The Regis School
The best in everyone
A member of United Learning Trust

Chemistry 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	Bonding: atoms to ions, bonding (ionic, covalent, metallic), properties of bonding, allotropes of carbon.	40 minutes per week: Sparx Science on current topics. 20 minutes per week: paper task for retrieval practice or exam practice.
Autumn Term 2	Quantitative Chemistry: relative formula masses, balancing equations, calculating masses and moles, calculating concentrations.	40 minutes per week: Sparx Science on current topics. 20 minutes per week: paper task for retrieval practice or exam practice.
Spring Term 1	Chemical Changes: the reactivity series and displacement reactions, extracting metals, making salts, electrolysis.	40 minutes per week: Sparx Science on current topics. 20 minutes per week: paper task for retrieval practice or exam practice.
Spring Term 2	Chemical Changes: the reactivity series and displacement reactions, extracting metals, making salts, electrolysis. Energy Changes: endothermic and exothermic reactions using reaction profiles, bond energy calculations.	40 minutes per week: Sparx Science on current topics. 20 minutes per week: paper task for retrieval practice or exam practice.
Summer Term 1	Atoms and the Periodic Table revision: elements, compounds and mixtures, atoms, isotopes, history of the atom and the Periodic Table. Preparation for end of year assessments.	40 minutes per week: Sparx Science on current topics. 20 minutes per week: paper task for retrieval practice or exam practice.
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.	40 minutes per week: Sparx Science on current topics. 20 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: 30 minutes assessment topics studied so far. Exam Summer 2: 1 hour 45 minute Chemistry GCSE paper.	Head of Department: Rebecca.Offer@theregisschool.co.uk