

We hope this curriculum overview helps parents / carers to understand more about our curriculum, and to support students to continue learning at home. Please visit the subject page of our website to find more detailed information about the curriculum.

Subject	What are students learning in lessons?	What could students do to extend their learning and develop their character?
Autumn Term 1	Heating and Cooling: temperature and temperature changes, conduction and convection. Earth and the Atmosphere: structure of the earth, rock formation and the Earth's atmosphere.	Be creative: make your own model of the Earth's layers and structures.
Autumn Term 2	Forces and Motion: changing speed and motion, how objects can be changed to increase speed. Plants and Processes: plants as organisms and how plants are adapted for photosynthesis.	Be creative: experiment by growing cress seeds in different conditions and see how the growth is affected.
Spring Term 1	Electricity: circuits, potential difference, power and energy and the efficiency of appliances. Revision: revise all units and prepare for the Science midyear exams.	Be curious: build and investigate your own circuits on "PhET circuit construction kit: DC" website. Be ambitious: revise for exams.
Spring Term 2	Interaction and interdependence: environment, food chains, cycles, adaptations, natural selection and evolution. Forces and work: forces and their effects on objects, moments and force, Hooke's law.	Be independent: what forces are in action at a play ground? Where can you apply knowledge of Hooke's Law and moments?
Summer Term 1	Acids and Alkalis: investigate the differences between acids, alkalis, understand neutralisation. Nutrition and Digestion: structure and function of the digestive system to ensure efficient digestion.	Be curious: what acids and alkalis are in your home? Which of them require safety measures to be taken when handling them? Why?
Summer Term 2	Space: planets and the solar system. Revision: revise all units and prepare for the end of year exams.	Be resilient: make a revision time table and stick to it! Learn the science question and answers for each topic.

	Assessment	Home Learning
How should I plan my time?	Students think hard and answer lots of questions every lesson. Students practice and get feedback on their work. Exam: Spring 1 and Summer 2	Due every Thursday at 4pm: 1 hour Sparx Science