

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, microscopes, culturing microorganisms, cell division, stem cells, transport in cells (diffusion, osmosis, active transport).	1 hour per week: Sparx Science and revision using questions and answers flash cards on current topics in lessons.
Autumn Term 2	Organisation: tissues and organs, digestive and respiratory systems, enzymes, food tests, heart, blood and blood vessels, plant tissue, transpiration and translocation.	1 hour per week: Sparx Science and revision using questions and answers flash cards on current and previous topics.
Spring Term 1	Infection and Disease: infectious diseases caused by viruses, bacteria, fungi and protists, immune response, vaccination, antibiotics and painkillers, drug discovery.	1 hour per week: Sparx Science and revision using questions and answers flash cards on current and previous topics.
Spring Term 2	Infection and Disease: monoclonal antibodies, plant diseases and defences. Organisation: heart disease, treating heart disease, health issues and lifestyle, cancer.	1 hour per week: Sparx Science and revision using questions and answers flash cards on current and previous topics.
Summer Term 1	Bioenergetics: aerobic and anaerobic respiration in plants, yeast and animals, human response to exercise, photosynthesis, factors that affect the rate of photosynthesis. Ecology: rate of decomposition.	1 hour per week: Sparx Science and revision using questions and answers flash cards on current and previous topics.
Summer Term 2	Revision and exam preparation for end of year exams. Ecology: ecosystems, sampling techniques, effects of humans on the environment, adaptations, food webs and pyramids of biomass, how materials are cycled, food production.	1 hour per week: Sparx Science and revision using questions and answers flash cards on current and previous topics.
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 minutes past paper mock.	Acting Head of Department: Samuel.Down@ theregisschool.co.uk