SIR WILLIAM ROBERTSON ACADEMY

SCIENCE CURRICULUM MAP

Further Study
A levels in Biology, Chemistry or Physics or AAQ in Medical Science

Career Paths
Research scientist, medicine, dentistry, physiotherapy, nursing, engineering, astrophysicist, environmental scientist, forensics and many more

Skills
Problem solving, analysis of data, critical thinking

Interest
A continued passion and love of learning about how the world works

Year 11
- INHERITANCE
- ORGANIC CHEMISTRY
- ELECTRO-MAGNETISM
- VARIATION
- EARTH'S ATMOSPHERE & RESOURCES
- WAVES
- REVISION
- REVISION & EXAMS
- HOMEOSTASIS
- RATES OF REACTION
- RESISTIVE FORCES

End of Year 10 Mock Exam on Paper 1 material

Year 10
- QUANTITATIVE CHEMISTRY
- ECOLOGY
- FORCES & MOTION
- ELECTROLYSIS
- ENERGETICS
- BIOENERGETICS
- REACTIVITY & REACTIONS OF ACIDS
- HEALTH & DISEASE
- SEPARATING MIXTURES
- DIGESTION AND ENZYMES
- ATOMS AND RADIOACTIVITY
- BONDING
- ELECTRICITY
- THE PARTICLE MODEL

Regular retrieval quizzes for homework

Regular extended writing assessments

Year 9
- ELECTRO-MAGNETISM
- CELLS
- ATOMS
- FORCES
- CELL TRANSPORT
- BONDING
- TRANSPORT IN ORGANISMS
- LIGHT
- EARTH & ATMOSPHERE
- ENGINEERING
- VARIATION
- RESPIRATION
- HEATING & COOLING
- VARIATION
- EARTH & ATMOSPHERE
- MAGNETISM
- REPRO - DUCTION
- DENSITY & PRESSURE
- GAS EXCHANGE
- LIGHT
- GENETICS
- REACTIVITY
- ENERGY & POWER
- ENERGETICS
- DIGESTION & HEALTH

End of term assessments based on exam questions

Regular retrieval quizzes for homework

Regular retrieval quizzes for homework

Extended response homework and in class assessments

End of Term exam style assessment

Year 8
- ACIDS AND ALKALIS
- DIGESTION & HEALTH
- GAS EXCHANGE
- SPEED
- REPRODUCTION
- WAVES
- PERIODIC TABLE
- SPACE
- TRANSPORT SYSTEMS

End of term exam style assessment

Extended response and MCQ assessments

Extended writing assessments for each topic

Year 7
- MAGNETISM
- CHEMICAL REACTIONS
- SPACE
- FORCES
- SEPARATION
- MATTER AS PARTICLES
- CELLS