



Kexborough Primary School : Curriculum Planning

Science : Year 2

The principal focus of science teaching in Key Stage 1 is to enable p and humanly-constructed world around them. They should be end helped to <u>develop their understanding of scientific ideas</u> by using <u>observing changes</u> over a period of time, <u>noticing patterns</u> , <u>group</u> <u>out</u> using <u>secondary sources</u> of information. They should begin to <u>communicate their ideas</u> to a range of audiences in a variety of we <u>hand practical experiences</u> , but there should also be some use of <u>scientifically' is described separately in the programme of study</u> . <u>substantive science content in the programme of study</u> . Through be linked to specific elements of the content. Pupils should <u>read a</u> reading and spelling knowledge at key stage 1	pupils to <u>experience</u> and <u>observe phenomena</u> , looking more closely ouraged to <u>be curious</u> and <u>ask questions</u> about what they <u>notice</u> . T <u>different types of scientific enquiry</u> to <u>answer their own questions</u> ing and <u>classifying</u> things, carrying out <u>simple comparative tests</u> , an use <u>simple scientific language</u> to talk about what they have <u>found</u> of ays. Most of the learning about science should be done through the <u>appropriate secondary sources</u> , such as books, photographs and vio but <u>must always be taught through and clearly related to the teac</u> out the notes and guidance, examples show how scientific methods <u>nd spell scientific vocabulary</u> at a level consistent with their increas	 <i>i</i> at the natural <i>i</i> bey should be <i>s</i>, including nd finding things out and <i>use of first-</i> deos. 'Working <i>i</i> berforming simple tests <i>i</i> identifying and classifying <i>using their observations and ideas to su gathering and recording data to help in</i> 	o use the fo dy content: g that they ent ggest answ answering
	SCIENTIF		
Planning, Communication and Sources	Enquiring and Testing / Obtaining and Presenting Evidence	Observing and Recording	Cor
 Describe their observations using some scientific vocabulary Use a range of simple texts to find information Suggest how to find things out identify key features Ask questions 	 Use simple equipment provided to aid observation Compare objects, living things or events Make observations relevant to their task Begin to recognise when a test or comparison is unfair Use first hand experiences to answer questions 	 Respond to questions asked by the teacher Ask questions Collect and record data (supported by the teacher) suggest how they could collect data to answer questions Begin to select equipment from a limited range 	16. S 17. Sa w 18. B w 19. B
National Curriculum—Statutory PoS	SCIENTIFIC KNOWLEDGE—A Language / Vocabulary	NIMALS INCLUDING HUMANS Experiences	Cr
Notice that animals, including humans, have offspring which grow into adults Find out about and describe the basic needs of	Offspring, grow, adults, nutrition, reproduce SURVIVAL: water, food, air, exercise, hygiene		

HUMAN: baby, toddler, child, teenager, adult animals, including humans, for survival (water, food Egg, chick, chicken; lamb, sheep; spawn, tadpole, frog; egg, caterpillar, pupa, butterfly

Describe the importance for humans of exercise, eating the right amounts of different types of food,

and air)

ollowing practical scientific methods, processes and skills

can be answered in different ways

vers to questions

questions.

nsidering Evidence and Evaluating

- Say what has happened
- Say what their observations show and whether it
- vas what they expected
- egin to draw simple conclusions and explain
- /hat they did
- egin to suggest improvements in their work

oss curricular / Inter Disciplinary

	SCIENTIFIC KNOWLEDGE— ANIMALS AND THEIR HABITATS		
National Curriculum—Statutory PoS	Language / Vocabulary	Experiences	
Substantive Knowledge	Substantive Knowledge		
Explore and compare the differences between things that are living, dead, and things that have never been alive Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other Identify and name a variety of plants and animals in	Living, dead, never alive, habitats, micro-habitats, food, food chain, sun, human, alive, healthy Leaf litter, stony path, under bushes, shelter, seashore, woodland, ocean, rainforest, CONDITIONS: hot, warm, cold, dry, damp, wet, bright, shade, dark		
their habitats, including micro-habitats Describe how animals obtain their food from plants and other animals, using the idea of a simple food			

	SCIENTIFIC KNOWLEDGE—PLANTS		
National Curriculum—Statutory PoS	Language / Vocabulary	Experiences	
Substantive Knowledge	Substantive Knowledge		
Observe and describe how seeds and bulbs grow into mature plants Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	Wild plants, common plants, deciduous, evergreen Plant, leaf, root, leaves, bud, flowers, blossom, petals, root, stem, trunk, branches Grow, healthy, suitable, water, light, temperature, germination, reproduction Fruit, vegetables, bulb, seed		

Cross curricular / Inter Disciplinary

Cross curricular / Inter Disciplinary

	SCIENTIFIC KNOWLEDGE— USE OF EVERYDAY MATERIALS		
National Curriculum—Statutory PoS	Language / Vocabulary	Experiences	Cr
Substantive Knowledge	Substantive Knowledge		
Identify and compare the suitability of a variety of	Wood, metal, plastic, glass, brick, rock, paper,		
everyday materials, including wood, metal, plastic,	cardboard, rubber		
glass, brick, rock, paper and cardboard for particular	Squashing, bending, twisting, stretching		
uses			
Find out how the shapes of solid objects made from	PROPERTIES : SHOULD BE REVISED FROM YEAR I UNIT		
some materials can be changed by squashing, bending,			
twisting and stretching.			

ross curricular / Inter Disciplinary