

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	Atoms and The Periodic Table: elements, compounds and mixtures, atoms, isotopes, history of the atom and the Periodic Table.	1 hour per week: Sparx Science and past exam questions on current topics in lessons and previous topics for revision.
Autumn Term 2	Bonding: atoms to ions, bonding (ionic, covalent, metallic), properties of bonding, allotropes of carbon.	1 hour per week: Sparx Science and past exam questions on current topics in lessons and previous topics for revision.
Spring Term 1	Quantitative Chemistry: relative formula masses, balancing equations, calculating masses and moles, calculating concentrations.	1 hour per week: Sparx Science and past exam questions on current topics in lessons and previous topics for revision.
Spring Term 2	Chemical Changes: the reactivity series and displacement reactions, extracting metals, making salts, electrolysis.	1 hour per week: Sparx Science and past exam questions on current topics in lessons and previous topics for revision.
Summer Term 1	Energy Changes: endothermic and exothermic reactions using reaction profiles, bond energy calculations.	1 hour per week: Sparx Science and past exam questions on current topics in lessons and previous topics for revision.
Summer Term 2	Revision and exam preparation for end of year exams. Rates of Reactions: collision theory, factors which affect the rate of a reaction, reversible reactions and dynamic equilibrium.	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: 30 minutes assessment topics studied so far. Exam Summer 2: 1 hour 45 minute Chemistry GCSE paper.	Acting Head of Department: Samuel.Down@ theregisschool.co.uk