Combined Science Trilogy AQA GCSE Year 10

Please use this route through to find out what students are learning in the classroom and beyond.
Please contact us or visit our website for more information.

Subject	What are students learning in lessons?	What are students learning in home learning?
Autumn Term 1	Organisation: digestive and respiratory systems, digestive enzymes, heart and heart disease, plant tissue. Bonding: ionic, covalent and metallic bonding, allotropes of carbon.	45 minutes per week: Sparx science on previous topics. 15 minutes per week: paper task for retrieval practice or exam practice.
Autumn Term 2	Energy: energy stores and pathways, energy calculations. Communicable Disease: infectious diseases caused by viruses, bacteria, fungi and protists, immune response. Particle Theory: density and states of matter and changes of state.	45 minutes per week: Sparx science on previous topics. 15 minutes per week: paper task for retrieval practice or exam practice.
Spring Term 1	Quantitative Chemistry: relative formula masses, balancing equations, calculating masses and moles, calculating concentrations. Chemical Changes: displacement reactions.	45 minutes per week: Sparx science on previous topics. 15 minutes per week: paper task for retrieval practice or exam practice.
Spring Term 2	Chemical Changes: making salts, electrolysis. Energy Changes: endothermic and exothermic reactions, bond energy calculations. Electricity: electrical circuits, series and parallel circuits.	45 minutes per week: Sparx science on previous topics. 15 minutes per week: paper task for retrieval practice or exam practice.
Summer Term 1	Particle Theory: specific latent heat calculations. Electricity: resistance, electricity in the home. Atomic Structure and Radiation: history of the atom, properties, dangers and uses of radioactivity. Energy: revision.	45 minutes per week: Sparx science on previous topics. 15 minutes per week: paper task for retrieval practice or exam practice.
Summer Term 2	Revision and exam preparation for end of year exams. Ecology: adaptation, interdependence and competition, effects of humans on the environment, water and carbon cycles.	45 minutes per week: Sparx science on previous topics. 15 minutes per week: paper task for retrieval practice or exam practice.
Every mark matters	**Assessment**	**Key contacts**
	Students think hard, answer lots of questions and get feedback on their work every lesson. Exam Spring 1: 1hr assessment. Exam Summer 2: 1hr 15min Paper 1 mocks in Biology, Chemistry and Physics.	Head of Department: Rebecca.Offer@theregisschool.co.uk