ideas to:

procedure

interpret and evaluate;

make judgments and draw

conclusions; develop and

improve experimental

21/22: Year 10 Curriculum and Assessment Map

procedures.

and ideas to:

Analyse information

interpret and evaluate;

make judgments and

Year9/10 Subject: Com

Subject: Combined Science

The GCSE Combined Science encourages the development of knowledge and understanding in science, through opportunities in working scientifically. The curriculum follows a spiral design to prepare students for external examination. The design of the curriculum facilitates the conscious idea of over teaching to cater for the individual needs of our students. In year 9 students will start the programme of study in preparing for their GCSE examination. In year 10 students will continue to develop their knowledge and deepen their understanding across the disciplines of Biology, Chemistry and Physics. Students will first cover paper one topics in each subject area to build fundamental concepts and principles necessary to progress to paper two topics. Students will take part in purposeful practical activities designed to deepen and broaden their understanding of the skills required for their GCSE Science. Their knowledge will also be further strengthened by weekly targeted homework task.

All lessons will provide bespoke teaching, focussing on individual learning needs and the development of the science vocabulary. Both years 9/10 will be taught as a whole teaching group. Students will be given the opportunity to explore scientific concepts in greater depth and develop key skills which they can draw on to explain, analyse and evaluate concepts in science and make links to unfamiliar context as they follow the programme of study.

April - July September - December January - March Biology PAPER 1 Biology Paper 2 Assessment Objective **Assessment Objective Assessment Objective** Cell Biology; Demonstrate Demonstrate knowledge Physics Paper 2 Biological responses and understanding of: knowledge and Genetics and reproduction Physics topics: Demonstrate knowledge Organisation; Infection scientific ideas: scientific understanding of: and understanding of: Ecology Forces: and response: and techniques and scientific ideas, scientific scientific ideas; Waves: Bioenergetics. scientific techniques procedures techniques and procedures Chemistry Paper 2 Magnetism and procedures Rates, equilibrium and organic Electromagnetism Chemistry Paper 1 Apply knowledge and Apply knowledge and chemistry Atomic structure and the periodic table; understanding of: Apply knowledge and understanding of: scientific Analysis and the Earth's scientific ideas: scientific ideas; scientific enquiry, understanding of: resources Bonding, structure, and scientific ideas: enguiry, techniques and techniques and procedures. Physics Paper 1 procedures. scientific enquiry, the properties of **Energy and Energy Analyse information and** techniques and matter; Quantitative Resources, Particles at

Work and Atomic

structure

REVISON

Analyse information and

interpret and evaluate;

REVISION

make judgments and

develop and improve

draw conclusions;

ideas to:

chemistry; Chemical

changes; and Energy

changes.

Intent



21/22: Year 10 Curriculum and Assessment Map

REVISON	draw conclusions; develop and improve experimental procedure		REVISION
Impact	AP1 End Autumn 2 iagnostic Assessment	AP2 End Spring 1 Diagnostic Assessment	AP3 End Summer 1 Diagnostic Assessment