



Scientific Vocabulary Progression

Communication is one of our six curriculum drivers: Engaging, Enriching, Community, Diversity, Communication and Collaboration

Oracy is massively important for pupils. Up to 90% of vocabulary is encountered in reading and not in everyday speech (Ofsted research). There is also a very clear relationship between level of vocabulary and pupil background. This is about Closing the Gap.

Scientific Vocabulary has been generated by our teachers based on the needs of our children

Year 3

Knowing Me, Knowing You	Rock Bottom	May the Force be with you	Egypt	It's a Small World	Healthy Humans
Investigate Conduct Record Results Conclusions	Organic matter Physical properties Permeable Impermeable Metamorphic Igneous Sedimentary Fossils Appearance Erode	Contact Non-contact Magnet Magnetic field Attract Repel Friction Poles Balanced Unbalanced Properties of magnets Force	Reflected Surface Light source Opaque Transparent Translucent Absence of light UV Rays Patterns (how shadows change) Object Formed	Stem Roots Functions Nutrients Requirements Transported Life Cycle Pollination Seed formation Seed dispersal Reproduction Structure Absorption	Nutrition Skeleton Support Protection Movement Muscles Function Diet Joints

Year 4

Life on Earth	Light It up	Greece	Romans	Our Planet	Beautiful Broadstairs
Producers Prey Predators Precipitation Evaporation	Electricity Appliances Insulators Conductors Physics	Canine Molar Incisors Plaque Decay	Vibrations Decibel Sound waves Ear drum Amplitude	Solids Liquids Gases State of matter Atoms	Classification Keys Vertebrate Amphibians Environment

Condensation Transformation Consumers Biology Climate Deforestation Sustainable Renewable Recycling Water Cycle Food Chain	Circuit Battery Mains Cell	Enamel	Pitch Volume Vacuum Echo	Particles Energy	Invertebrate Mammal Reptile
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Year 5

Changes	Invaders and settlers	To Infinity and Beyond	Walk on the Wild Side	
Solution Solute Solvent Soluble Insoluble Dissolve Evaporation Condensation Freezing Melting Molecules	Air resistance Water resistance Friction Gravity Streamlined Aerodynamics Momentum Force Levers, pulleys, gears Mechanism	Solar system Planets Earth Moon Spherical bodies Orbit Rotation Revolution Axis Longitude Latitude Tropics Equator	Sexual reproduction Asexual reproduction Life cycle Mammals Amphibian Behaviourist Naturalist	Plant specific: Anther Stigma Stamen Style Sepal Ovary Ovule Filament Receptacle Petal

Year 6

The World Around us:	Fun at the Fair	Circle of Life	We'll Meet Again	Born this Way	Moving on Up
Biome Climate Zone Adaptation Evolution	Friction Potential energy Kinetic Energy Magnetic field Electrons Electrolytes Conductors Voltage Electrical current Component Variable	Natural Selection Inheritance Cloning Species Mutation Classification Genetics DNA Offspring	Electromagnetic spectrum Refraction Translucent Transparent Opaque Light source	Nervous system Nutrients Oxygenated Deoxygenated Muscles Joints Skeleton Circulatory system Transportation Digestion	Puberty Hygiene Hormones Adolescents