Uplands Manor Primary School – Science long term overview



Reception	Autumn	Spring	Summer
Area of	- Our Body	- Rain, ice and water	- Animals: Insects and invertebrates
Learning -	Name and locate basic body parts, including – arms,	Understand that rain is water falling in drops from	
Understanding	legs, chest, hands, feet, eyes, nose, ears, mouth and	clouds in the sky and that ice is frozen water.	- Life Cycles: Chickens and eggs
the World	hair.	Understand that a river is a large natural flow of water	Understand that an egg is an oval shaped object laid by a female
	Recognise some of the ways in which our bodies	over land.	bird and that eggs hatch, allowing a baby bird to be born.
Aspect -	have changed since we were born.		Understand that female chicks grow to become mature chickens.
'The Natural		- Weather: Snow and melting	
World'	- Our Senses	Understand that a snowflake is a soft, white piece of	- Plants
	Name the human senses and say which part of the	frozen water that falls from the sky in cold weather.	Understand that plants are living things.
Knowledge The	body is associated with each sense.	Understand that melting is when a solid changes to a	Use key vocabulary linked to the process of planting a seed and
key facts that children need to	Explore ways to make sound.	liquid, when cold objects, such as snowflakes, become warmer.	growing a plant (pot, soil, seed, water, sunlight and plant).
know by the end	- Weather: Why does the air move?	Understand that cold is the opposite of hot and cool is	- Our diet and how to stay healthy
of the unit.	Understand that wind is the movement of large	the opposite of warm.	Understand that our diet is the food we eat and exercise is an
.,	amounts of air.	,,,	activity to keep our bodies feeling fit and full of energy (healthy,
			Understand that some food types are healthy whilst others are
	- Materials: Which materials act as a mirror?	- Forces: Which objects float/sink?	unhealthy.
	Understand the concept of a reflecting image.	Recognise that if something stays on top of the water, it	
	Recognise which materials are reflective and not	floats, and if something drops under the water, it sinks.	- Fruit and vegetables
	reflective.	Begin to make links between floating/sinking objects and	Identify and name common fruit and vegetables.
	Understand that reflective materials have smooth	the material(s) from which they are made.	Understand that some fruit and vegetables grow on trees/bushes
	surfaces.		and some grow underground.
		- Machines: Different types of transport	Understand that fruit and vegetable consumption is important for
	- Seasonal Change: Autumn and Winter	Name a variety of common transport types (including	maintaining a healthy diet.
	Observe change across the four seasons (Autumn and	bicycle, bus, aeroplane, lorry, car and horse) and explain	
	Winter focus).	its role.	- Seasonal Change: Winter and Spring
	Observe and describe weather associated with the		Observe change across the four seasons (Spring and Summer
	seasons (Autumn and Winter focus).	- Seasonal Change: Winter and Spring	focus).
		Observe change across the four seasons (Winter and	Observe and describe weather associated with the seasons
		Spring focus).	(Spring and Summer focus).
		Observe and describe weather associated with the	
		seasons (Winter and Spring focus).	
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	Year 1	Autumn		Spring	Summer
Knowledge	Knowledge The key facts that children need to know by the end of the unit.	- Animals, Including Humans (Human focus) - Senses Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	- Everyday Materials Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock. Describe the simple physical properties of a variety of everyday materials. Compare and group together a variety of everyday materials on the basis of their simple physical properties. - Seasonal Change Observe change across the four seasons (Autumn and Winter focus). Observe and describe weather associated with the seasons and how day length varies (Autumn and Winter focus).	- Plants Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. Identify and describe the basic structure of a variety of common flowering plants, including trees. - Seasonal Change Observe change across the four seasons (Winter and Spring focus). Observe and describe weather associated with the seasons and how day length varies (Winter and Spring focus).	- Animals, Including Humans (Animal focus) Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Identify and name a variety of common that are carnivores, herbivores and omnivores. Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets). - Seasonal Change Observe change across the four seasons (Spring and Summer focus). Observe and describe weather associated with the seasons and how day length varies (Spring and Summer focus).
Working Scientifically		Use senses to compare different textures, sounds, smells and flavours.	Perform simple tests to explore questions, for example: 'What is the best material for an umbrella?' Make tables or charts about the weather. Make displays of what happens in the world around them, including day length, as the seasons change.	Plant seeds and observe closely, perhaps using magnifying glasses, and comparing and contrasting familiar plants; describing how they were able to identify and group them, and draw diagrams showing the parts of different plants including trees. Keep records of how plants change over time, for example the leaves falling off trees and buds opening. Make tables or charts about the weather. Make displays of what happens in the world around them, including day length, as the seasons change.	Use observations to compare and contrast animals at first hand (Animal Man visitor?) or through videos and photographs, describing how to identify and group them; grouping animals according to what they eat. Make tables or charts about the weather. Make displays of what happens in the world around them, including day length, as the seasons change.

	Year 2	Autumn		Spring		Summer	
Knowledge	Knowledge The key facts that children need to know by the end of the unit. Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. Find out how the shapes of solid objects made from some materials can be changed by squashing bending, twisting and stretching. Knowledge The key facts that childred the suitability of a variety of everyday materials of things that have never been alive. Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other. Identify and name a variety of plants and animals in their habitats, including microhabitats 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.		Notice that animals, including humans, have offspring which grow into adults. Find out about and describe the basic needs of animals, including humans, for survival (water, food and air). Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.		- Plants Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.		
	Questioning	Explore the world around them	Explore the world around them	Explore the world around them	Explore the world around them	Explore the world around them	Explore the world around them
entifically	Investigating - pattern seeking - sorting & classifying - observing over time/observing closely - research	Use simple features to compare objects and materials and, with help, decide how to sort and group them.	Observe closely using simple equipment with help, ask people	Ask people questions and use find answers with guidance, left relationships.	e simple secondary sources to	Use simple features to com	oare plants and, with help, decide n. observe changes over time.
Working Scientifically	Testing - comparative testing - fair testing	Carry out simple comparative tests.				Carry out simple comparati	ve tests.

	Explaining Measuring & Data Handling Year 3	Talk about what they have found out and how they found it out use their observations and ideas to suggest answers to questions. Record simple data Autumn	Talk about what they have found out and how they found it out use their observations and ideas to suggest answers to questions. Record simple data	Talk about what they have found it out with help, they sommunicate their findings in to use simple scientific languary. Spring	should record and a range of ways and begin	Talk about what they have found out and how they found it out with help, they should record and communicate their findings in a range of ways and begin to use simple scientific language. Use simple measurements and equipment to gather data Summer - Light Recognise that they need light in order to see things and that dark is the absence of light. Notice that light is reflected from surfaces. Recognise that light from the sun can be dangerous and that there are ways to protect their eyes. Recognise that shadows are formed when the light from a light source is blocked by a solid object. Find patterns in the way that the size of shadows change. Predict whether two magnets will attract or repel each other, depending on which poles are facing.	
Knowledge	Knowledge The key facts that children need to know by the end of the unit.	on the basis of their appear properties. Describe in simple terms h things that have lived are	ther different kinds of rocks arance and simple physical now fossils are formed when trapped within rock. ade from rocks and organic	- Animals Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat. Identify that humans and some other animals have skeletons and muscles for support, protection and movement.	- Plants Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant. Investigate the way in which water is transported within plants. Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.		
	Questioning Investigating - pattern seeking	Raise their own relevant q around them. Talk about criteria for gro classifying.		Raise their own relevant questions about the world around them. Begin to look for naturally occurring patterns and	Raise their own relevant questions about the world around them. Begin to look for naturally occurring patterns and	Raise their own relevant questions about the world around them. Start to make their own decisions about the most	Raise their own relevant questions about the world around them. Make systematic and careful observations help to make decisions
Working Scientifically	- pattern seeking - sorting & classifying - observing over time/observing closely - research	ciussygnig.		relationships and decide what data to collect to identify them. Recognise when and how secondary sources might help them to answer questions that cannot be	relationships and decide what data to collect to identify them. Make systematic and careful observations to help make decisions about what observations to make, how	appropriate type of scientific enquiry they might use to answer questions.	about what observations to make, how long to make them for and the type of simple equipment that might be used.

		answered through practical investigations.	long to make them for and the type of simple equipment that might be used.		
Testing - comparative testing - fair testing	Set up simple practical enquiries and comparative tests.	Set up simple practical enquiries, comparative and fair tests	Set up simple practical enquiries, comparative and fair tests	Set up simple practical enquiries, comparative and fair tests	Set up simple practical enquiries, comparative and fair tests
Explaining	Use relevant simple scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences, including oral and written explanations, or presentations of results and conclusions.	Use relevant simple scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences, including oral and written explanations, or presentations of results and conclusions.	Use relevant simple scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences, including oral and written explanations, displays or presentations of results and conclusions. With help, pupils should look for changes, patterns, similarities and differences in their data in order to draw simple conclusions and answer questions.	Use relevant simple scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences, including oral and written explanations or presentations of results and conclusions.	Use relevant simple scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences, including oral and written explanations, displays or presentations of results and conclusions. With help, pupils should look for changes, patterns, similarities and differences in their data in order to draw simple conclusions and answer questions.
Measuring & Data Handling	Collect and record data from their own observations and measurements in a variety of ways: tables, drawings, labelled diagrams.	Take accurate measurements using standard units: cm & m.	Collect and record data from their own observations and measurements in a variety of ways: notes, bar charts and tables, standard units, drawings, labelled diagrams, keys and help to make decisions about how to analyse this data. With support, they should identify new questions arising from the data, making predictions for new values within or beyond the data they have collected and finding ways of improving what they have already done.	Collect and record data from their own observations and measurements in a variety of ways: notes, drawings, labelled diagrams.	Collect and record data from their own observations and measurements in a variety of ways: bar charts and tables, labelled diagrams. With support, they should identify new questions arising from the data.

	Year 4	Autumn	Spring		Summer	
	Knowledge The	- Living Things	- Changing States	- Electricity	- Sound	- Animals
Knowledge	key facts that children need to know by the end of the unit.	Recognise that living things can be grouped in a variety of ways. Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. Recognise that environments can change and that this can sometimes pose dangers to living things.	Compare and group materials together, according to whether they are solids, liquids or gases. Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C). Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.	Identify common appliances that run on electricity. Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery. Recognise that 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.	Identify how 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 produced it. Find patterns between the volume of a sound and the strength of the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.	Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions. Construct and interpret a variety of food chains, identifying producers, predators and prey.
	Questioning	Raise their own relevant questions about the world around them.	Raise their own relevant questions about the world around them.	Raise their own relevant questions about the world around them.	Raise their own relevant questions about the world around them.	Raise their own relevant questions about the world around them.
Working Scientifically	Investigating - pattern seeking - sorting & classifying - observing over time/observing closely	Talk about criteria for grouping, sorting and classifying; and use simple keys recognise when and how secondary sources might help them to answer questions that cannot be answered through practical investigations.	Make systematic and careful observations help to make decisions about what observations to make, how long to make them for and the type of simple equipment that might be used.	Talk about criteria for grouping, sorting and classifying; and use simple keys. Recognise when and how secondary sources might help them to answer questions that cannot be answered through practical investigations.	Make systematic and careful observations to help make decisions about what observations to make, how long to make them for and the type of simple equipment that might be used.	Recognise when and how secondary sources might help them to answer questions that cannot be answered through practical investigations. Start to make their own decisions about the most appropriate type of scientific enquiry they might use to answer questions. Talk about criteria for grouping, sorting and classifying; and use simple keys.

Testing		Set up simple practical	Set up simple practical	Set up simple practical	
- comparative testing		enquiries, comparative and fair tests.	enquiries, comparative and fair tests. Recognise when a simple	enquiries, comparative and fair tests. Recognise when a simple	
- fair testing			fair test is necessary and help to decide how to set it up.	fair test is necessary and help to decide how to set it up.	
Explaining	Use relevant simple scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences, including oral and written explanations, displays or presentations of results and conclusions.	Use relevant simple scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences, including oral and written explanations, or presentations of results and conclusions with help, pupils should look for changes, patterns, similarities and differences in their data in order to draw simple conclusions and answer questions.	Use relevant simple scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences, including oral and written explanations, displays or presentations of results and conclusions.	Use relevant simple scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences, including oral and written explanations, or presentations of results and conclusions with help, pupils should look for changes, patterns, similarities and differences in their data in order to draw simple conclusions and answer questions.	Use relevant simple scientific language to discuss their idea communicate their findings in that are appropriate for differ audiences, including oral and written explanations, displays presentations of results and conclusions.
Measuring & Data Handling	Collect and record data from their own observations and measurements in a variety of ways: notes, bar charts and tables, standard units, drawings, labelled diagrams, keys and help to make decisions about how to analyse this data.	Collect and record data from their own observations and measurements in a variety of ways: bar charts and tables, standard units, take accurate measurements using standard units: °C.	Collect and record data from their own observations and measurements in a variety of ways: notes, bar charts and tables, standard units, drawings, labelled diagrams, keys and help to make decisions about how to analyse this data.	Collect and record data from their own observations and measurements in a variety of ways: notes, bar charts and tables, standard units, drawings, labelled diagrams, keys and help to make decisions about how to analyse this data.	

	Year 5	Autumn	Spring		Summer	
Knowledge	Knowledge The key facts that children need to know by the end of the unit.	- Materials 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. Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating. Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic. Demonstrate that dissolving, mixing and changes of state are reversible changes. Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of	- Earth & Space Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Describe the movement of the Moon relative to the Earth. Describe the Sun, Earth and Moon as approximately spherical bodies. Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.	- Forces Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Identify the effects of air resistance, water resistance and friction, that act between moving surfaces. Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.	- Living Things Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. Describe the life process of reproduction in some plants and animals.	- Animals Describe the changes as humans develop to old age.
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	Questioning	Use their science experiences to explore ideas and raise different kinds of questions.	Use their science experiences to explore ideas and raise different kinds of questions.	Use their science experiences to explore ideas and raise different kinds of questions.	Use their science experiences to explore ideas and raise different kinds of questions.	Use their science experiences to explore ideas and raise different kinds of questions.
Working Scientifically	Investigating - pattern seeking - sorting & classifying - observing over time/observing closely - research	Use and develop keys and other information records to identify, classify and describe living things and materials, and identify patterns that might be found in the natural environment. Look for different causal relationships in their data and identify evidence that refutes or supports their ideas. Select and plan the most appropriate type of scientific enquiry to use to answer specific questions.	Recognise which secondary sources will be most useful to research their ideas and begin to separate opinion from fact.	Make their own decisions about what observations to make, what measurements to use and how long to make them for.	Use and develop keys and other information records to identify, classify and describe living things and materials, and identify patterns that might be found in the natural environment. Recognise which secondary sources will be most useful to research their ideas and begin to separate patterns that might be found in the	Research the gestation periods of other animals, comparing them with humans; by finding out and recording the length and mass of a baby as it grows.

				natural environment. Make their own decisions about what observations to make, what measurements to use and how long to make them for. Look for different causal relationships in their data and identify evidence that refutes or supports their ideas. Select and plan the most appropriate type of scientific enquiry to use	
Testing - comparative testing - fair testing	Recognise when and how to set up comparative and fair tests and explain which variables need to be controlled and why.		Recognise when and how to set up comparative and fair tests and explain which variables need to be controlled and why.	to answer.	
Explaining	Use relevant scientific language and illustrations to discuss, communicate and justify their scientific ideas. Use oral and written forms such as displays and other presentations to report conclusions, causal relationships and explanations of degree of trust in results. Identify scientific evidence that has been used to support or refute ideas or arguments.	Use relevant scientific language and illustrations to discuss, communicate and justify their scientific ideas. Use oral and written forms such as displays and other presentations to report conclusions, causal relationships and explanations of degree of trust in results. Identify scientific evidence that has been used to support or refute ideas or arguments.	Talk about how scientific ideas have developed over time.	Use relevant scientific language and illustrations to discuss, communicate and justify their scientific ideas.	Use relevant scientific language and illustrations to discuss, communicate and justify their scientific ideas. Use oral and written forms such as displays and other presentations to report conclusions, causal relationships and explanations of degree of trust in results. Identify scientific evidence that has been used to support or refute ideas or arguments.
Measuring & Data Handling	Decide how to record data and results of increasing complexity from a choice of familiar approaches: scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs. Use their results to make predictions and identify when further observations, comparative and fair tests		Decide how to record data and results of increasing complexity from a choice of familiar approaches: scientific diagrams and labels, classification keys,	Choose the most appropriate equipment to make measurements with increasing precision and explain how to use it accurately.	Research the gestation periods of other animals, comparing them with humans; by finding out and recording the length and mass of a baby as it grows.

	Year 6	Autumn		tables, scatter graphs, bar and line graphs. Use their results to make predictions and identify when further observations, comparative and fair tests might be needed. Spring	Take repeat measurements where appropriate. Summer	
Knowledge	Knowledge The key facts that children need to know by the end of the unit.	Recognise that light appears to travel in straight lines. Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye. Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes. Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.	- Electricity Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches. Use recognised symbols when representing a simple circuit in a diagram.	- Living Things Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals. Give reasons for classifying plants and animals based on specific characteristics.	- Animals Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. Describe the ways in which nutrients and water are transported within animals, including humans.	- Evolution & Inheritance Recognise that living things have 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 normally 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.
	Questioning	Use their science experiences to explore ideas and raise different kinds of questions.	Use their science experiences to explore ideas and raise different kinds of questions.	Use their science experiences to explore ideas and raise different kinds of questions.	Use their science experiences to explore ideas and raise different kinds of questions.	Use their science experiences to explore ideas and raise different kinds of questions.
Working Scientifically	Investigating - pattern seeking - sorting & classifying	Look for different causal relationships in their data and identify evidence that refutes or supports their ideas.	Make their own decisions about what observations to make, what measurements to use and how long to make them for.	Use and develop keys and other information records to identify, classify and describe living things and materials, and identify patterns that might be found in the natural environment. Look for different causal relationships in their data and identify evidence that refutes or supports their ideas.	Use and develop keys and other information records to identify, classify and describe living things and materials, and identify patterns that	look for different causal relationships in their data and identify evidence that refutes or supports their ideas recognise which secondary sources will be most useful to

- observing over		Recognise which	Recognise which secondary sources will be most useful to	might be found in the natural	Research their ideas and begin
time/observing		secondary sources will be	research their ideas and begin to separate opinion from	environment.	to separate opinion from fact.
closely		most useful to research	fact.	Look for different causal	
		their ideas and begin to		relationships in their data and	
- research		separate opinion from		identify evidence that refutes	
		fact		or supports their ideas.	
				Recognise which secondary	
				sources will be most useful to	
				research their ideas and begin	
				to separate opinion from fact.	
				Select and plan the most	
				appropriate type of scientific	
				enquiry to use to answer	
				scientific questions.	
Testing	Recognise when and	Recognise when and how		Recognise when and how to	
	how to set up	to set up comparative		set up comparative and fair	
- comparative	comparative and fair	and fair tests and explain		tests and explain which	
testing	tests and explain which	which variables need to		variables need to be controlled	
C :	variables need to be	be controlled and why.		and why.	
- fair testing	controlled and why.			-	
Explaining	Use relevant scientific	Use relevant scientific	Use relevant scientific language and illustrations to	Use relevant scientific	Use relevant scientific
	language and	language and illustrations	discuss, communicate and justify their scientific ideas.	language and illustrations to	language and illustrations to
	illustrations to discuss,	to discuss, communicate		discuss, communicate and	discuss, communicate and
	communicate and justify	and justify their scientific		justify their scientific ideas.	justify their scientific ideas.
	their scientific ideas.	ideas.		Use oral and written forms	Talk about how scientific ideas
	Talk about how	Use oral and written		such as displays and other	have developed over time.
	scientific ideas have	forms such as displays		presentations to report	,
	developed over time.	and other presentations		conclusions, causal	
		to report conclusions,		relationships and explanations	
		causal relationships and		of degree of trust in results.	
		explanations of degree of		Identify scientific evidence that	
		trust in results.		has been used to support or	
		Identify scientific evidence		refute ideas or arguments.	
		that has been used to		- 9	
		support or refute ideas or			
		arguments.			
Measuring &	Decide how to record	Use their results to make	Choose the most appropriate equipment to make	Decide how to record data	Decide how to record data
	data and results of	predictions and identify	measurements with increasing precision and explain how	and results of increasing	and results of increasing
Data Handling	increasing complexity	when further	to use it accurately. Take repeat measurements where	complexity from a choice of	complexity from a choice of
	from a choice of familiar	observations, comparative	appropriate.	familiar approaches: scientific	familiar approaches: scientific
	approaches: scientific	and fair tests might be		diagrams and labels,	diagrams and labels,
	diagrams and labels,	needed.		classification keys, tables,	classification keys, tables,
	classification keys,			scatter graphs, bar and line	scatter graphs, bar and line
	caussification keys,			graphs.	graphs.
				grapis.	grapiis.

tables, scatter graphs,		
bar and line graphs.		