We study Biology in order to make sense of the fascinating and complex web of life on our planet

We study Chemistry in order to understand the building blocks of matter and the reactions that sustain our future

We study Physics in order to explore the fundamentals of the world around us and the wonder of the universe that surrounds us

Grade 9

Grade 8

Grade 7

Grade 6

Grade 5

Grade 4

Grade 3

Grade 2

Grade 1

Evaluate the use of Stem Cells
Ultrafiltration & Selective Reabsorption
Evaluate Indicator Species
Molar Volume of Gases
Reactions & Preparation of Carboxylic Acids
Gas Law Equations
Change in momentum & Force
Using Multiple Equations
Effects of Viruses
Lytic & Lysogenic Pathways
How is Food Security affected?
Titration Calculations
Atom Economy
Multi Stage Electricity Questions
Rotational Forces
Gears
Reforestation to protect Biodiversity
Moles
Preparation & Reactions of Alcohols
Stem Cell Therapy
Kidney Function
Nitrogen Fixing Bacteria
Benefits of Crop Rotation
Concentrations of Solutions
Condensation Polymerisation
Electromagnetic Induction
Vector Diagrams
Reacting Masses
Haber Process
Rearrange Stored Energy Questions
How tumours occur
Rate of Decomposition
Equilibrium
Transformers
Pressure & Upthrust
Structure of a Virus
Bond Energy
Addition Polymerisation
Convert Units
What is Food Security?
Reducing Rate of Decomposition
Ion Tests
Polymers
Relationship between Charge, Current, PD & Resistance
Inertial Mass
Compare Bacterial, Animal & Plant Cells
Nanoparticles
Half Equations
Uses of Static Electricity
Carbon, Nitrogen, Water Cycles
Chemical Cells & Fuel Cells
Oxidation & Reduction
Application of Heat Transfer
Gravity & Orbits
Catalysts & Activation Energy
Cracking
Adaptations of Specialised Cells
Parasitism & Mutualism
Electrolysis
Braking and Energy
Circular Motion
Newton's 3rd
Percentile Growth Chart
Factors affecting Rate of Reaction
How Humans affect Biodiversity
Reversible Reactions
Halogen Displacement Reactions
Motor Effect
Explaining Refraction
Momentum & Collisions
How Plants Grow
Indicator Species
Alkanes & Alkenes
Resistance in Series & Parallel Circuits
Advanced Magnification Questions
Biotic & Abiotic Factors
Calculate Efficiency of Energy Transfers
Allotropes of Carbon
Reactivity of the Halogens
Metal Extraction & Corrosion
Energy from Nuclear Fuel
Rearrange recalled Equations
Properties of Ionic & Molecular Compounds
Displacement of Metals
Ohm's Law
Renewable vs Non Renewable Fuels
Crash Hazards
Bacterial Cells
Length of Food Chains
Reactions of Acids
Momentum Equation
Stem Cells
Stages of Meiosis -IPMAT
Classify Organisms
Relative Atomic Mass
Alkali Metals & Water
Comparing Electromagnetic Waves
Power
Bending & Stretching
Simple Magnification Calculations
Effects of changes in habitats
Intermolecular Forces
The Atmosphere & Acid Rain
Thermal Conductivity
Energy Transfer
Acceleration Equation
Covalent Bonds
Ions & Ionic Bonds
Fossils/ Evidence for Extinction
Reactivity of Metals
Define Current, Voltage, Resistance
Refraction
Mass & Gravity
Transport in/ out of Cells
Compare Plant & Animal Cells
Isotopes
Atomic Number Mass Number
Work
Stopping Distance
Identify Competing Organisms
Thermal Decomposition
Sankey Diagrams
Reflection
Stages of Mitosis/ Meiosis
Compounds & Mixtures
Stored Energy Calculations
Newton's 1st & 2nd
How to use a microscope/ prepare a slide
Variation between Organisms
Collect Evidence on Communities
Chromatography & Distillation
Exothermic & Endothermic Reaction
Energy from Fossil Fuels
Levers & Moments
Function of Parts of a Cell
Use a Quadrat
What is a Community?
Alloys
Energy Content of Fuels
Combustion
Efficiency
Analyse DT & VT Graphs
The Sun as a Source of Energy
Energy Stores
Light
Identify Specialised Cells
Atomic Structure
Density
How organisms adapt to their Environment
Cooling Curves
Neutralisation
Wave Speed Equation
Sound & Speed of Sound
Hooke's Law
Describe how animals grow
Idea of Conservation of Mass
Resultant Forces
Identify Parts of a Cell
Identify Parts of a Microscope
Deciduous & Evergreen Trees
Metals & Non Metals
Transverse & Longitudinal Waves
Describe Acceleration
Elements & the PT
pH Scale
Conduction Convection Radiation
Comparing Power ratings
Estimate Speeds
Identify Organ Systems
Examples of Hibernating & Migrating animals
Dissolving & Filtering
Simple Formulae
Speed Equation
Crystallisation
Identify a Cell
Food Chains & Webs
Changing State
Chemical Change vs Physical Change
Describing a Wave
Conservation of Energy
Forces on Objects
Identify Organ Systems
Describe an Environment
Diffusion
Identify Plant & Animal Cells
Species
Identify parts of a food chain
Simple Particle Model
Hazard Symbols
Heat vs Temperature
Reaction Time
MRS GREN
Temperature
Identify a Cell
Identify different habitats
States of Matter
Energy Circus
Contact/ Non Contact Forced
Identify Tissues & Organs
Measure a Force

Interdependence
Particles
Reactions
Energy
Cells
Forces

Science Progression Map @ St George's Academy