KS3 SCIENCE

Y7

CELLS & ORGANISATION
- SAFETY IN SCIENCE
- INVESTIGATION SKILLS
- MICROSCOPY
- PRACTICAL SKILLS
- CELL STRUCTURES & SPECIALISATION
- LEVELS OF ORGANISATION

PARTICLES & MIXTURES FORCES & MOTION
- SEPERATION TECHNIQUES
- MAGNETISM
- STATES OF MATTER AND CHANGES
- SPEED
- CONTACT/ NON-CONTACT FORCES

ACIDS & ALKALIS
- PH & INDICATORS
- METALS & NON METALS
- NEUTRALISATION

REPRODUCTION & VARIATION SOUND & LIGHT WAVES
- REFLECTION & REFRACTION
- CONTINUOUS/ DISCONTINUOUS VARIATION
- SPECTRUMS & WHITE LIGHT
- SOUND & LIGHT TRANSFER OF ENERGY
- FERTILISATION IN HUMANS

INFECTION & RESPONSE EARTH & UNIVERSE
- MICROORGANISMS & DISEASES
- ROCK TYPES & CYCLES
- MODELS IN SCIENCE
- IMMUNITY & VACCINATION
- EARTH STRUCTURE
- STARS, GALAXIES & MOON PHASES

ENERGY ECOSYSTEMS & POLLINATION
- GENERATING ELECTRICITY
- INSECTS
- PLANT FERTILISATION & SEEDS
- ENERGY STORES & TRANSFERS
- ENERGY RESOURCES
- FOOD WEBS

Y8

ENERGY, PARTICLES &RADIATION PERIODIC TABLE & MATERIALS
- SIMPLE CHEMICAL REACTIONS
- HEATING, ENERGY & TEMPERATURE
- DOING 'WORK'
- ELEMENTS & PERIODIC TABLE
- ATOMIC MODELS AND STRUCTURES

ORGANISATION & HEALTH
- DIGESTION & ENZYMES
- DENSITY INVESTIGATION
- BREATHING RATES
- PRACTICAL SKILLS

ADAPTATIONS & INHERITANCE CHEMICAL REACTIONS
- GENETIC DISORDERS
- PRACTICAL SKILLS
- DNA
- VARIATION & ADAPTION
- REACTIONS OF ACID AND METALS
- BALANCING SYMBOL EQUATIONS

WAVES
- WAVE TYPES
- USES OF WAVES
- BEHAVIOUR OF WAVES

Y9

RESPIRATION & PHOTOSYNTHESIS FORCES & PRESSURE
- EXPLORING & CALCULATING PRESSURE
- AEROBIC & ANAEROBIC RESPIRATION
- PRACTICAL SKILLS
- PHOTOSYNTHESIS

EARTH & ATMOSPHERE ELECTRICITY & MAGNETISM
- ELECTRICITY IN THE HOME
- SERIES & PARALLEL CIRCUITS
- HUMANS WITH CARBON CYCLE
- POWER
- PRACTICAL SKILLS
- COMPOSITION & CHANGES TO ATMOSPHERE

CELL STRUCTURE, ATOMIC STRUCTURE, ENERGY
- MIRCOSCOPY
- CELL DIVISIONS
- ENERGY CALCULATIONS
- ANIMAL, PLANT & BACTERIAL CELL ORGANISATION
- TRANSPORT
- ENERGY STORES & CHANGES

TRANSPORT, CHEMICAL ANALYSIS, ENERGY RESOURCES
- ATOMS, ELEMENTS, COMPOUNDS & MIXTURES
- CONFUCTION, CONVECTION & RADIATION
- HEATING & INSULATING
- SEPERATING MIXTURES
- STRUCTURE OF ATOMS
- SUBSTANCES & GASES

PARTICLE MODEL OF MATTER, PERIODIC TABLE
- DEVELOPMENT OF PERIODIC TABLE
- TYPES OF DISEASES
- CHARACTERISTICS OF PERIODIC TABLE
- HUMAN RESPONSES TO DISEASE

INFECTION & RESPONSE, ENERGY CHANGES
- CURRENT & RESISTANCE
- REACTIVITY SERIES
- DIGESTIVE SYSTEM & ENZYMES
- SERIES & PARALLEL CORCUITS
- DISPLACEMENT & EXTRACTION
- CELL TISSUES & ORGANS

BIOENERGETICS, REVISION
- LIMITING FACTORS
- PHOTOSYNTHESIS
- USES OF GLUCOSE

RADIOACTIVITY, REACTIVITY OF METALS
- ADAPTATION
- COMPETITION
- REACTION PROFILES
- INTERDEPENDENCE
- ENERGY IN REACTIONS

PROGRESS ONTO YEAR 10 - KS4