

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. Materials and the Earth: structure of the Earth, rock formation and the Earth's atmosphere.	Be curious: create a labelled 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 curious: experiment by growing cress seeds in different conditions to see how they affect growth. Create a results table and conclusion.
Spring Term 1	Interactions and Interdependence: food chains, food webs, competition. Revision: revise all units and prepare for the Science midyear exams.	Be curious: create a fact file about an ecosystem, including a food chain, food web and examples of competition.
Spring Term 2	Electricity: circuits, potential difference, power and energy, and the efficiency of appliances. Forces and Work: forces, tension, Hooke's law, turning effects.	Be curious: build and investigate your own circuits on "PhET circuit construction kit: DC" website. Print out images of your circuits.
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: identify household acids and alkalis. Write a risk assessment for each of them.
Summer Term 2	Space: planets and the solar system. Revision: revise all units and prepare for the end of year exams.	Be curious: create a travel guide to the Solar System, including key facts about each planet.

	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	Character tasks and Sparx Science to continue the joy of learning beyond the classroom.