1A Ourselves	1B Growing plants	1C Sorting and	1D Light and Dark	1E Pushes and	1F Sound and
		Using Materials		Pulls	hearing
Animals look different to	There are different sorts	Materials can feel, look,	We see with our eyes.	Pushing, pulling and	Sounds can be nasty or
one another.	of plants.	taste, smell or sound	Light holes us soo things	twisting can make objects	nice.
Animals look different at	Many plants have roots, a	different.	Light helps us see things.	change shape.	Sounds can be made in a
different ages.	stem, leaves and flowers.	Materials have names.	A variety of sources give out light.	Pushes and pulls can make objects move.	variety of ways.
Parts of the human body	Living things can be	Materials can be put into			Most objects can be
have names.	grouped.	groups based on simple observations.	Light sources vary in colour and brightness.	Pushes and pulls can make objects stop.	made to make sounds.
Animals need to be	Plants need water to	~			Sounds can be loud or
sensitivity.	grow.	Some materials can be found naturally; others	Without light it is dark.	Objects fall downwards.	soft.
Humans have different	Plants need light to grow.	have to be made.	It is dangerous to look at the sun.	Pushes and pulls are forces.	Sounds are heard when they enter our ears.
eye/hair/skin colour and	Plants make seeds which	Properties of a material			
are different sizes.	grow into new plants.	are used to identify it.	The sun gives us	Pushes and pulls can	Sounds can be used to
Humans have many	Roots anchor plants and	Many materials are	daylight.	make objects speed up,	indicate when something
similarities.	flowers make seeds.	useful.		direction.	to happen.
Animals can be grouped.	Seeds spread using	Choose and use materials			Different objects make
	different methods.	on the basis of their			different sounds.
Animals have senses to be aware of the world	Water and warmth help	properties.			Sounds can be made by
around them.	seeds germinate.				shaking, scraping,
					plucking, tapping and
Humans have five senses.	Water, taken in by the				blowing.
Humans have babies	the leaves, flowers and				
which grow into children	fruit.				
then adults.					
Animala act hisson when	Light, water and the				
they get older	nlants grow well				
	Planto Brott Woll.				
Animals are alive and so	Plants need nutrients to				
move/feed/grow use	grow.				
senses and reproduce.					

2A Health and	2B Plants and	2C Variation	2D Grouping and	2E Forces and	2F Using
Growth	animals in the	(Environment)	Changing	Movement	Electricity
	local environment		Materials		
Food, water and exercise	Animals get bigger when	Living things and their	Squashing, bending,	Pushing, pulling and	Many things work by
help to keep us healthy.	they get older.	environment need to be	twisting and stretching	twisting can make objects	using electricity.
		cared for.	can change the shape of	change shape.	
Medicines can cure some	Animals are alive and so		objects made from some		Electricity can be
illness.	move/feed/grow use	There are different kinds	materials.	Pushes and pulls can	dangerous.
	senses and reproduce.	of plants and animals.		make objects move.	
Eating the right amount			Some common materials		Batteries produce
of different foods is	There are different sorts	Identify plants and	change when they are	Pushes and pulls can	electricity.
necessary to stay healthy.	of plants.	animals by what they	heated.	make objects stop.	
		look like.			Batteries can make bulbs,
Exercise helps to make a	Many plants have roots, a		Heating makes some	Objects fall downwards.	buzzers and motors work.
healthy body	stem, leaves and flowers.	There are different kinds	materials melt into a		
		of habitat nearby which	liquid.	Pushes and pulls are	Electricity travels
All medicines are drugs,	Living things can be	need to be cared for.		forces.	through wires.
not all drugs are	grouped.		Cooling some hot		
medicines.		Different plants and	materials reverses the	Pushes and pulls can	A complete circuit allows
	Plants need soil to grow.	animals live in different	change.	make objects speed up,	electricity to flow.
		kinds of places.		slow down or change	
	Plants need water to		Heating changes some	direction.	A bulb will not work if
	grow.		material permanently.		there is a break in the
					circuit.
	Plants need light to grow.				
					Switches can turn devices
	Plants make seeds which				on and off.
	grow into new plants.				

3A Teeth and	3B Helping plants	3C Characteristics	3D Rocks and	3E Magnets and	3F Light and
Eating	grow	of Materials.	Soils.	Springs	Shadows.
Teeth help us to chew	Plants need water to	Properties of a material	Rocks and soils can feel	Some forces, like	Light cannot pass
food.	grow.	are used to identify it.	and look different.	magnetism, act at a	through some materials
	D1 . 11.1			distance.	and this makes shadows.
Teeth have to be cared	Plants need light to grow.	Many materials are	Rocks and soils can be		D
for.		useful.	different in different	Magnets and magnetic	Recognise that shadows
D 1 1 1 1	Plants make seeds which		places.	materials attract each	are similar in shape to the
Regular and varied	grow into new plants.	Choose and use materials		other.	objects forming them.
exercise is beneficial to		on the basis of their	Explore the properties of		
health.	Roots anchor plants and	properties.	sand and soil and to make	Magnets can repel each	The sun appears to move
A	flowers make seeds.	C	comparisons.	other.	and this causes the
An adequate and varied	Coode anne dansin e	Londross flowibility on	Sinving halog up to find	When making on chirat	shadows to change over
health	different methods	atronaths of motorials	steving helps us to find	(a a had anning) it muchas	the course of a day.
neattri.	different methods.	strengths of materials.	of the particles in soil	(e.g. bed spring) it pusies	Make observations of
	Water and warmth halp	Some materials keep heat	of the particles in son.	Dack.	changes in shadows
	seeds germinate	in better then others	Some rocks and soils let	When pulling and object	changes in shadows.
	seeds germinate.	In better than others.	water through better then	(a g alastic band) it pulls	
	Water taken in by the	Some liquids can be	others	(e.g. elastic ballu) it pulls	
	roots goes up the stem to	boiled to make a gas		Such:	
	the leaves flowers and	soned to make a gast			
	fruits.	Freezing, melting and			
		boiling changes can be			
	Light, water and the	reversed.			
	correct temperature make				
	plants grow well.	Some materials dissolve			
		in water; others do not.			
	Plants need nutrients to	· ·			
	grow well.				

4A Moving and	4B Habitats	4C Keeping Warm	4D Solids, Liquids	4E Friction	4F Circuits and
Growing			and how they can		Conductors
			be separated.		
 4A Moving and Growing Be able to feel bones. Know that there are bones inside their own body. Skeletons grow as we grow. Skeletons support and protect human's bodies (and some other animals). Muscles help move part of the body. Movement depends on both skeleton and muscle. 	 4B Habitats Different plants and animals live in different kinds of places. Plants make food; animals eat plants and other animals. The different living conditions found in different habitats suits some plants/animals more than others. Factors such as moisture, light level, soil type, temperature, shelter help to describe a habitat and affect what lives in it. Food chains describe what gets eaten in a habitat. Most food chains begin with a green plant. 	4C Keeping Warm Temperature is a measure of how hot or cold objects are and that something hot will cool down and something cold will warm up until it is the same temperature as its surroundings. Use a thermometer to make careful measurements of temperature using standard measures. Some materials keep heat in better than others. (Try these: bubble wrap, sponge sheeting, foil, polystyrene) Some materials keep cold objects cold. (Try these: bubble wrap, sponge sheeting, foil, polystyrene)	 4D Solids, Liquids and how they can be separated. Solids have a fixed shape. Liquids take the shape of the container in which they are put in. Solids and liquids cannot be made smaller by squeezing. Filtering helps us separate insoluble materials from water. Evaporation happens when water seems to 'dry up'. Evaporation helps us separate soluble materials from water. 	 4E Friction Friction is a force which slows down moving objects. Friction can prevent stationary objects from moving. Objects are pulled towards the centre of the earth by a force of attraction called gravity. Weight is the force due to gravity. Water resistance slows an object moving through water. Air resistance is a force that slows objects moving through the air. 	 4F Circuits and Conductors Electricity travels through wires. A complete circuit allows electricity to flow. A bulb will not work if there is a break in the circuit. Switches can turn devices off and on. Drawings and diagrams are a useful way of representing circuits. Conductors let electricity go through them. Some materials are better conductors of electricity than others. Bulb brightness can be used to represent flow of electricity. (more bulbs large light)
					Changing the type of component can change the flow of electricity. Changing the size of the component can change the flow of electricity.

5A Keeping	5B Life Cycles	5C Gases around	5D Changing state	5E Earth, Sun and	5F Changing
Healthy		us		Moon	sounds.
An adequate and varied diet	Flowering plants reproduce	Evaporation happens when	Evaporation is when a	The sun appears to move	Different objects make
is beneficial to health.	fruits and seeds.	water seems to 'dry up'.	liquid turns to a gas.	and this causes shadows to	different sounds.
Healthy An adequate and varied diet is beneficial to health. Regular and varied exercise is beneficial to our health. When we exercise harder our muscles work harder. The heart is protected by the ribs. The heart pumps blood around the body. (heart beat, pulse, pulse rate, artery, vein and muscle) All medicines are drugs but not all drugs are medicines. Tobacco, alcohol and other 'drugs' can be harmful.	Flowering plants reproduce fruits and seeds. Plants make seeds which grow into new plants. The life cycle of flowering plants including pollination, fertilisation, seed production, seed dispersal and germination. E.g. sunflower The life cycle of an animal, insect and humans. E.g. butterfly, ladybird, frog, chicken, pig and humans.	 US Evaporation happens when water seems to 'dry up'. Evaporation helps us separate soluble materials from water. There are many gases and many of these are important. Gases are formed when liquids evaporate. Gases are different from solids and liquids, they do not maintain there shape and volume. Liquids and gases can flow. Identify and describe differences between a solid, liquid and gas. 	 Evaporation is when a liquid turns to a gas. Explain 'disappearance' of water in a range of situations as evaporation. Liquids other than water evaporate. Condensation is when a gas turns to a liquid. Condensation is the reverse of evaporation. Melting, freezing, condensing and evaporating are all changes of state which can be reversed. To interpret the water cycle in terms of the processes involved. 	MoonThe sun appears to move and this causes shadows to change.The sun, moon and earth are all spheres.The moon goes around the Earth in a month.The moon can be seen during the day because the suns rays reflect off the moon.The Earth and moon go around the sun in one year.The earth spins around its own axis in 24 hours, giving day and night.The sun rises in the East and sets in the West.(Sunrise and Sunset)The earths place in the solar system.Other planets differences and similarities.	sounds. Different objects make different sounds. Sounds can be made by shaking, scraping, plucking, tapping and blowing. Sounds travel away from their source. Sounds get fainter as they get further from the source. The loudness of a sound can be varied. Sounds can be high or low (pitched) Sounds are made when objects vibrate. Understand that not all objects can be seen to vibrate. Vibrations can travel through different materials. Changing the material, tension, thickness or length (of vibrating objects) can
				and similarities.	tension, thickness or length (of vibrating objects) can alter pitch.
				of all the planets that orbit our sun.	The ear is an organ of the body.
				solar system also consists of moons, comets, asteroids, minor planets, dust and gas.	There are three parts to the ear (the outer, inner and middle) The outer ear is the part that sticks out.

6A	6B Micro –	6C More about	6D Reversible and	6E Balanced and	6F How we see
Interdependence	organisms <u>(short</u>	dissolving	Irreversible	Unbalanced	things. <u>(short unit)</u>
and Adaptation	unit)		changes(short	Forces	<u> </u>
•			unit)		
Light, water and the correct temperature make plants grow well. Plants need nutrients to grow well – plant food. Different plants and animals live in different kinds of places. Rocks and soils can be different in different places. Rocks and soils can feel different. Plants make food: animals eat plants and other animals. Different habitats have different living conditions which need protection. Sieving helps us find out more about the sizes of the particles in soil. Some rocks and soils let water through better than others. The different living conditions found in different habitats suits some plants/animals more than others. Factors such as moisture, light level, soil type, temperature, shelter help to describe a habitat ad affect what live in it. Food chains describe what gets eaten in a habitat Most food chains begin with a	Dead things rot when tiny living organisms called microbes eat them. Some microbes are useful: some are dangerous. Microbes need warmth and moisture to grow. Micro-organisms are often to small to be seen. Make suggestions about observing food, bearing in mind the need for safety. Micro-organisms can cause food to decay. Food need to be handled and stored with care. Micro-organisms bring about decay Decay can be beneficial Micro-organisms which cause decay are living organisms. Micro-organisms feed and grow. Make suggestions about what yeast needs to grow. Make careful observations and compare these in order to draw conclusions about the effect of yeast on dough.	Solids which do not dissolve in water can be separated by filtering which is similar to sieving. When solids are dissolved a clear solution is formed (which may be coloured), the solid cannot be separated by filtering. When the liquid evaporates from a solution the solid is left behind. How can we help solids dissolve more quickly? When a solid is added to a liquid eventually no more will dissolve. Different masses of different solids can dissolve in the same volume of water. To present results in a block graph.	UIIIU That mixing materials can cause them to change. Filtering helps us separate insoluble materials from water. Solids that have been dissolved can be recovered by evaporating the liquid from the solution. Some changes that occur when materials are mixed cannot easily be reversed. Heating some materials can cause them to change. Cooling some materials can cause them change. Non-reversible changes result in the formation of new materials. Non-reversible changed produce useful materials. When materials are formed. To recognise the hazards and risks in burning materials.	The earth and objects are pulled towards each other; this gravitational attraction causes objects to have weight. Weight is a force and it is measured in Newton's. How far an elastic band is stretched depends on the force acting on it. When an object is submerged in water, the water provides an upward force (up thrust) on it. When an object floats, its weight acting downwards is balanced by the up thrust from the water. Unbalanced forces change the speed or direction of movement of an object. Air resistance is a force that slows objects moving through the air. When an object falls, air resistance acts in the opposite direction to the weight.	Light travels from a source. We can see light sources because the light from the source enters our eyes. A light from an object can be reflected by a mirror, the reflected light enters our eyes and we see the object. When a beam of light is reflected from a surface, its direction changes. Shiny surfaces reflect light better than dull surfaces. Identify factors which might affect the size and position of the shadow of an object. Recognise differences between shadows and 'reflections'. 6G Changing circuits. That the brightness of bulbs or speed of in a circuit can be changed. E.g. (by changing the voltage of the battery) Care needs to be taken when components in a circuit are changed to ensure bulbs/ do not burn out. There are conventional symbols for components in circuits. The brightness of bulbs in a a circuits.
Scon plant.	Micro-organisms are useful in food production				changing wires in a circuit.