

# St Gabriel's KS3 Science



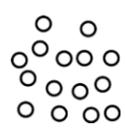
STRENGTH  
SERVICE  
SUCCESS



Develop more in-depth understandings of scientific principles and begin to distinguish the real differences in Biology, Chemistry & Physics



Build on the Working Scientifically Skills you have acquired to complete more practical investigations in Yr8!



Moving Particles, Diffusion through Permeable Membranes

Greenhouse Effect, Global Warming, Atmospheric Pollutants, Acid Rain, Eating Sustainably, Waste & Recycling

**DIFFUSION**

**CLIMATE CHANGE & SUSTAINABLE LIVING**



**HEATING & COOLING**

**HUMAN SKELETON & MUSCLES**



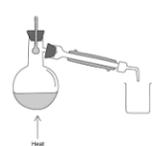
Measuring Temperature, Conduction, Convection, Radiation, Thermal Insulators



Muscles, Bones, Movement, Biomechanics



**HEREDITY & DNA**



Separating Insoluble & Soluble Solids, Distillation & Chromatography



Waves, Longitudinal & Transverse, Reflection, Refraction, Shadows



**SOUND, LIGHT & VISION**

Structure of DNA, DNA Discovery, Chromosomes, Genes

**SEPARATION TECHNIQUES**

Food chains, Predator/Prey Relationships, Physical Adaptations, Ecosystems, Wind & Insect Pollination, Biodiversity



Variables, Equipment Diagrams



**ECOSYSTEMS**



Pure and impure, Mixtures & Solutions, Solubility Investigation



**SOLUTIONS**



Cells, Microscopes, Unicellular Organisms, Specialised Cells



The spinning Earth, Stars, Galaxies, Gravity, Heating by the Sun, Seasons

**CELLS**



**SOLIDS, LIQUIDS & GASES**



**THE SOLAR SYSTEM**

Particle diagrams, changes of state, Cooling/Heating curves, Gas Pressure, Density

KS2 Science, open evening, welcome days

**YEAR 7**

Contact/non-contact forces, Resultant forces, Effect of forces

**FORCES**



Introduction to Science week

welcome

