	6. -Newtons 3 <sup>rd</sup> law - Acceleratio n	7. Elasticity and investigating springs
Notes/Links/Interleaving		Additional Higher Content				Notes/Links/Interleaving			Additional Higher Content			
		Artificial hearts + valves							Reaction time equation calculation			