



KS3 - Year 7 Science

	Key content (knowledge)	Key skills	Assessments	Challenge and enrichment
Autumn half term 1	Forces Skeleton & movement Cells	Working safely in the laboratory Identifying variables Presenting data in graphs and tables Interpreting graphs (e.g. distance-time) Safely dissecting muscles & joints in chicken wings. Use of the microscope Biological drawing	Forces test Organisms test	
Autumn half term 2	Particle Model Separating mixtures Energy	Explanation of the properties of solids liquids & gases, plus changes of state in terms of the arrangement and behaviour of particles. Methods of evaporation, filtration, distillation & chromatography. Describing energy stores and energy transfers. Evaluating different methods of generating electricity.	Matter test Energy test	

		Calculating the efficiency of energy stores.		
Spring half term 1	Variation Human Reproduction Acids & Bases	Evaluating causes of variation in organisms. Recall of the types of variation and methods of classification of living organisms. Use of chemical words equations.	Genes test	
Spring half term 2	Metals & non-metals Electrical circuits Interdependence	Describing the properties of metals & non-metals and their reactions, including use of reactivity series to predict whether a reaction will occur. Safely setting up circuits and drawing accurate circuit diagrams.	Reactions test Electromagnets test	
Summer half term 1	Plant reproduction Earth structure	Investigation into wind dispersal of seeds. Making a model to illustrate the structure of the Earth.	Ecosystems test	

Summer half term 2	Earth structure cont'd. Universe		End of year examination	
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