

Year 5 Science Subject Map

Properties and changes in materials	Forces		Earth and Space	L	iving Things and Their Habitats	Animals Including Humans	
DRIVER WORDS							
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Observe, Ask questions, Name,	Sort, Record, Label, Describe, Compare	Identify, Explore, Observe, Understand, Find out, Recognise	Enquire, Gather, Classify, Present, Draw conclusions, Identify differences and similarities, Find and use evidence, Investigate , Predict	Measure, Use scientific guage, Find patterns, C struct, Interpret, Resea Associate	lan- Plan, Report, Use our con- knowledge, Give reasor irch, Demonstrate, Explain	Use evidence, Conclude	

WORKING SCIENTIFICALLY AGE RELATED EXPECTATIONS	UNIT RELATED EXPECTATIONS				
1. Plan different types of scientific enquiries to answer questions,	LIVING THINGS AND THEIR HABITATS				
including recognising and controlling variables where necessary.	7. Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. 8. Describe the life process of reproduction in some plants and animals.				
increasing accuracy, taking repeat readings where necessary.	ANIMALS INCLUDING HUMANS				
3. Record data and results of increasing complexity using scientific	9. Describe the changes as humans develop to old age.				
diagrams and labels, classification keys, tables, scatter graphs, bar	PROPERTIES AND CHANGES IN MATERIALS				
 4. Use test results to make predictions to set up further comparative and fair tests. 5. Report and present findings from enquiries in oral and written forms, such as displays or presentations. This includes drawing conclusions and explaining how things happen and how results can be trusted. 6. Identify estimatifie evidence that has been used to support or 	 10.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. 11.Understand that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. 12.Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating. 13.Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic. 14.Demonstrate that dissolving, mixing and changes of state are reversible changes. 15. 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 				
refute ideas of arguments.	EARTH AND SPACE				
SCIENTIFIC VOCABULARY anomalous, answer, biologist, biology, change, characteristics, chart,	 16. Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. 17. Describe the movement of the Moon relative to the Earth. 18. Describe the Sun, Earth and Moon as approximately spherical bodies. 				
chemist, chemistry, classify, compare, conclusion, contrast, criteria,	FORCES				
data, dependent/independent , diagram, discuss, effect, evaluate, evidence, experiment, fair test, forces, growth, hypothesis , identify, investigate, materials, measure, move, observe, physicist, physics, predict, pull, push, question, record, research, results , scientist,	 20.Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. 21. Identify the effects of air resistance, water resistance and friction that act between moving surfaces. 22.Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect. 				
seasons, sort, surface, systematic, table, test, temperature, theorise , theory, time, variables , working scientifically					

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