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	Cells: structure and function of cells, observing cells, cell transport and the cell cycle. Energy: energy stores and pathways, energy calculations.	1 hour per week: Sparx Science, typically on knowledge from previous topics.
Autumn Term 2	Atomic Structure and the Periodic Table: substances, history of the atomic and the periodic table. Bonding: atoms to ions, bonding, allotropes of carbon. Organisation: digestive and respiratory systems, digestive enzymes, heart and heart disease, plant tissue.	1 hour per week: Sparx Science, typically on knowledge from previous topics.
Spring Term 1	Organisation: digestive and respiratory systems, digestive enzymes, heart and heart disease, plant tissue. Quantitative Chemistry: relative formula masses, balancing equations, calculating masses and moles, calculating concentrations.	1 hour per week: Sparx Science, typically on knowledge from previous topics.
Spring Term 2	Diseases: pathogens, immunity, vaccination, developing drugs, non-communicable disease. Chemical Changes: displacement reactions, extracting metals, making salts, electrolysis. Energy Changes: endothermic and exothermic reactions, bond energy calculations.	1 hour per week: Sparx Science, typically on knowledge from previous topics.
Summer Term 1	Particle Theory: density and states of matter, internal energy and specific latent heat calculations. Electricity: electrical circuits, series and parallel, resistance, electricity in the home.	1 hour per week: Sparx Science, typically on knowledge from previous topics.
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.	1 hour per week: Sparx Science on current topics and revision of previous topics. Exam practice using past exam questions.
Every mark matters	**Assessment**	**Key contacts**
	Students think hard, answer lots of questions and get feedback on their work every lesson. Exam Spring 1: 60 minute assessment. Exam Summer 2: 1hr 15min Paper 1 mocks in Biology, Chemistry and Physics.	Acting Head of Department: Samuel.Down@theregisschool.co.uk