

WORKING SCIENTIFICALLY SKILLS - CURRICULUM 2014 (WITH ADDITIONAL CRITERIA, BASED ON PROGRESSION)

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N.C.	Ask Questions	Variables	Research	Observe & Measure		Present Information		Analysis		Evaluate	
level	(Enquiry)	(Reasoning)	(Info processing)		ning) (Enquiry) (Problem Solve)		(Communicate)		(Creative thinking) (Reasoning)		(Problem Solving)
	(Problem Solve)	(Enquiry)		Planning	Resources	Observation	Recording	Graphs	Patterns	Conclusion	(Evaluating)
Y3 (3)	Ask relevant questions and use different types of scientific enquiries to answer them I ask questions in different ways I ask questions related to the activity we are carrying out	Set up simple practical enquiries, comparative and fair tests I compare tests saying if it is fair or not, with help With help lidentify at least 1 variable to control	Gather, record, classify and present data in a variety of ways to help answer questions I can use ICT to find information relevant to my investigation as well as other sources provided	Set up simple practical enquiries, comparative and fair tests I can carry out a fair test with some help	taking accurate using standard u equipment inclu and dataloggers	ere appropriate, measurements nits using a range of ding thermometers s hole no. I measure	to help answer of Record findings scientific langue labelled diagrat and tables of loan finish char started for me out in a scientific put headings in me	a variety of ways questions using simple tage, drawings, ms, bar charts ts & tables d what I found ic way, trying to tables drawn for draw a bar chart	Report on findings including oral and written explanations, displays or presentations of results and conclusions	Use results to draw simple conclusions, make predictions for new values and suggest improvements, and raise further questions Use straight forward evidence to answer quest's or to support their findings I can write what I found out and try to explain it simply	unexpected results
Y2 (2/3)	Ask simple questions I can use practical activities to ask my own questions I can ask simple questions about how things change or how they happen or what will happen if?		Gather and record data to help in answering questions and recognise that they can be answered in different ways I can use simple secondary sources to help find answers I ask people questions to find out answers	Perform simple tests I have experienced different ways of answering questions I have started to work on different types of enquiry I am beginning to recognise ways to answer questions I can carry out simple tests	with simple	Identifying and Classifying I can explore the world around me I can make comparisons of objects, materials and living things I decide on how to group and sort things with help I observe changes over time	in answering qu I can record sim I can record wh a variety of way I fill in a tally cha makes it for me	ple data at I found out in is art if the teacher or with help chart templates	Use observations and answers to questions I am beginning to no help I can talk about wha how I found it out I am beginning to us scientific language to out I describe obs. simply vocab	d ideas to suggest stice patterns with it has happened and e some simple o share what I found	
Y1 (1/2)	Ask simple questions With help, I can use: Why, What, How and When	ara.	Gather and record data to help in answering questions With help, I can use simple books & other sources to find out about scientific ideas	Perform simple tests I state what I am doing now I am beginning to say what to do next	Observe closely with simple equipment With help, I can use simple equipment to collect data I recognise some simple equipment we use	Identifying and Classifying I use my senses to observe & start to describe simple features of objects, events / living things I respond & begin to sort appropriately with regard to simple features I can observe a change I begin to make simple comparisons	in answering que I communicate pictures of my fi I can add block showing early me I can stick pictu drawn for me	and draw simple indings with help is to towers, neasurement	Use observations and answers to questions I begin to tell others and similarities I use annotate drawisentences to commusentences to commudia	some differences ings and simple unicate	