

	Wath C of E Primary School; Progression in working scientifically							
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
Working Scientifically	To use the following practical scientific methods, processes and skills (adult support may be needed)	To use the following practical scientific methods, processes and skills with increasing confidence	To use the following practical scientific methods, processes and skills –	To use the following practical scientific methods, processes and skills –	To use the following practical scientific methods, processes and skills –	To use the following practical scientific methods, processes and skills –		
Knowledge:	• Ask simple questions.	Ask simple questions.	Ask relevant questions.	Ask relevant questions.	Ask relevant questions.	Ask relevant questions.		
Questioning,								
enquiring and								
planning.								
Skills:	-Can they think of a few simple questions to ask about the world around	-Can they ask simple questions about the world around us?	-Can they ask some relevant questions about the world around us?	-Can they ask relevant questions about the world around us?	-Can they begin to explore ideas and ask my own questions about scientific	-Can they explore ideas and ask their own questions about scientific		
Questioning,	us?				phenomena?	phenomena?		
enquiring and		-Can they suggest how	-Can they use different	-Can they explore	-Can they begin to plan	Can they plan different types		
planning.	-Can they answer some scientific questions?	-Can they use prompts	find something out?	different ways to test an idea and choose the best way, and give reasons?	different types of scientific enquiry to answer questions?	of scientific enquiry to answer questions?		
	-Can they give a simple reason for their answers?	to find things out? -Can they use information from books and online to find things out? -Can they explain why it might not be fair to compare two things?	<ul> <li>-Can they use some different types of scientific enquiry to answer questions?</li> <li>-Can they begin to decide which type of enquiry is best to answer their questions?</li> <li>-Can they make and record a prediction before testing?</li> <li>-Can they plan a fair test and explain why it was fair? (with support)</li> </ul>	<ul> <li>-Can they vary one factor whilst keeping the others the same in an experiment?</li> <li>-Can they explain why they do this?</li> <li>-Can they plan a fair test?</li> <li>-Can they make a prediction with reasons?</li> <li>-Can they use information to help make a prediction?</li> </ul>	Can they begin to decide which variables to control.	Can they decide which variables to control?		

Knowledge:	• Observe closely, using simple equipment.	• Observe closely, using simple equipment.	• Observe closely, using simple equipment.	• Observe closely, using simple equipment.	• Observe closely, using simple equipment.	• Observe closely, using simple equipment.
Observing,						
measuring and						
pattern seeking.						
Skills:	-I can talk about what I can see.	-I can observe changes over time.	-I can make systematic and careful observations.	-I can make systematic and careful observations.	-I can begin to take measurements with increasing precision and	-I can make accurate and precise measurements, taking repeat readings
Observing,	t ann ann athraite	-I can say what I am			accuracy.	where accurate and
measuring and	-I can use simple	looking for and what I am	-Begin to make own decision about what to observe and	-I can decide what to observe and how	-I can begin to identify	appropriate.
pattern seeking.	support.	-I can measure with	how long to collect observations.	long to collect observations.	patterns that might be found in the natural environment.	-I can interpret data and identify patterns that might
	-I can measure using non-standard units.	units and can begin to use simple	-I can take accurate measurements	measurements using standard units eg. mm,	-I can begin to interpret data.	environment.
	-l can notice some	m, ml, l , ºC	cm, m, ml, l, ºC, seconds, minutes.	I, ºC, seconds, minutes.	-I can decide what to observe, how long to	observe, how long to observe for and whether to
	support).	-i can use simple equipment eg hand lenses, egg timers. -l am beginning to notice	-Begin to learn how to use new equipment eg. data loggers (some support).	equipment to use and can use new equipment eg. data loggers.	-I can begin to make a set of observations and say what	repeat them. -I can make a set of observations and say what the interval and range are.
		- I am beginning to notice patterns.	-Begin to look for naturally occurring patterns and relationships (some support).	loggers. -I can look for patterns and relationships.	<ul> <li>observations and say what the interval and range are.</li> <li>-I can begin to take accurate and precise measurements using standard units N, g, kg, mm, cm, mins, seconds, cm<sup>2</sup>V, km/h, m per sec, m/ sec.</li> <li>-I can select equipment on my own and can explain how to use it accurately.</li> </ul>	<ul> <li>I can take accurate and precise measurements using standard units</li> <li>N, g, kg, mm, cm, mins, seconds, cm<sup>2</sup>V, km/h, m per sec, m/ sec.</li> <li>-I can select equipment on my own and can explain how to use it accurately.</li> </ul>

Knowledge: Investigating	Perform simple tests.	Perform simple tests.	• Set up simple, practical enquiries and comparative and fair tests.	• Set up simple, practical enquiries and comparative and fair tests.	• Set up simple, practical enquiries and comparative and fair tests.	• Set up simple, practical enquiries and comparative and fair tests.
Skills:	-I can test ideas suggested to me.	-I can use simple equipment provided to	-I can put forward own ideas about how to find	-With help, pupils begin to realise that scientific	-Use previous knowledge and experience combined	-I can describe evidence for a
Investigating	-I can say what I think will happen. -I can use first hand experiences to answer questions begin to compare some living things.	<ul> <li>aid observation.</li> <li>-I can compare objects, living things or events.</li> <li>-I can make observations relevant to my task.</li> <li>-I can begin to recognise when a test or comparison is unfair.</li> <li>-I can use first hand experiences to answer questions.</li> </ul>	<ul> <li>the answers to questions.</li> <li>-I can recognise the need to collect data to answer questions.</li> <li>-I can carry out a fair test with support.</li> <li>-I can recognise and explain why it is a fair test with help.</li> <li>- Pupils begin to realise that scientific ideas are based on evidence.</li> </ul>	<ul> <li>Ideas are based on evidence.</li> <li>Pupils can show in the way they perform their tasks how to vary one factor while keeping others the same.</li> <li>I can decide on an appropriate approach in my own investigations to answer questions.</li> <li>Pupils can describe which factors they are varying and which will remain the same and say why.</li> </ul>	with experimental evidence to provide scientific explanations. -I can recognise the key factors to be considered in carrying out a fair test.	scientific idea. -I can use scientific knowledge to identify an approach for an investigation explains how the interpretation leads to new ideas.

Knowledge: Recording and reporting findings.	<ul> <li>Use observations and ideas to suggest answers to questions.</li> <li>Gather and record data to help in answering questions.</li> </ul>	<ul> <li>Use observations and ideas to suggest answers to questions.</li> <li>Gather and record data to help in answering questions.</li> </ul>	<ul> <li>Make accurate measurements using standard units, using a range of equipment, e.g. thermometers and data loggers.</li> <li>Gather, record, classify and present data in a variety of ways to help in answering questions.</li> <li>Record findings using simple scientific language, drawings, labelled diagrams, bar charts and tables.</li> <li>Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>Use straightforward, scientific evidence to answer questions or to support their findings.</li> </ul>	<ul> <li>Make accurate measurements using standard units, using a range of equipment, e.g. thermometers and data loggers.</li> <li>Gather, record, classify and present data in a variety of ways to help in answering questions.</li> <li>Record findings using simple scientific language, drawings, labelled diagrams, bar charts and tables.</li> <li>Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>Use straightforward, scientific evidence to answer questions or to support their findings.</li> </ul>	<ul> <li>Make accurate measurements using standard units, using a range of equipment, e.g. thermometers and data loggers.</li> <li>Gather, record, classify and present data in a variety of ways to help in answering questions.</li> <li>Record findings using simple scientific language, drawings, labelled diagrams, bar charts and tables.</li> <li>Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>Use straightforward, scientific evidence to answer questions or to support their findings.</li> </ul>	<ul> <li>Make accurate measurements using standard units, using a range of equipment, e.g. thermometers and data loggers.</li> <li>Gather, record, classify and present data in a variety of ways to help in answering questions.</li> <li>Record findings using simple scientific language, drawings, labelled diagrams, bar charts and tables.</li> <li>Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>Use straightforward, scientific evidence to answer questions or to support their findings.</li> </ul>
Skills:	<ul> <li>-I can begin to collect simple data.</li> <li>-I can begin to record data in a table my teacher has provided</li> </ul>	I can collect simple data. I can record data in a table my teacher has provided.	I am beginning to collect data in a variety of ways, including labelled diagrams, bar charts and tables.	I can collect data in a variety of ways, including labelled diagrams, bar charts and tables.	I am beginning to record data and results of increasing complexity using – scientific diagrams and labels, classification kows, tables	I can record data and results of increasing complexity using – scientific diagrams and labels classification keys tablos bar graphs line
		I can communicate my	decide how to record data.	record data.	,bar graphs, line graphs.	graphs.

Recording and reporting findings. Knowledge: Identifying, grouping and classifying.	<ul> <li>I can begin to communicate my findings in a variety of ways.</li> <li>Identify and classify.</li> </ul>	findings in a variety of ways. • Identify and classify.	I am beginning to communicate findings using simple scientific language. • Identify differences, similarities or changes related to simple, scientific ideas and processes.	I can communicate findings using simple scientific language • Identify differences, similarities or changes related to simple, scientific ideas and processes.	I am beginning to choose how best to present data. I am beginning to communicate findings using detailed scientific language. • Identify differences, similarities or changes related to simple, scientific ideas and processes.	I can choose how best to present data. I can communicate findings using detailed scientific language. • Identify differences, similarities or changes related to simple, scientific ideas and processes.
Skills: Identifying, grouping and classifying.	I can begin to identify a variety of objects, materials and living things. I can begin to compare, sort and group a range of objects, materials and living things.	I can identify a variety of objects, materials and living things. I can compare, sort and group a range of objects, materials and living things	I am beginning to talk about and identify differences and similarities in the properties or behaviour of living things, materials and other scientific phenomena. I am beginning to identify simple changes related to simple scientific phenomena. I am beginning to discuss criteria for grouping and sorting and can classify using simple keys.	I can talk about and identify differences and similarities in the properties or behaviour of living things, materials and other scientific phenomena. I can identify simple changes related to simple scientific phenomena. I can discuss criteria for grouping and sorting and can classify using simple keys.	I am beginning to use keys and other information records to classify and describe living things, materials and other scientific phenomena. I am beginning to develop my own keys and other information records to classify and describe. I am beginning to identify changes related to scientific phenomena.	I can use keys and other information records to classify and describe living things, materials and other scientific phenomena. I can develop my own keys and other information records to classify and describe. I can identify changes related to scientific phenomena.
Knowledge: <b>Research</b>	To begin to use simple secondary sources to find answers. To begin to find information to help me from books and computers with help.	Use simple secondary sources to find answers. Can find information to help me from books and computers with help.	Begin to recognise when and how secondary sources might help to answer questions that cannot be answered through practical investigations.	Begin to recognise when and how secondary sources might help to answer questions that cannot be answered through practical investigations.	Begin to recognise which secondary sources will be most useful to research their ideas.	Recognise which secondary sources will be most useful to research their ideas.
Skills: Research	I can begin to find information to help me from books, computers and other familiar sources.	I can find information to help me from books, computers and other familiar sources.	I can begin to decide when research will help in my enquiry. I am beginning to carry out	I can begin to decide when research will help in my enquiry. I can carry out simple	I am beginning to recognise which secondary source will be most useful to my research.	I can recognise which secondary source will be most useful to my research.

			simple research on my own	research on my own	L can begin to carry out	I can carry out research
			simple research on my own.	research on my own.	research independently	independently
		-			research independently.	independentiy.
Knowledge:	Begin to talk about what	Talk about what they have	I am beginning to use results	Using results to draw simple	I am beginning to report and	Reporting and presenting
	they have found out and	found out and how they	to draw simple conclusions,	conclusions , make	present	findings from enquiries ,
	how they found it out.	found it out.	make predictions for new	predictions for new values,	findings from enquiries ,	including conclusions,
Conclusions			values, suggest	suggest	including conclusions, causal	causal relationships and
	To begin to say what	To say what happened in	improvements and raise	improvements and raise	relationships and	explanations
	happened in my	my investigation.	further questions.	further questions.	explanations of and degree	of and degree of trust in
	investigation.	To say whether I was			of trust in results, in oral and	results, in
		surprised at the results or	I am beginning to use	Use straightforward	written forms such as	oral and written forms such
	To begin to say whether	not.	straightforward	scientific evidence to answer	displays and other	as displays and other
	I was surprised at the		scientific evidence to answer	questions or	presentations.	presentations.
	results or not.	To say what I would	questions or to support my	to support their findings.	P	P
		change about my	findings			Identify scientific evidence
	To begin to say what I	investigation		With help look for changes	Begin to identify scientific	that has been used to
	would change about my	investigation	Lam beginning to see a	natterns similarities and	evidence that has been used	support or refute ideas
	invostigation		nattorn in my rosults	differences in their data in	to support or refuto ideas or	or arguments
	investigation.		pattern in my results.	order to draw simple	arguments	or arguments.
					arguments.	Drew an elucione based on
			fam beginning to say what i	conclusions and answer	Build to day and share	Draw conclusions based on
			found	questions.	Begin to draw conclusions	their data and observations,
			out, linking cause and		based on their data and	use evidence to justify their
			effect.	With support, identify new	observations, use	ideas, use scientific
				questions arising from the	evidence to justify their	knowledge and
				data, make new predictions	ideas, use scientific	understanding to explain
				and find ways of improving	knowledge and	their findings.
				what they have already	understanding to explain	
				done.	their findings.	Use test results to make
						predictions to set up further
				Can see a pattern in my	Begin to use test results to	comparatives and
				results.	make predictions to set up	fair tests.
					further comparatives and	
				Can say what I found out.	fair tests.	Look for different causal
				linking cause and effect.		relationships in their data
				5	Begin to look for different	and identify evidence that
				Can say how I could make it	causal relationships in their	refutes or supports their
				hetter	data and identify evidence	ideas
				better	that refutes or supports	lucus.
				Can answer questions from	their ideas	Use their results to identify
				what I have found out	then lacas.	when further tests and
				what i have found out.	Liso their results to identify	observations are needed
					when further tests and	
					when further tests and	Compared a minimum former
					observations are needed.	Separate opinion from
						таст.
					Begin to separate opinion	
					from fact.	Can draw conclusions and
						identify scientific evidence.

					Begin to draw conclusions and identify scientific evidence.	Can use simple <b>models.</b> Know which evidence proves a scientific point. Use test results to make predictions to set up further comparative and fair tests.
Skills:	I can begin to talk about what I have found out.	I can talk about what I have found out.	I am beginning to draw simple conclusions based on	l can draw simple conclusions	I am beginning to draw scientific, causal conclusions	I can draw scientific, causal conclusions using the results
Conclusions	I can begin to explain how I carried out my enquiry. I can begin to suggest simple changes to my enquiry.	I can explain how I carried out my enquiry. I can suggest simple changes to my enquiry.	<ul> <li>the results of my enquiry.</li> <li>I am beginning to answer my questions using the results of my enquiry.</li> <li>I am beginning to use my findings to make new predictions, suggest improvements and think of new questions.</li> <li>I am beginning sometimes to think of cause and effect in my explanations.</li> </ul>	based on the results of my enquiry. I can answer my questions using the results of my enquiry. I can use my findings to make new predictions, suggest improvements and think of new questions. I can begin to think of cause and effect in my explanations.	using the results of an enquiry to justify my ideas I am beginning to explain my conclusion using scientific knowledge and understanding. I am beginning to distinguish opinion and facts. I am beginning to use my findings to make predictions and set up further enquiries. I can begin to use abstract models to explain my ideas.	of an enquiry to justify my ideas. I can explain my conclusion using scientific knowledge and understanding. I can distinguish opinion and facts. I can use my findings to make predictions and set up further enquiries. I can begin to use abstract models to explain my ideas.

Progression in science							
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Biology	Plants	Plants	Plants	Plants	Plants	Plants	
Knowledge	<ul> <li>1.Identify and name a variety of common plants, including garden plants, wild plants and trees and those classified as deciduous and evergreen.</li> <li>2.Identify and describe the basic structure of a variety of common flowering plants, including roots, stem/trunk, leaves and flowers.</li> </ul>	<ol> <li>1.Observe and describe how seeds and bulbs grow into mature plants.</li> <li>2.Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</li> </ol>	<ol> <li>Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.</li> <li>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.</li> <li>Investigate the way in which water is transported within plants.</li> <li>Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</li> </ol>				
Skills (ARE)	<ol> <li>1. Given a group of images/ plant names children to classify them into a table wild/ garden.</li> <li>1. Explain the difference between a deciduous and evergreen tree.</li> <li>1. Show a picture of a tree with no leaves on-</li> </ol>	<ol> <li>1.Observations are made of how seeds and bulbs grow into mature plants and, with support, this process can be described.</li> <li>2.The conditions required for plants to</li> </ol>	1. Generally, the functions of different parts of flowering plants are identified and described, e.g. the roots absorb water from the soil to feed the plant, the stem helps to support the plants, the leaves use sunlight to provide the plant with energy and the flower helps the plant to reproduce.				

	children to infer what season it is and explain why/ how they know. 2.The basic structure of a variety of common flowering plants, including roots, stem/trunk, leaves and flowers, is identified and described (with no words given).	grow and stay healthy (food, water, air, warmth and light) are identified and described.	<ol> <li>2. Generally, the requirements of plants for life and growth, and how these vary from plant to plant are identified and explored.</li> <li>3. Generally, the way in which water is transported within plants is investigated.</li> <li>4. The role of flowers in the life cycle of flowering plants, including pollination, seed formation and seed dispersal, is explored.</li> </ol>		
Skills (GD)	<ol> <li>Design a garden for home or school-which plants/trees would they use and why?</li> <li>To make a poster/ IT page that the teacher can use to show the parts of a plant/tree and what they are like.</li> </ol>	<ol> <li>Explain why some plants need to grow from a bulb.</li> <li>Apply knowledge in context or in related contexts e.g Animals need water and the right temperature to survive like plants.</li> <li>Plants make food in their leaves and give out oxygen which we need to breathe</li> <li>Even bulbs start off by growing from seeds.</li> <li>Explanations are beginning to be offered for changes in living things, e.g. light or water altering plant growth.</li> <li>Apply knowledge in</li> </ol>	<ol> <li>The function of other parts of flowering plants begin to be described, e.g. stamen, style, stigma, anther, filament, ovary, etc.</li> <li>Explain/ prove what factors effect plant growth e.g the amount of light, amount of water</li> <li>Independently investigate and prove ways to speed up pollination with own flowers.</li> </ol>		

		other contexts and create links to other areas of the curriculum <i>e.g</i> We need to look after plants in our environment because they make oxygen and food that we need. Plants are important because all animals need oxygen and plants are the beginning of every food chain.				
Biology	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Animals, including humans	Animals, including humans	Animals, including humans	Animals, including humans	Animals, including humans	Animals, including humans
Knowledge	<ol> <li>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals</li> <li>Identify and name a variety of common animals that are carnivores, herbivores and omnivores.</li> <li>Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)</li> <li>Identify, name, draw and label the basic parts of the human body and</li> </ol>	<ol> <li>Notice that animals, including humans, have offspring which grow into adults.</li> <li>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).</li> <li>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</li> </ol>	<ol> <li>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.</li> <li>Identify that humans and some other animals have skeletons and muscles for support, protection and movement.</li> </ol>	<ol> <li>Describe the simple functions of the basic parts of the digestive system in humans.</li> <li>Identify the different types of teeth in humans and their simple functions.</li> <li>Construct and interpret a variety of food chains, identifying producers, predators and prey.</li> </ol>	1. Describe the changes as humans develop to old age.	<ol> <li>Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</li> <li>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.</li> <li>Describe the ways in which nutrients and water are transported within animals, including humans.</li> </ol>

	say which part of the body is associated with each sense.					
Skills (ARE)	<ol> <li>Generally, some common animals that are birds, fish, amphibians, reptiles, mammals and invertebrates are identified and named.</li> <li>Generally, living things can be sorted into groups with justification as to why they have been placed into these groups.</li> <li>A variety of common animals that are carnivores, herbivores and omnivores are identified and named.</li> <li>Generally, the structure of a variety of common animals, e.g. spine, tail, fur, wings, is described. These structures can then be compared.</li> <li>Use a simple diagram of a human body children to circle and label body parts they know.</li> </ol>	<ol> <li>The changes as young animals, including humans growing into adults are described.</li> <li>The basic needs of animals, including humans, for survival are investigated and described.</li> <li>Generally, the importance for humans of exercise, eating the right amounts of different types of food and hygiene is described.</li> <li>key areas: identify and classify Observing over time Not seen: research, pattern seeking, comparative testing</li> </ol>	<ol> <li>Generally, the terms 'nutrition' and a 'balanced diet' are understood. Generally, the fact that animals, including humans, need the right types and amounts of nutrition is identified.</li> <li>Generally, the fact that humans and some animals have skeletons and muscles for support, protection and movement is identified.</li> </ol>	<ol> <li>The simple functions of the parts of the digestive system in humans, e.g. mouth, oesophagus, liver, stomach, small intestine, large intestine and rectum, are described and identified.</li> <li>Generally, the different types of teeth in humans, e.g. molars, incisors and canines, and their simple functions, are identified. Generally, it is recognised that: canines are used for tearing and ripping food, incisors are to help bite off and chew pieces of food and molars are to help crush and grind food.</li> <li>A range of food chains are constructed or interpreted. The terms predator and prey are used correctly.</li> </ol>	1. Generally, the changes as humans develop from birth to old age are explained, using appropriate terminology.	<ol> <li>Generally, the main parts of the human circulatory system are identified and named, and the functions of the heart, blood vessels and blood, including the pulse and clotting, are explained.</li> <li>Scientific names are used for some major organs of body systems and the position of these in the human body can be located.</li> <li>Generally, there is a good understanding on the impact of diet, exercise, drugs and lifestyle on the body's major organs.</li> <li>Generally, there is a good understanding of water absorption, the circulatory system, sweating and urination.</li> </ol>
Skills (GD)	1. Common animals are classified as birds, fish, amphibians, reptiles, mammals and invertebrates independently.	1. The changes as young animals, including humans growing into adults are described well using scientific vocabulary <i>e.g explain</i>	1. Without support, the terms 'nutrition' and a 'balanced diet' are understood. The reasons why humans need the right types and amounts	<ol> <li>Explain what can go wrong with the digestive system e.g hiccups/ vomiting.</li> <li>Explain/ justify why being vegetarian is better for the environment.</li> </ol>	1. The changes that take place as humans develop from birth to old age are explained in depth with appropriate terminology and examples given. <i>E.g</i> <i>can chn compare the life</i>	Apply knowledge in other contexts and create links to other areas of the curriculum <i>e.g The</i> <i>circulatory system is like</i> <i>an electrical circuit where</i> <i>the heart is a battery.</i>

Biology	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	All living things and	All living things and	All living things and	All living things and	All living things and	All living things and
	their habitat	their habitat	their habitat	their habitat	their habitat	their habitat
Knowledge		<ol> <li>Explore and compare the differences between things that are living, dead, and things that have never been alive.</li> <li>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.</li> <li>Identify and name a variety of plants and animals in their habitats, including microhabitats.</li> <li>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</li> </ol>		<ol> <li>Recognise that living things can be grouped in a variety of ways.</li> <li>Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.</li> <li>Recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ol>	<ol> <li>Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.</li> <li>Describe the life process of reproduction in some plants and animals.</li> </ol>	<ol> <li>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.</li> <li>Give reasons for classifying plants and animals based on specific characteristics.</li> </ol>
Skills (ARE)		1 .Identify and compare the differences between things that are		1. Reasons are given for classifying plants and animals based on specific	<ol> <li>The life cycles common to a variety of animals, including humans (birth,</li> </ol>	<ol> <li>Broad groups are identified and used to classify living things. The</li> </ol>
		living, that are dead and		characteristics. Animals	growth, development,	terminology of similarities, differences,

	<ul> <li>that have never been alive.</li> <li>2. Identify suitable habitats of animals and plants and how they depend on each other.</li> <li>3. Plants and animals are identified and named. Animal's habitats are identified and described (including micro-habitats).</li> <li>4. Simple food chains are described.</li> </ul>	are classified as predator and prey. 2. A variety of living things in the local and wider environment are identified and named, using classification keys/ branch diagrams (e.g. taxonomic titles, features, habitats) to assign them to groups. 2. Vertebrate animals are begun to be put into groups, e.g. fish, amphibians, reptiles, birds and mammals; invertebrates into groups, e.g. snails and slugs, worms, spiders and insects; and plants into groups, e.g. flowering plants, including grasses, and nonflowering plants into groups, e.g. ferns and mosses. 3. It is recognised that environments are constantly changing and that this can sometimes pose dangers to specific habitats.	reproduction and death) are described. 2. The life processes of reproduction in some plants and animals are described.	micro-organisms and animals is generally used when describing groups. 2. Suggestions are given as to how to classify plants and animals, with reasons given for the classification.
Skills (GD)	<ol> <li>Is a flame alive? How do you know? Prove it.</li> <li>Explain and give examples why a pond would be a good habitat for a fish <i>e.g because it</i> <i>can move/use its</i> <i>senses/find food/respire</i> <i>in a pond</i>.</li> </ol>	<ol> <li>Plants and animals are not the only living things. There are fungi and bacteria too. Prove it.</li> <li>How are birds similar to reptiles? Research, prove it. (<i>Birds are similar</i> to reptiles because birds</li> </ol>	1.There is a sound understanding and good knowledge of all basic life processes. Without support, the life cycles common to a variety of animals, including humans (birth, growth, development,	<ol> <li>Board groups to identify and classify living things are fully understood and used appropriately.</li> <li>Reasons for classifying plants and animals are explained and justified.</li> </ol>

		<ol> <li>Apply concepts- explain how habitats can be affected by humans.</li> <li>Explain where an animal might live and why.</li> <li>Apply concepts- What would happen to a food chain if one kind of animal dies?</li> </ol>		evolved from dinosaurs, which were reptile). 2. Can chn classify living things in other ways? (e.g We could classify these living things a different way e.g. land, water, air). 3. How can habitat loss affect humans? (e.g Habitat loss can have affect humans because it can damage the air quality or affect our food supply).	reproduction and death) are described. Can chn compare the life cycles with the most and fewest parts? 2. Independently, the life processes of reproduction in some plants and animals are described. Can chn plan their own investigation and try to grow new plants from different part of a parent plant (e.g seeds, stem, root cuttings?)	
Biology	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Evolution and	Evolution and	Evolution and	Evolution and	Evolution and	Evolution and
	inheritance	inheritance	inheritance	inheritance	inheritance	inheritance
Knowledge						<ol> <li>Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.</li> <li>Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.</li> <li>Identify how animals and plants are adapted to suit their environment in different ways and that</li> </ol>

			adaptation may lead to
Skills (ARE)			 1.There is an
			understanding that living
			things have changed over
			time. Examples are given
			to describe living things
			that inhabited the Earth
			millions of years ago.
			2. It is recognised that
			offspring of the same
			kind, but that normally
			offspring vary and are not
			identical to their parents.
			3. Good examples of how
			different animals and
			plants are suited to
			different environments
			are given. There is an
			adaptation may lead to
			evolution.
Skills (GD)			2. Apply knowledge-
			Which type of animal is
			offspring? (e.g. A well-
			camouflaged animal is
			less likely to be
			eaten so more likely to
			have more offspring).
			3. Demonstrate many
			examples that explain
			how different
			environments suit
			different animals and

						<ul> <li>plants. The theory of evolution is explained in basic terms.</li> <li>3. Speculate about the adaptations life would need elsewhere in the universe <i>e.g. on Jupiter</i>.</li> <li>How could human behaviour have an impact of the survival, extinction or evolution of organisms?</li> </ul>
Chemistry	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Everyday Materials	Uses of everyday	Rocks	States of Matter	Properties and	Everyday Materials
		materials			changes of materials	
Knowledge	<ol> <li>Distinguish between an object and the material from which it is made.</li> <li>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.</li> <li>Describe the simple physical properties of a variety of everyday materials.</li> <li>Compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ol>	<ol> <li>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</li> <li>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ol>	<ol> <li>Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.</li> <li>Describe in simple terms how fossils are formed when things that have lived are trapped within rock.</li> <li>Recognise that soils are made from rocks and organic matter.</li> </ol>	<ol> <li>Compare and group materials together, according to whether they are solids, liquids or gases.</li> <li>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).</li> <li>Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.</li> </ol>	<ol> <li>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.</li> <li>Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.</li> <li>Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.</li> </ol>	

					1 Cive reasons based on	
					4. Give reasons, based on	
					comparative and fair	
					tests for the particular	
					uses of evendov	
					uses of everyday	
					materials, including	
					E Domonstrato that	
					5. Demonstrate that	
					dissolving, mixing and	
					changes of state are	
					reversible changes.	
					6. 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 soda.	
Skills (ARE)	1. There is an ability to	1. The uses of a variety	1. Different kinds of rocks	1. Materials are	1. Everyday materials are	
	distinguish between an	of everyday materials,	are grouped together and	compared and grouped	grouped together and	
	object and the material	including wood, metal,	compared on the basis of	together according to	compared based on	
	from which it is made,	plastic, glass, brick/rock	their simple physical	whether they are solids,	evidence from	
	with some corrections if	and paper/cardboard,	properties, e.g. soft,	liquids or gases.	comparative and fair	
	needed.	are identified and	hard, permeable,		tests.	
	2. A variety of everyday	compared.	impermeable.	2. It is observed that	2. It is understood how	
	materials are identified	<u> </u>		some materials change	some materials dissolve	
	and named through	2. There is an ability to	2. There is an ability to	when they are heated or	in liquid to form a	
	observations.	tind out how the shapes	describe in simple terms	cooled and the	solution, and how to	
	3. The simple physical	of solid objects made	how fossils are formed	temperature at which	recover a substance from	
	properties, e.g. strength,	from some materials	when things that have	this happens is measured	a solution can be	
	flexibility and	can be changed.	lived are trapped within	in degrees Celsius. This	described. The terms	
	transparency, of a		sedimentary rock.	builds on the teaching in	'soluble' and 'insoluble'	
	variety of everyday			mathematics.	are used accurately.	
	materials are described.		3. Soils are generally		3. Knowledge of solids,	
	4. A variety of everyday		described accurately as	3. The four main stages of	liquids and gases is used	
	materials are grouped		being made of rocks and	the water cycle are	to decide how mixtures	
	and compared on the		organic matter.	understood and the part	might be separated,	

	basis of their simple physical properties, using appropriate vocabulary.			played by evaporation, condensation and precipitation in the water cycle is identified. Generally, the rate of evaporation is associated with temperature.	including through filtering, sieving and evaporating. Knowledge is used to explain, for example, the water cycle. 4. Reasons are given, based on evidence from tests, for particular uses of everyday materials including metals, wood and plastic. 5. It is demonstrated that dissolving, mixing and changes of state are reversible changes. 6. Knowledge of reversible changes is used to make predictions about whether changes are reversible or not. It is understood 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, oxidisation and the action of acid on bicarbonate of soda	
Skills (GD)	-Can chn begin to	-Why can some colours	1. Independently.	1. Materials are	soda. -Design an everyday item	
עש) אוואנ	distinguish between natural objects and those that are made (e.g This twig is natural, this lolly stick has been made).	of paint be mixed? (because they are not waterproof). -Do chn understand that materials can be	different kinds of rocks are grouped together and compared on the basis of their physical properties. 2. The way in which fossils are formed is described	independently and accurately grouped and compared according to their state of matter. 3. The four main stages of the water cycle are	<ul> <li>(oven glove, pan standbased on the properties it would need.</li> <li>-Can chn plan their own investigation or think of other examples of</li> </ul>	

-Can chn begin to explain	solids, liquids, gases and	and explained	understood	irreversible changes? (E.g	
why it would/ wouldn't	air?	independently.	independently and this	vinegar and bicarbonate	
be a good idea to make		3. The composition of	process can be	soda).	
an object out of a certain	-Do chn understand	soils are described and	articulated and explained		
material (e.g a metal	that objects can be	understood. There is	clearly and accurately.	Apply knowledge to	
chair would be hard and	made out of more than	some awareness that	Without support, the part	other contexts:	
not comfy).	one material and	different proportions of	played by evaporation		
	therefore have multiple	rock and organic matter	and condensation in the	- Anglo Saxon houses did	
-Apply knowledge- Do	properties. Could chn	give rise to different soil	water cycle is identified,	not have windows	
chn understand that	investigate the strength	types.	and the rate of	because they had not	
water is also a material	of paper bags? ( <i>e.g</i>		evaporation is associated	invented glass. Glass can	
and that materials can	Paper bags are made of	Apply key concepts:	with temperature.	let light in while keeping	
be liquid and runny? Can	strong paper. Some			heat inside.	
chn investigate this?	have a waterproof	-Could chn apply key	Apply key concepts:	-Strong and light	
	coating).	concepts to create their		materials like carbon	
		own rock? (e.g crayon	-Can chn plan and carry	fibre can make safe but	
	-Why are the tyres of	rocks).	out their own experiment	fuel efficient cars.	
	bikes made of rubber?		with varying melting	- The lead of a pencil has	
	(because it is	-Could chn plan and carry	points of foodstuffs e.g	low conductivity so it	
	flexible). Why is this	out their own experiment	(Do healthy foods melt	can be used as a variable	
	property important for	on how to erode rocks?	quicker/ slower?)	resistor.	
	a bike?			- The water from our taps	
			-How could we get	has been filtered to make	
			washing to dry faster?	it clean.	
				- Sugar dissolves quicker	
				in hot tea than cold	
				water.	
				-Vinegar reacting with	
				bicarbonate of soda,	
				burning and rusting form	
				new materials.They are	
				chemical reactions.	

Physics	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
(separate topics)	Seasonal Changes			Sound	Earth and Space	
Knowledge	<ol> <li>Observe changes across the four seasons.</li> <li>Observe and describe weather associated with the seasons and how day length varies.</li> </ol>			<ol> <li>Identify how sounds are made, associating some of them with something vibrating.</li> <li>Recognise that vibrations from sounds travel through a medium to the ear.</li> <li>Find patterns between the pitch of a sound and features of the object that produced it.</li> <li>Find patterns between the volume of a sound and the strength of the vibrations that produced it.</li> <li>Recognise that sounds get fainter as the distance from the sound source increases.</li> </ol>	<ol> <li>Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.</li> <li>Describe the movement of the Moon relative to the Earth.</li> <li>Describe the Sun, Earth and Moon as approximately spherical bodies.</li> <li>Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.</li> </ol>	
Skills (ARE)	<ol> <li>Changes across the four seasons are observed and discussed.</li> <li>The weather associated with the seasons and the variation in day length is observed and described</li> </ol>			<ol> <li>The way in which sounds are made is identified and some of them are associated with something vibrating.</li> <li>The word vibrations is used to describe how sounds travel through various media to the ear.</li> </ol>	<ol> <li>The movement of the Earth relative to the Sun in the solar system is described.</li> <li>The movement of the Moon relative to the Earth is described.</li> </ol>	

			<ol> <li>Patterns are found between the pitch of a sound and features of the object that produced it.</li> <li>Patterns are found between the volume of a sound and the strength of the vibrations that produced it.</li> <li>Generally, the rule 'the greater the distance, the fainter the sound' is used and understood.</li> </ol>	<ol> <li>The Sun, Earth and Moon are described as approximately spherical bodies.</li> <li>The idea of the Earth's rotation is used to explain day and night.</li> </ol>	
Skills (GD)	<ol> <li>The changes across the four seasons are observed and discussed independently, and a clear explanation can be given as to how the four seasons in the UK occur.</li> <li>Without support, the weather associated with the seasons and the variation in day length is observed and described.</li> </ol>		Apply knowledge: -Do chn understand that sound is energy so the more energy you put into making the sound, the louder it can be? - Do chn understand that sound travels in solids, liquids and gases because the particles vibrate. It travels fastest in solids because the particles are closer together? -Sounds cannot travel in space because there is no air. -Why do bats use very high pitched sounds? (to locate their prey) - Megaphones, speaking tubes and ear trumpets	Apply knowledge: -Can chn create working models of key diagrams (e.g earth orbiting the sun, the moon orbiting the earth).	

				can amplify sounds but making the vibrations all go in one direction.		
Physics	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			Forces and Magnets		Forces	
Knowledge			<ol> <li>Forces and Magnets</li> <li>1. Compare how things move on different surfaces.</li> <li>2. Notice that some forces need contact between two objects, but magnetic forces can act at a distance.</li> <li>3. Observe how magnets attract or repel each other and attract some materials and not others.</li> <li>4. Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials.</li> <li>5. Describe magnets as having two poles.</li> <li>6. Predict whether two magnets will attract or repel each other,</li> </ol>		<ul> <li>Forces</li> <li>1. Explain that <ul> <li>unsupported objects fall</li> <li>towards the Earth</li> <li>because of the force of</li> <li>gravity acting between</li> <li>the Earth and the falling</li> <li>object.</li> </ul> </li> <li>2. Identify the effects of <ul> <li>air resistance, water</li> <li>resistance and friction</li> <li>that act between moving</li> <li>surfaces.</li> </ul> </li> <li>3. Recognise that some <ul> <li>mechanisms, including</li> <li>levers, pulleys and gears</li> <li>allow a smaller force to</li> <li>have a greater effect.</li> </ul> </li> </ul>	
			poles are facing.			
Skills (ARE)			1. The term friction is used to describe how things move on different surfaces.		<ol> <li>It is explained that unsupported objects fall towards the Earth because of the force of</li> </ol>	

		2. It is noticed that some	gravity acting between	
		forces need contact	the Earth and the falling	
		between two objects and	object.	
		some forces act at a	2. The effect of drag	
		distance. (E.g. it is	forces, such as air	
		observed that magnetic	resistance, water	
		forces can act without	resistance and friction	
		direct contact, unlike	that acts between	
		most forces, where direct	moving surfaces, is	
		contact is necessary, e.g.	identified. Falling objects	
		opening a door or	begin to be explored and	
		pushing a swing.)	questions are raised	
		3.The way in which	about the effects of air	
		magnets attract or repel	resistance. Generally, the	
		each other and attract	effects of air resistance	
		some materials and not	are explored by	
		others is observed.	observing how different	
		4. A variety of everyday	objects such as	
		materials are compared	parachutes and sycamore	
		and grouped together on	seeds fall.	
		the basis of whether they	3. Good explanations of	
		are attracted to a	the effects of	
		magnet. Some magnetic	mechanisms in terms of	
		materials are identified.	force and effort are	
		5. The term poles is	given.	
		generally used to		
		describe magnets.		
		6. The term poles is used		
		to help explain		
		predictions as to whether		
		magnets will attract or		
		repel each other.		
Skills (GD)		2. Questions begin to be	Apply knowledge in	
/		asked about forces that	context or in related	
		make things begin to	contexts e.g:	
		move, get faster or slow	-There is gravity in space;	
		down.	it causes planets	
		3. The way in which	to orbit the sun.	
		magnets attract or repel	-The more weight we put	
		each other is explained.	on the spinner, the	

			<ul> <li>5. The term poles is fully understood and used without prompt to describe magnets.</li> <li>6. The rule that like poles repel and opposite poles attract is used fluently to explain predictions as to whether magnets will attract or repel each other.</li> </ul>		faster it will fall. -Because air resistance depends on speed, it is not important to be an aerodynamic shape when walking. -Wheelbarrows and hammers are examples of levers.	
Physics	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				Electricity		Electricity
Knowledge				<ol> <li>Identify common appliances that run on electricity.</li> <li>Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.</li> <li>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.</li> <li>Recognise that a switch opens and closes a circuit and associate this</li> </ol>		<ol> <li>Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.</li> <li>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.</li> <li>Use recognised symbols when representing a simple circuit diagram.</li> </ol>

		with whether or not a	
		lamp lights in a simple	
		series circuit.	
		5. Recognise some	
		common conductors and	
		insulators, and associate	
		metals with being good	
		conductors.	
Skills (ARF)		1. All common electrical	1. The brightness of a
		appliances are named	lamp or the volume of a
		and described as battery.	buzzer is associated with
		solar or mains powered.	the number and voltage
		2. The terms cells, wires.	of cells used in the
		bulbs, switches and	circuit.
		buzzers are used to	2. With reminders,
		describe simple circuits	comparisons are made
		that have been	and reasons are given for
		constructed	variations in how
		independently.	components function,
		3. It is identified whether	including the brightness
		or not a lamp will light in	of bulbs, the loudness of
		a simple series circuit and	buzzers and the on/off
		this is based on whether	position of switches.
		or not the lamp is part of	3. Generally, most
		a complete loop with a	recognised symbols are
		battery.	used appropriately.
		4. It is recognised that a	
		switch opens and closes a	
		circuit and this is	
		associated with whether	
		or not a lamp lights in a	
		simple series circuit.	
		5. Some common	
		conductors and insulators	
		are recognised, and	
		metals are associated	
		with being good	
		conductors.	

Skills (GD)				<ol> <li>Without support, a more complex series electrical circuit is constructed.</li> <li>Without support, it is recognised that a switch opens and closes a circuit and this is associated with whether or not a lamp lights in a simple series circuit. A simple circuit is represented in a diagram using recognised symbols.</li> <li>A wide variety of conductors and insulators are independently recognised and metals are associated with being good conductors.</li> </ol>		1. Independently, the brightness of a lamp or the volume of a buzzer is associated with the number and voltage of cells used in the circuit.
Physics	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			Light			Light
Knowledge			<ol> <li>Recognise that they need light in order to see things and that dark is the absence of light.</li> <li>Notice that light is reflected from surfaces.</li> <li>Recognise that light from the sun can be dangerous and that there are ways to protect their eyes.</li> <li>Recognise that shadows are formed when the light from a</li> </ol>			<ol> <li>Recognise that light appears to travel in straight lines.</li> <li>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.</li> <li>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.</li> </ol>

		light source is blocked by		
		a solid object		1 Use the idea that light
				travels in straight lines to
		5 Find natterns in the		explain why shadows
		5. The patterns in the		have the same share as
		way that the size of		the shiests that east
		snadows changes.		the objects that cast
				them.
Skills (ARE)		1. Generally, accurate		1. Generally, it is
		descriptions of how light		recognised that light
		is required in order to see		appears to travel in
		are given. It is		straight lines.
		understood that dark is		2. The idea that light
		the absence of light.		travels in straight lines is
		2. Generally, accurate		used to explain that
		descriptions of how light		objects are seen because
		is required in order to see		they give out or reflect
		are given. It is		light into the eyes.
		understood that dark is		3. Generally, there is a
		the absence of light.		good understanding of
		3. Generally, it is		how we see. Explanations
		understood that the light		and diagrams are used to
		from the sun can be		describe the process.
		dangerous and some		4. Generally, the idea that
		basic ways of protecting		light travels in straight
		the eves are understood.		lines is used to explain
		4. Shadows are associated		why shadows have the
		with a light source being		same shape as the
		blocked by something		objects that cast them.
		and patterns are found		The size of shadows is
		that determine the size		predicted when the
		of shadows.		position of the light
		5 There is a general		source changes
		awareness that the		source changes.
		intensity distance of light		
		source angle and object		
		causing the shadow are		
		factors in the size and		
		shape of shadows		
		5 Eluont ovnlanations		4 The experience of light
Skills (GD)		describing intensity		4. The experience of light
		describing intensity,		is beginning to be

	distance, angle and	extended by looking at a
	object, along with	range of phenomena,
	evidence from	including rainbows,
	experiments are used to	colours on soap bubbles,
	explain patterns in the	objects looking bent in
	way that the size of	water, and coloured
	shadows change.	filters.
	Apply knowledge in other	Apply knowledge in other
	contexts:	contexts:
	-Opticians look through	-You only see reflections
	our pupils to see	of objects in a puddle or a
	whether the reting looks	lake when there is no
	healthy.	wind so the surface is
	-Some people wear	smooth like a mirror
	alasses because the lens	When it is windy the light
	in their eve is not good	roflasts in many different
	enough.	directions
	-M/bito light is a mixturo	ullections.
		-You cannot see around a
	of all the colours.	corner because light only
	-Rainbows nappen when	traveis in straight lines.
	rain splits up the	
	white light.	-Investigate retraction;
		create own experiment,
		carry it out and explain
		findings using key
		vocabulary.

WT- a basic depth of learning (name, describe, recall, match, list, label, arrange, define, memorise).

- ARE- (relate, separate, infer, interpret, identify patterns, organise, classify, predict, compare, explain, use evidence).
- GD- deeper learning (design, synthesise, apply concepts, create, prove).
- GD- http://www.jbprimaryscience.co.uk/assessment

lesson plan ideas https://www.stem.org.uk/primary-science

## **Bloom's Taxonomy Verbs**

	Taxonomy Level	Related Verbs (Useful for writing learning objectives)
Highe Orde	r Creating	create, invent, make, compose, design, construct, imagine, plan, produce, develop, combine
	Evaluating	evaluate, consider, recommend, judge, criticize, summarize, justify, assess, rate, decide
	Analysing	analyse, compare, classify, sort, point out, distinguish, categorize, select, choose, examine
	Applying	apply, use, solve, show, organize, generalize, produce, choose, complete
	Understanding	explain, discuss, predict, outline, match, rewrite, give examples, express, summarise
Lowe Orde	r r Remembering	name, describe, list, write, define, memorize, label, identify, locate, recite, state, recognise

## BLOOMS TAXONOMY

