	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Biology:	Identify and	Find out and	Identify and		Describe the	
Plants	name a	describe how	describe the		life processes	
	variety of	plants need	functions of		of reproduction	
	common wild	water, light	different parts		in some plants	
	and garden	and a suitable	of flowering		(see Living	
	plants,	temperature	plants: roots,		things and their	
	including	to grow and	stem/trunk,		habitats)	
	deciduous	stay healthy	leaves and			
	and		flowers.			
	evergreen		Investigate the			
	trees.	Observe and	way in which			
		describe how	water is			
	Identify and	seeds and	transported			
	describe the	bulbs grow	within plants.			
	basic	into mature				
	structure of a	plants.	Explore the			
	variety of		requirements			
	common		of plants for			
	flowering		life and			
	plants,		growth (air,			
	including		light, water,			
	trees.		nutrients from			
			soil, and room			
			to grow) and			
			how they vary			
			from plant to			
			plant.			
			Explore the			
			part that			
			flowers play in			
			the life cycle			
			of flowering			
			plants,			
			including			
			pollination,			
			seed			
			formation and			
			seed dispersal			

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Biology:	Identify and	Find out	Identify that	Construct and	Describe the	Identify the
Animals,	name a	about and	animals,	interpret a	changes as	main parts of
including	variety of	describe the	including	variety of food	humans	the human
humans	common	basic needs of	humans, need	chains,	develop to old	circulatory
	animals	animals,	the right types	identifying	age	system, and
	including fish,	including	and amount of	producers,		describe the
	amphibians,	humans, for	nutrition, and	predators and		functions of
	reptiles, birds	survival	that they	prey.		the heart,
	and	(water, food	cannot make			blood vessels
	mammals.	and air).	their own	Describe the		and blood
	Identify and		food; they get	simple		
	name a	Notice that	nutrition from	functions of		Describe the
	variety of	animals	what they eat.	the basic parts		ways in which
	common	including		of the		nutrients and
	animals that	humans, have	Identify that	digestive		water are
	are	offspring	humans and	system in		transported
	carnivores,	which grow	some other	humans.		within
	herbivores	into adults.	animals have			animals,
	and		skeletons and	Identify the		including
	omnivores.	Describe the	muscles for	different types		humans.
	Describe and	importance	support,	of teeth in		
	compare the	for humans of	protection and	humans and		Recognise
	structure of a	exercise,	movement.	their simple		that living
	variety of	eating the		functions.		things
	common	right amounts				produce
	animals (fish,	of different				offspring of
	amphibians,	types of food,				the same
	reptiles, birds	and hygiene.				kind, but
	and					offspring vary
	mammals,					and are not
	including					identical
	pets).					
	' '					
	Identify,					
	name, draw					
	and label the					
	basic parts of					
	the human					
	body and say					
	which part of					
	the body is					
	associated					
	with each					
	sense.		1		1	1

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Biology:		Explore and		Recognise that		Describe the
Living things		compare the		living things		differences in
and their		differences		can be		the life cycles
habitats		between		grouped in a		of a mammal,
		things that		variety of		an amphibian,
		are living,		ways.		an insect and
		dead, and		,		a bird
		things that		Explore and		
		have never		use		
		been alive.		classification		
				keys to help		
		Identify that		group, identify		
		most living		and name a		
		things live in		variety of living		
		habitats to		things in their		
		which they		local and wider		
		are suited and		environment.		
		describe how		Carrio Carrico		
		different		Recognise that		
		habitats		environments		
		provide for		can change		
		the basic		and that this		
		needs of		can sometimes		
		different		pose dangers		
		kinds of		to living things.		
		animals and		to living tilligs.		
				Construct and		
		plants, and				
		how they		interpret a		
		depend on each other.		variety of food		
		each other.		chains,		
		Identify and		identifying		
		Identify and		producers,		
		name a		predators and		
		variety of		prey. (Animals,		
		plants and		including		
		animals in		humans)		
		their habitats,				
		including				
		micro-				
		habitats.				
		Dogorika kawa				
		Describe how				
		animals				
		obtain their				
		food from				
		plants and				
		other animals,				
		using the idea				
		of a simple				
		food chain,				
		and identify				
		and name				
		different				
		sources of				
		food.				

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Biology:						Recognise
Evolution						that living
and						things have
Inheritance						changed over
						time and that
						fossils provide
						information
						about living
						things that
						inhabited the
						Earth millions
						of years ago.
						Recognise
						that living
						things
						produce
						offspring of
						the same
						kind, but
						offspring vary
						and are not
						identical to
						their parents
						Identify how
						animals and
						plants are
						adapted to
						suit their
						environment
						in different
						ways and that
						adaptation
						may lead to
						evolution.

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Chemistry:	Everyday	Uses of	Rocks	States of	Properties and	
Materials	Materials	Everyday	Recognise that	Matter	changes of	
and States of	Distinguish	Materials	soils are made	Observe that	materials	
Matter	between an	Identify and	from rock and	some materials	Give reasons,	
	object and	compare the	organic	change state	based on	
	the material	suitability of a	matter.	when they are	evidence from	
	from which it	variety of		heated or	comparative	
	is made.	everyday	Describe in	cooled, and	and fair tests,	
		materials	simple terms	measure or	for the	
	Identify and	including	how fossils are	research the	particular uses	
	name a	wood, plastic,	formed when	temperature at	of everyday	
	variety of	glass, metal,	things that have lived are	which this	materials,	
	everyday materials,	water, and rock, paper	trapped within	happens in degrees	including metals, woods	
	including	and	rock.	Celsius.	and plastic.	
	wood, plastic,	cardboard for	TOCK.	Ceisius.	and plastic.	
	glass, metal,	particular	Compare and	Identify the	Know that	
	water, and	uses.	group	part played by	some materials	
	rock.		together	evaporation	will dissolve in	
	, , ,	Find out how	different kinds	and	liquid to form a	
	Describe the	the shapes of	of rocks on the	condensation	solution, and	
	simple	solid objects	basis of their	in the water	describe how	
	physical	made from	appearance	cycle and	to recover a	
	properties of	some	and simple	associate the	substance from	
	a variety of	materials can	physical	rate of	a solution.	
	everyday	be changed	properties.	evaporation		
	materials.	by squashing,		with	Use knowledge	
		bending,		temperature.	of solids,	
	Compare and	twisting and			liquids and	
	group	stretching		Compare and	gases to decide	
	together a			group	how mixtures	
	variety of			materials	might be	
	everyday			together,	separated,	
	materials on			according to	including	
	the basis of			whether they	through	
	their simple			are solids,	filtering,	
	physical properties.			liquids or	sieving and	
	properties.			gases.	evaporating.	
					Demonstrate	
					that dissolving,	
					mixing and	
					changes of	
					state are	
					reversible	
					changes.	
					Explain that	
					some changes	
					result in the	
					formation of	
					new material, and that this	
					kind of change	
					is not usually reversible,	
					including	
					changes	
					associated with	
			1	1	associated with	I

Cont'd			Year 5	
Chemistry: Materials			the action of	
and States of			acid on	
Matter			bicarbonate of	
			soda.	
			Compare and	
			group together	
			everyday	
			materials on	
			the basis of	
			their	
			properties,	
			including their	
			hardness,	
			solubility,	
			transparency,	
			conductivity	
			(electrical and	
			thermal), and	
			response to	
			magnets.	

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Physics:	Seasonal				Earth and	
Earth and	Changes				Space	
Space	Observe				Describe the	
	changes				movement of	
	across the				the Earth and	
	four seasons.				other planets,	
					relative to the	
	Observe and				Sun in the solar	
	describe				system.	
	weather					
	associated				Use the idea of	
	with the				the Earth's	
	seasons and				rotation to	
	how day				explain day and	
	length varies.				night and the	
					apparent	
					movement of	
					the Sun across	
					the sky.	
					Describe the	
					movement of	
					the Moon	
					relative to the	
					Earth.	
					Describe the	
					Sun, Earth and	
					Moon as	
					approximately	
					spherical	
					bodies.	

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Physics:		Uses of	Forces (and		Forces	
Motion and		Everyday	Magnets)		Explain that	
Forces		Materials	Compare how		unsupported	
		Find out how	different		objects fall	
		the shapes of	things move		towards the	
		solid objects	on different		Earth because	
		made from	surfaces.		of the force of	
		some			gravity acting	
		materials can	Notice that		between the	
		be changed	some forces		Earth and the	
		by squashing,	need contact		falling object.	
		bending,	between two			
		twisting and	objects, but		Identify the	
		stretching	magnetic		effects of air	
		(see Uses of	forces can act		resistance,	
		Everyday	at a distance.		water	
		Materials)	(see		resistance and	
			Magnetism)		friction that act	
					between	
					moving	
					surfaces.	
					Recognise that	
					some	
					mechanisms,	
					including gears,	
					pulleys, levers	
					and springs,	
					allow a smaller	
					force to have a	
					greater effect.	
					greater effect.	

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Physics:			Notice that			
Magnetism			some forces			
			need contact			
			between two			
			objects, but			
			magnetic			
			forces can act			
			at a distance.			
			Observe how			
			magnets			
			attract or			
			repel each			
			other and			
			attract some			
			materials and			
			not others.			
			Compare ad			
			group			
			together a			
			variety of			
			materials on			
			the basis of			
			whether they			
			are attracted			
			to a magnet,			
			and identify			
			some			
			magnetic			
			materials.			
			Describe			
			magnets as			
			having two			
			poles.			
			Predict			
			whether two			
			magnets will			
			attract or			
			repel each			
			other,			
			depending on			
			which poles			
			are facing.			

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Physics:	1			Identify	<u></u>	Use
Electricity				common		recognised
				appliances that		symbols when
				run on		representing a
				electricity.		simple circuit
						in a diagram.
				Construct a		
				simple series		Associate the
				electrical		brightness of
				circuit,		a lamp or the
				identifying and		volume of a
				naming its		buzzer with
				basic parts,		the number
				including cells,		and voltage of
				wires, bulbs,		cells used in
				switches and		the circuit.
				buzzers.		
						Compare and
				Identify		give reasons
				whether or not		for variations
				a lamp will		in how
				light in a		components
				-		function,
				simple series circuit, based		including the
				on whether or		_
						brightness of
				not the lamp is		bulbs, the
				part of a		loudness of
				complete loop		buzzers and
				with a battery.		the on/off
				Deserting the s		position of
				Recognise that		switches.
				a switch opens		
				and closes a		
				circuit and		
				associate this		
				with whether		
				or not a lamp		
				lights in a		
				simple series		
				circuit.		
				Recognise		
				some common		
				conductors		
				and insulators		
				and associate		
				metals with		
				being good		
				conductors.	1	

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Physics:			Recognise that			Recognise
Light			they need light			that light
			in order to see			appears to
			things and that			travel in
			darkness is the			straight lines.
			absence of			
			light.			Use the idea
						that light
			Notice that			travels in
			light is			straight lines
			reflected from			to explain that
			surfaces.			objects are
						seen because
			Recognise that			they give out
			light from the			or reflect light
			sun can be			into the eye.
			dangerous and			
			that there are			Explain that
			ways to			we see things
			protect their			because light
			eyes.			travels from
						light sources
			Recognise that			to our eyes or
			shadows are			from light
			formed when			sources to
			the light from			objects and
			a light source			then to our
			is blocked by			eyes.
			an opaque			
			object.			Use the idea
						that light
			Find patterns			travels in
			in the way that			straight lines
			the size of			to explain
			shadows			why shadows
			change.			have the
						same shape as
						the objects
						that cast
						them.

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Physics:				Identify how		
Sound				sounds are		
				made,		
				associating		
				some of them		
				with		
				something		
				vibrating.		
				Recognise that		
				vibrations from		
				sounds travel		
				through a		
				medium to the		
				ear.		
				Find patterns		
				between the		
				pitch of a		
				sound and		
				features of the		
				object that		
				produce it.		
				Find patterns		
				between the		
				volume of a		
				sound and the		
				strength of the		
				vibrations that		
				produced it.		
				produced it.		
				Recognise that		
				sounds get		
				fainter as the		
				distance from		
				the sound		
				source		
				increases		