St Gabriel's KS3 Science

THE LORD IS MY STRENGTH · ST GABRIEL'S · 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!

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

Moving Particles, Diffusion through Permeable Membranes

CLIMATE CHANGE & SUSTAINABLE LIVING

DIFFUSION

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

SEPARATION TECHNIQUES

SOUND, LIGHT & VISION

Structure of DNA, DNA Discovery, Chromosomes, Genes

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

Variables, Equipment Diagrams

ECOSYSTEMS

Pure and impure, Mixtures & Solutions, Solubility Investigation

Cells, Microscopes, Unicellular Organisms, Specialised Cells

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

SOLUTIONS

CELLS

THE SOLAR SYSTEM

SOLIDS, LIQUIDS & GASES

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