

Four Areas of Disciplinary and Substantive Knowledge which Underpin St Stephen's CofE First School Science Curriculum

The assessment framework is structured according to the specific knowledge of scientific enquiry. It is followed by the substantive concepts related to the three different scientific disciplines children will encounter as they become more experienced in scientific study. In upper KS2, the terms biology, chemistry and physics are used explicitly, supporting children to make disciplinary links between what they are studying and prior learning. This framework is designed to inform how we plan for children to improve year by year and assess how well they are improving.

	Scientific enquiry and investigation	Our curriculum enables pupils to get better at developing enquiry questions and conducting scientific investigations.			
During the primary years, children develop the skills required to apply their growing knowledge to practical investigations. They ask and refine questions, explore the substance of their questions through experimentation and investigation, becoming increasingly systematic and accurate as they do so. They record their findings, drawing on their observations to develop explanations. They learn to evaluate how they have gone about their investigation so that they can improve the quality of their work. As they progress, children study the work of selected scientists to understand the contribution to the growth of human knowledge and to the quality of human life which scientists have made, to build their knowledge of the scientific method of enquiry and to understand how scientists grapple with dilemmas as they look to find better answers to fundamental questions.					
Ŷ	Foundations of Biology Our curriculum enables pupils to get better at observing, describing, explaining and understanding the life processes of organisms.				
kinds og Childre learn th	f life are there?", "How do living things survive n observe and study the diversity of living thin nat all living things adapt to their environment	ree 'big questions' which are fundamental to their understanding of biology and life sciences: "What and grow?" and "What makes life go on?" gs, building their knowledge of characteristics and classification of the animal and plant kingdoms. They s and that change, and diversity happens as a result of evolution. They observe and study the life val and reproduction, and the factors which affect healthy life cycles.			
	Foundations of Chemistry	Our curriculum enables pupils to get better at observing, describing, explaining and understanding the properties of materials and how they can be changed.			
materia Childre of the a	During the primary years, children begin to address two 'big questions' which are fundamental to their understanding of chemistry and the science of materials: "What are materials made from?" and "How can the form of materials change?" Children investigate different materials and their properties, and how materials are selected and created to suit their purpose. They develop understanding of the action of change of temperature on how materials change and change their state. They observe and study how reversible change differs from non-reversible change.				
Į J	Foundations of PhysicsOur curriculum enables pupils to get better at observing, describing, explaining and understanding forces, energy, the composition of the Earth and its planetary properties.				
phenon "How d	During the primary years, children begin to address five 'big questions' which are fundamental to their understanding of physics and the study of natural phenomena: "What makes objects move?", "What is the effect of energy?", "How can forces be changed and controlled?", "What is the Earth made from?" and "How does the Earth's position in the solar system dictate its climate and conditions for life?" Children observe, describe and begin to explain manifestations of fundamental laws of physics relating to forces and energy: the motion of objects, the action				



of magnetic force, simple electrical circuits, how light travels and behaves and how sound is created and travels. Children investigate rocks and soils and learn about the structure of the Earth's surface. They study the position of the Earth in the solar system, explaining the phenomena of day and night, seasonal change and the phases of the Moon.

		Getting better at	Scientific enquiry t developing enquiry quest			stigations.
Formulate questions	Nursery Show curiosity whilst exploring the natural world around them. Ask questions to familiar adults what they have have found or observed.	Reception Ask questions about the natural world around them. Ask questions about what they have found or observed.	Y1 Ask questions about living things,materials, movement and change they observe in their own environment. Ask people questions and use simple secondary sources to findpossible answers to their questions.	questions they of Devise simple hy predictions.		Y4 Draw on prior knowledge and observations to devise a working hypothesis and probable outcomes. Use the results of their investigations to refine theirscientific questions and make decisions about how toimprove future investigations. Explain how they have used secondary sources to inform thequestions they have developed.
Observe	Be confident to choose what they want to explore and what equipment will they need to carry out their plans	Select what to observe, and whatequipment they need to help them notice. Look for, notice and describesimilarities and differences		their observatio findings. Describe what p	ons arecareful and syste	nt they need and plan how to ensure matic, and how they will record their ey notice and how these may be linked ssify what they observe.
Carry out tests	Make choices and explore different resources and materials. Feel confident about coming up with their own ideas.	Plan and think about how they will explore or play with objects Review their process as they try to achieve a goal	Formulate ways to test an idea.	whatcould stay could change. Take appropriat	ple test, identifying the same and what te measurements of change, checking for	Identify constants and variables, and the control variablewithin a fair test. Explain and justify decisions made in setting up and carryingout a comparative and fair test. Use appropriate equipment to measure accurately in standard units.



Record and communicate findings	Mark making to communicate observations	Early writing skills and mark making to communicate observations Draw pictures to record their observations	Explain what they have noticedand how they went about theirenquiry. Create simple representations of what they have done. Record changes they have observed.	Describe the test they have carried out -its purpose and method. Suggest an answer to their enquiryquestion based on what they have observed. Present information in the form of simple diagrams, tables and graphs.	Plan and write a scientific record of an investigation - its aim and hypothesis, variables and constants, equipment safety and method, diagrams, tables and graphs, an explanation of results and conclusion. Evaluate the success and accuracy of an investigation, identifying what elements needed to be repeated or alteredto improve
Studying how scientists work	Use the work of scie own obse		Retell narratives of what specific scientists have done to find out more about their field of enquiry.	Describe the work of a specific scientistand how this work has helped to explainmore about their field of enquiry.	validity. Describe the work of a specific scientist or group of scientists, how this work linked to the work of other scientists in their field of enquiry and how this work has hadan impact on people's lives. Identify how the work of a specific scientist demonstratesthe scientific method of enquiry.



	Foundations of Biology Progression in observing, describing, explaining and understanding the life processes of organisms					
How qo lixing animals Jdentify differ animals Jdentify living within the emans Josef Josef	ReceptionrentIdentify living things within the environment e.g. plants, trees.this rironmentIdentify different 	Y1 Identify and describethe characteristics of familiar plants. Group animals in different ways according to their class, diet and main characteristics. Identify the five senses in animals and describe them inrelation to the sensory organs of the human body.	Y2 Compare and describe survival needs of animals and plants to grow and stay healthy. Describe the life cycles of animals andplants. Identify and explain how characteristics of their habitats support the survival of living things.	Y3 Describe the parts of a flowering plant, and explain how water is transported in plants. Compare and describe the diets of living things. Describe the need fora balanced diet and its effect on human health. Identify similarities and differences between skeletal structures in animals.	Y4 Use classification keysto group and identify living things according to their class and main characteristics. Identify and describe the functions of the basic parts of the human digestive system. Identify and describe the simple function of different teeth in humans. Identify and construct simple food chains. Identify and describe how changes to habitats can impact on living things.	



What makes life go on?	Explain what helps humans, animals and plants thrive.	Explain the life cycled a flowering plant, including pollination, seed production and different forms of see dispersal.	
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Foundations of Chemistry Progression in observing, describing, explaining and understanding the properties of materials and how they can be changed.

	Nurson	Decention	Y1	Y2	Y3	Y4
What are things made from?	Nursery Talk about what materials different objects are made from. Select different materials for a purpose.	Reception Talk about and identify what materials different objects are made from. Select different materials for a purpose. Explain that purpose and why they have chosen it.	Identify objects which are made from natural products and those which are synthetic. Describe and group objects according to the materials from which they are made. Describe observable properties of natural and synthetic materials.	Describe and explain how the properties of natural and synthetic materials are suited totheir use.	13	14
How can form change?	Observe processes of change in the environment e.g. ice forming over night and then melting.	Observe processes of change in the environment e.g. ice forming over night and melting Explain what we could do to encourage a change of state. Describe what happens when these materials are changed.		Describe how the shape of some different solid materials can be changed.		Compare and classify materials according to whether they are solids, liquids or gases at room temperature. Describe how change in temperature causes materials to change state and the effect of the rate of change on materials. Describe and explain the changes of state of water as part of the water cycle.



	Foundations of Physics (1) Progression in observing, describing, explaining and understanding forces, energy, the composition of the Earth and its planetary properties.						
	Nursery	Reception	KS1	Y3	Y4		
What makes objects move andstop moving?	Explore mechanisms through play e.g. moving vehicles in varying scales. Large vehicles, small vehicles. Explore how to change movement of familiar objects.	Explore mechanisms through play and how objects move. Discuss how objects can be stopped from moving Explore how to change movement of familiar objects and explain why.	Observe and describe the movement of familiar objects and how the movement can change.	Describe and explain the action of a magnetic force. Identify and classify materials according to theirmagnetic properties.			
How does energy make things happen?	Explore how light can be changed. Observe shadows in the environment e.g. outside in the sunshine and inside on the light box. Explore how sounds can be changed.	Define what light and dark means. Explore and explain what happens when light changes. Experiment with shadows and changing shape/size. Change the sounds of different instruments for a purpose		Describe and classify natural and artificial different light sources. Describe how light can reflect differently off different surfaces and how light can pass through different materials. Describe and explain how a shadow is formed and how the size of shadows can change.	Identify and describe how different kinds of vibrationscreate a range of sounds. Describe and explain how the human ear processes vibrations to hear sound. Describe and explain factors that affect how we hear sound. Construct and name the component parts of a simple electrical circuitwired in series.		



forces be ed and olled?	ways we can make our toys move.	Explain how we can make our toys move and how we can adapt this.	Describe how they can activate and control the actions of a simple mechanism.	Describe and explain the circumstances required for an electrical circuit to be complete and the function of a switch.
How can 1 change contro				Identify and describe the properties of common electrical conductors and insulators.



{J	Foundations of Physics (2) Progression in observing, describing, explaining and understanding forces, energy, the composition of the Earth and its planetary properties.						
	Nursery	Reception	KS1	Y3	Y4		
What is the Earth made from?				Describe and classify different types of rock. Describe and explain the difference between sedimentary and igneous rocks. Describe and explain the components of different types of soil. Describe how fossils are formed.			
How does the position of the Earth in the solar system dictate its climate and the conditions for life?	Explore seasonal changes on the natural world around them. Identify weather patterns in the natural world around them.	Explore different countries on Earth and their difference in climate. Understand that some coutries are warm and some countries are cold. Identify features that tell us this country is either hot or cold	Describe how weather changesaccording to the seasons. Describe how the amount of daylight varies according to theseasons.				



How learning in the Early Years Foundation Stage provides the range of experiences and a secure knowledge base, on which the KS1 curriculum in Science builds.

Planning for the curriculum and children's learning in the Early Years Foundation Stage uses the elements of the EYFS statutory framework rather than the subject disciplines of the National Curriculum. This planning is supported by the use of the non-statutory Development Matters guidance.

The EYFS curriculum starts with the child's experience in their family and in their immediate environment. The content of the curriculum is often guided by teachers in response to children's interests and planning needs to take account of the balance between deliberate teaching and spontaneous learning driven by curiosity and purpose.

Children's experiences and learning which, once they are in KS1, can be thought of as typical of work in Science may in Early Years draw upon all the areas of learning - Communication and Language, Personal Social and Emotional Development, Physical Development, Literacy, Mathematics, Understanding the World and Expressive Arts and Design. There will be a strong connection between what children achieve in what is called Understanding the World and what they will develop in KS1 in Science, but developmental learning for children in EYFS is not linear, it proceeds in a web of multiple strands. For example, the development of the language associated with movement and position, and that of length, weight and capacity which will be a strong feature of children observing change in the natural world and the behaviour of objects in their play do not feature in the end of EYFS assessment statements for Understanding the World, but reflect aspects of Mathematics. Similarly, the foundational knowledge about hygiene, nutrition and healthy diets is outlined in Personal, Social and Emotional Development rather than what could be read as scientific elements of Understanding the World.

In our schools, the experiences children gain across the EYFS curriculum are rich in opportunities to investigate and explore their environment, to speculate and make choices to support their ideas, and to articulate their thinking within their play and within structured activities. The way in which the curriculum is designed and experienced by the children supports the development of the characteristics of effective learning in EYFS: playing and exploring, active learning and creating and thinking critically. These are foundational to what lies at the centre of the subject discipline of Science: close observation of the natural world, curiosity in their play and in their handling of objects and materials, asking questions, watching how things happen and change and wondering why this is so, and describing what they see, hear and feel.

Examples of a range of activities, planned with reference to Development Matters, enable children typically, across a range of contexts,

- To explore the natural world around them, describing what they see, hear and feel whilst outside;
- To observe the effect of the weather and of changing seasons on the natural world around them;
- To plant seeds and care for growing plants, recognising the key features of the life cycle of a plant;
- To recognise key features of the life cycle of animals;
- To begin to understand the need to respect and care for the natural environment and all living things;
- To explore how things work and move, and talk about different forces they can feel;
- To observe and talk about the differences between materials and changes they notice.

All of these experiences and knowledge gained provide a secure foundation for what they will encounter in Science in KS1 and beyond.



At the end of Nursery						
Scientific enquiry and investigation	Foundations of Biology	Foundations of Chemistry	Foundations of Physics			
 Show curiosity whilst exploring the natural world around them. Ask questions to familiar adults what they have have found or observed. Make choices and explore different resources and materials. Feel confident about coming up with their own ideas. Mark making to communicate observations. Be confident to choose what they want to explore and what equipment will they need to carry out their plans Make choices and explore different resources and materials. Feel confident about coming up with their own ideas 	Identify different animals. Identify living this within the environment around them. Observe different kinds of life. Make healthy choices about food, drink, activity and toothbrushing. Observe the life cycles of a plant, chick and butterflies.	Talk about what materials different objects are made from. Select different materials for a purpose. Observe processes of change in the environment e.g. ice forming over night and then melting.	 Explore mechanisms through play e.g. moving vehicles in varying scales. Large vehicles, small vehicles. Explore how to change movement of familiar objects. Explore how light can be changed. Observe shadows in the environment e.g. outside in the sunshine and inside on the light box. Explore how sounds can be changed. Explore seasonal changes on the natural world around them. Identify weather patterns in the world around them. 			



At the end of Reception						
Scientific enquiry and investigation sk questions about living things, materials, novement and change they observe in their own pyironment and in their play.	Foundations of Biology Know and talk about the different factors that	Foundations of Chemistry Talk about and identify what materials different objects are made from.	Foundations of Physics Observe and talk about movement of familiar objects			
nvironment and in their play. sk people questions to find possible answers to heir questions. bserve and select what equipment is needed. otice and describe similarities and ifferences. hink of ways to achieve a desired outcome. ecall what has happened and how they achieved hat outcome. reate simple representations of observations. ecall specific scientists and what we have learned for them.	support their overall health and well being. Describe familiar plants. Observe life cycles and contribute to making these thrive.	Select different materials for a purpose and explain why they have chosen to use it.	in play. Observe and make comments about the changing weather and seasons. Explore day light and shadows.			



At the end of Year One					
Scientific enquiry and investigation	Foundations of Biology	Foundations of Chemistry	Foundations of Physics		
Ask questions about living things, materials, movement and change they observe in their own environment and in their play. Ask people questions and use simple secondary sources to find possible answers to their questions. Select what to observe, and what equipment they need to help them. notice. Look for, notice and describe similarities and differences. Formulate ways to test an idea. Explain what they have noticed and how they went about their enquiry. Create simple representations of what they have done. Record changes they have observed. Retell narratives of what specific scientists have done to find out more about their field of enquiry. (Throughout Year)	Identify and describe the characteristics of familiar plants. (Spr1/Sum2) Group animals in different ways according to their class, diet and main characteristics. (Aut2/Spr2) Identify the five senses in animals and describe them in relation to the sensory organs of the human body. (Spr 2)	Identify objects which are made from natural products and those which are synthetic. Describe and group objects according to the materials from which they are made. Describe observable properties of natural and synthetic materials. (Sum1)	Observe and describe the movement of familiar objects and how the movement can change. (DT- Mechanisms Aut 1) Describe how they can activate and control the actions of a simple mechanism. (DT- Mechanisms Aut 1) Describe how weather changes according to the seasons. (Aut1) Describe how the amount of daylight varies according to the seasons. (Aut1)		

At the end of Year Two					
Scientific enquiry and investigation Make links between different scientific questions they ask.	Foundations of Biology Compare and describe survival	Foundations of Chemistry Describe and explain how the	Foundations of Physics Observe and describe the		
 Devise simple hypotheses and predictions. Select secondary sources which may help them develop answers to their questions. Select what to observe, what equipment they need and plan how to ensure their observations are careful and systematic, and how they will record their findings. Describe what patterns and changes they notice and how these may be linked to their hypotheses. Sort, group and classify what they observe. Carry out a simple test, identifying what could stay the same and what could change. Take appropriate measurements of variables which change, checking for accuracy. Describe the test they have carried out - its purpose and method. Suggest an answer to their enquiry question based on what they have observed. Present information in the form of simple diagrams, tables and graphs. Describe the work of a specific scientist and how this work has helped to explain more about their field of enquiry. 	needs of animals and plants to grow and stay healthy. Describe the life cycles of animals and plants. Identify and explain how characteristics of their habitats support the survival of living things. (Aut/Spr Term)	<pre>properties of natural and synthetic materials are suited to their use. Describe how the shape of some different solid materials can be changed. (Sum Term)</pre>	 movement of familiar objects and how the movement can change. Describe how they can activate and control the actions of a simple mechanism. Describe how weather changes according to the seasons. Describe how the amount of daylight varies according to the seasons. (Year 1) 		



At the end of Year Three				
Scientific enquiry and investigation	Foundations of Biology	Foundations of Chemistry	Foundations of Physics	
 Make links between different scientific questions they ask. Devise simple hypotheses and predictions. Select secondary sources which may help them develop answers to their questions. Select what to observe, what equipment they need and plan how to ensure their observations are careful and systematic, and how they will record their findings. Describe what patterns and changes they notice and how these may be linked to their hypotheses. Sort, group and classify what they observe. Carry out a simple test, identifying what could stay the same and what could change. Take appropriate measurements of variables which change, checking for accuracy. Describe the test they have carried out - its purpose and method. Suggest an answer to their enquiry question based on what they have observed. Present information in the form of simple diagrams, tables and graphs. Describe the work of a specific scientist and how this work has helped to explain more about their field of enquiry. (Throughout Year) 	Describe the parts of a flowering plant, and explain how water is transported in plants. (Sum 2) Compare and describe the diets of living things. (Aut 2) Describe the need for a balanced diet and its effect on human health. (Aut 2) Identify similarities and differences between skeletal structures in animals. (Aut 2) Explain the life cycle of a flowering plant, including pollination, seed production and different forms of seed dispersal. (Sum 2)		Describe and explain the action of a magnetic force.Identify and classify materials according to their magnetic properties. (Sum 1)Describe and classify natural and artificial different light sources.(Spr 1)Describe how light can reflect differently off different surfaces and how light can pass through different materials. (Spr 1)Describe and explain how a shadow is formed and how the size of shadows can change.(Spr 1)Describe and classify different types of rock.(Aut 1)Describe and explain the difference between sedimentary and igneous rocks.(Aut 1)Describe and explain the components of different types of soil. (Spr 2)Describe how fossils are formed. (Spr 2)	

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At the end of Year Four					
Scientific enquiry	F	oundations of	Foundations of		
and investigation		Biology	Chemistry	Physics	
Draw on prior knowledge and observations to devise a working hyprobable outcomes. Use the results of their investigations to refine their scientific quake decisions about how to improve future investigations. Explain how they have used secondary sources to inform the que have developed. Select what to observe, what equipment they need and plan how their observations are careful and systematic, and how they will findings. Describe what patterns and changes they notice and how these r to their hypotheses. Sort, group and classify what they observe. Identify constants and variables, and the control variable within Explain and justify decisions made in setting up and carrying out comparative and fair test. Use appropriate equipment to measure accurately in standard ur Plan and write a scientific record of an investigation - its aim an variables and constants, equipment safety and method, diagram graphs, an explanation of results and conclusion. Evaluate the success and accuracy of an investigation, identifyin elements needed to be repeated or altered to improve validity. Describe the work of a specific scientist or group of scientists, he linked to the work of a specific scientist demonstrates the sc method of enquiry. (Throughout Year)	group a things a class ar charact (Aut1) Identify function of the h system. (Spr2) May be linked a fair test. t a fair test. t a hits. a g what ow this work d how this	ssification keys to nd identify living according to their ad main eristics. and describe the ns of the basic parts auman digestive	Compare and classify materials according t whether they are soli liquids or gases at roo temperature. (Aut2) Describe how change temperature causes materials to change s and the effect of the of change on materia (Aut2)	Identify and describe how different kinds of vibrations create a range of sounds. (Sum 1/2)Describe and explain how the human ear processes vibrations to hear sound. (Sum 1/2)state(Sum 1/2)rateDescribe and explain hear sound. (Sum 1/2)rateConstruct and name the component parts of a	



At the en	d of Year Five		
Scientific enquiry and investigation	Foundations of Biology	Foundations of Chemistry	Foundations of Physics
Draw on prior knowledge and observations to devise a working hypothesis and probable outcomes.	Identify similarities and differences in the life cycles of different living	Compare and classify materials according to their physical properties -	Describe and explain the action of gravity on objects.
Use the results of their investigations to refine their scientific questions and make decisions about how to improve future investigations.	things. Describe and explain the	hardness, solubility, transparency, conductivity and magnetic attraction.	Describe and explain the effects of friction and
Explain how they have used secondary sources to inform the questions they have developed. (Earth & Space)	stages of the human life cycle.	(Costal erosion)	resistance on a moving object.
Select what to observe, what equipment they need and plan how to ensure their observations are careful and systematic, and how they will record their findings. (Costal erosion)	Describe and explain some of the main changes which take place during puberty in humans.	Describe and explain how solids can be separated from liquids. (Costal erosion)	Describe and explain how a mechanism can allow a small force to have a greater effect.
Describe what patterns and changes they notice and how these may be linked to their hypotheses. Sort, group and classify what they observe.	Describe and explain the life processes and	Describe and explain how some solids dissolve into liquids and how solids can	Describe the movement the Earth and the planet
Identify constants and variables, and the control variable within a fair test. (Costal erosion)	reproduction in some animals and plants.	be recovered from a solution. (Costal erosion)	of the solar system relative to the Sun. (Earth & Space)
Explain and justify decisions made in setting up and carrying out a comparative and fair test. (Costal erosion)		Describe and explain ways in which reversible changes	Describe the movement the Moon relative to the
Use appropriate equipment to measure accurately in standard units.		and non-reversible changes are different.	Earth. (Earth & Space)
Plan and write a scientific record of an investigation - its aim and hypothesis, variables and constants, equipment safety and method, diagrams, tables and graphs, an explanation of results and conclusion.		(Costal erosion) Describe and explain the formation of a new	Describe how the Earth' rotation explains day and night.
Evaluate the success and accuracy of an investigation, identifying what elements needed to be repeated or altered to improve validity. (Costal erosion)		material. (Costal erosion)	(Earth & Space)
Describe the work of a specific scientist or group of scientists, how this work inked to the work of other scientists in their field of enquiry and how this work has had an impact on people's lives.			
Identify how the work of a specific scientist demonstrates the scientific method of enquiry.			



At the end of Year Six			
Scientific enquiry	Foundations of	Foundations of	Foundations of
and investigation	Biology	Chemistry	Physics
Draw on prior knowledge and observations to devise a working hypothesis and probable outcomes. Use the results of their investigations to refine their scientific questions and	Give reasons for the classification of living things based on specific characteristics.		Describe and explain how light travels and how objects are seen.
make decisions about how to improve future investigations.			Describe and explain how
Explain how they have used secondary sources to inform the questions they have developed.	Describe and explain the way that nutrients and water are transported in animals including humans.		alterations in an electrical circuit affects the outputs.
Select what to observe, what equipment they need and plan how to ensure their observations are careful and systematic, and how they will record their findings.	Describe and explain the main parts of the human circulatory system.		
Describe what patterns and changes they notice and how these may be linked to their hypotheses. Sort, group and classify what they observe.	Describe and explain the impact of diet, drugs and		
Identify constants and variables, and the control variable within a fair test.	exercise and lifestyle on the functions of the human body.		
Explain and justify decisions made in setting up and carrying out a comparative and fair test.	Describe and explain how characteristics are passed		
Use appropriate equipment to measure accurately in standard units.	down in living things between adult and offspring.		
Plan and write a scientific record of an investigation - its aim and hypothesis, variables and constants, equipment safety and method, diagrams, tables and graphs, an explanation of results and conclusion.	Describe and explain how living things have adapted and evolved over time.		
Evaluate the success and accuracy of an investigation, identifying what elements needed to be repeated or altered to improve validity.			
Describe the work of a specific scientist or group of scientists, how this work linked to the work of other scientists in their field of enquiry and how this work has had an impact on people's lives.			
Identify how the work of a specific scientist demonstrates the scientific method of enquiry.			



(The effect of exercise on the brain)		
(Capillary action)		
(The effect of microorganisms on food)		

