

Science Vocabulary Progression at KSJ

	YN	YR	Y1	Y2	Y3	Y4	Y5	Y6
Working scientifically	Question Why More less	Why Explore Group Sort Same different Wet dry Question Answer Describe	What...? How? Why ...? similar different best and worst change plan look biggest and smallest compare sort and group Observe explore. Equipment results Table measure ruler beaker collect record	observe change slowly quickly describe name identify label record measure bigger and smaller pattern notice cycle predict graph tally bar hotter colder. Faster further slower nearer	gradually identify observe recognise investigate record units table fair evidence research length observations prediction bar charts thermometer identify classify fair test. Data	similarities differences research and source scientists discovery process cycle measurements conclude evaluate rank plan vary keep the same/constant bar graph table tally variable constants evaluate plan conclude interpret. Increase decrease	classify interpret pattern relationship prediction analyse interpret conclude evaluate rank variable constants control repeat key relationship line graph hypothesis	classify categorise database enquiry control repeat support refute degree of trust scatter graph hazards continuous
Plants	Tree Plant Fruit Vegetable Seed Grow	Tree Plant Flower Bulb Fruit Vegetable Seed Grow	Deciduous, Evergreen, Tree, Leaves, Flowers (blossom), Petals, Fruit, Roots, Bulb, Seed, Trunk, Branches, Stem, Oak, Holly, Willow, Birch, Chestnut, Conker, Daisy, Buttercup, Rose, Daffodil, fruit	Seeds, Bulbs, Water, Light, Suitable temperature, Grow, Healthy, Germinate, Decompose	Air, Light, Water, Nutrients, Soil, Reproduction, Transportation, Dispersal, Pollination, Flower,			
Animals including humans	Dog Cat Sheep Cow Duck Pig Horse Fingers toes Tail	Domestic and everyday animal names Toes Fingers Head Shoulders Knees Eyes Ears mouth nose Tail	Fish, Reptiles, Mammals, Birds, Amphibians (+ examples of each) Herbivore, Omnivore, Carnivore, Leg, Arm, Elbow, Head, Ear, Nose, Back, Wings, Beak	Survival, Water, Air, Food, Adult, Baby, Offspring, Kitten, Calf, Puppy, Exercise, Hygiene	Movement, Muscles, Bones, Skull, Nutrition, Skeletons,	Mouth, Tongue, Teeth, Oesophagus, Stomach, Small Intestine, Large Intestine, Herbivore, Carnivore, Canine, Incisor, Molar	Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty; Circulatory, Heart, Blood Vessels, Veins, Arteries, Oxygenated, Deoxygenated, Valve, Exercise, Respiration	Capillaries \ Arteries Veins Cells Bronchi Pulmonary Gaseous exchange

Living things and their habitat		Water Sea Nest Land		Living, Dead, Habitat, Energy, Food chain, Predator, Prey, Woodland, Pond, Desert		Vertebrates, Fish, Amphibians, Reptiles, Birds, Mammals, Invertebrates, Snails, Slugs, Worms, Spiders, Insects, Environment, Habitats	Mammal, Reproduction, Insect, Amphibian, Bird, Offspring; Classification, Vertebrates, Invertebrates, Microorganisms, Amphibians, Reptiles, Mammals, Insects	
Evolution and Inheritance								Fossils, Adaptation, Evolution, Characteristics, Reproduction, Genetics
Materials	Float Sink Hard Soft Warm cold	Soft Hard Shiny Bumpy Smooth Warm Wooden Plastic Metal Melt freeze	Everyday Materials Wood, Plastic, Glass, Paper, Water, Metal, Rock, Hard, Soft, Bendy, Rough, Smooth	Materials Hard, Soft, Stretchy, Stiff, Shiny, Dull, Rough, Smooth, Bendy, Waterproof, Absorbent, Opaque, Transparent Brick, Paper, Fabrics, Squashing, Bending, Twisting, Stretching Elastic, Foil		States of Mater Solid, Liquid, Gas, Evaporation, Condensation, Particles, Temperature, Freezing, Heating, Precipitation	Properties, including changes of, materials Hardness, Solubility, Transparent, Opaque, Translucent, Magnetic, Filter, Evaporation, Dissolving, Mixing, Thermal conductor, thermal insulator, electrical conductor, electrical insulator	
Rocks		Pebble Stone Sand Water			Fossils, Soils, Sandstone, Granite, Marble, Pumice, Crystals, sedimentary, metamorphic, igneous, absorbent/porous, durable, permeable, impermeable			
Seasonal Changes	Warm Cold Sun Snow Rain wind Summer winter Spring autumn	Summer, spring, Winter Autumn moon. Sun Season month Sunny, Snow, rain Ice, wind , cloud Cold Hot. Icy cloudy hail	Summer, Spring, Autumn, Winter, Sun, Day, Moon, Night, Light, Dark					
Light	Light dark Shadow	Light Dark Shadow Shine			Light, Shadows, Mirror, Reflective, Dark, Reflection, light source, cast			
Magnets and Forces		Push Pull			Magnetic, Force, Contact, Attract, Repel,		Forces Air resistance, Water resistance,	

		Water Splash Bend Stretch Snap Scrunch twist			Friction, Poles, Push, Pull		Friction, Gravity, Newton, Gears, Pulleys, lever, force, pivot (fulcrum) Balanced mass Unbalanced Weight	
Sound						Volume, Vibration, Wave, Pitch, Tone, Speaker		
Electricity						Electricity Cells, Wires, Bulbs, Switches, Buzzers, Battery, Circuit, Series, Conductors, Insulators, brightness		
Earth and Space							Earth, Sun, Moon, Axis, Rotation, Day, Night, Phases of the Moon, star, constellation, waxing, waning, full, new, year, month, satellite galaxy orbit phases universe	