

Science – Year Group Careers Overview

	Year 7	Year 8	Year 9	Year 10	Year 11
Careers	Term 2 - Chemical methods	Term 1 – Atomic Physics	Term 1 – Inheritance	Term 1 - Energy	Term 2 – Inheritance
	A career in forensic science. When studying chemical methods and how chemical mixtures can be separated, students will look at how a forensic scientist uses knowledge and understanding of chemical methods to solve crimes.	A career as a Nuclear medicine doctor. When studying atomic physics and different types of radiation, students will look at how nuclear medicine doctors use radioactive substances to examine the physiological processes in disease.	A career as an Embryologist. When studying inheritance and how a sperm cell fertilises an egg cell, students will look at how embryologists are involved in fertility treatment and reproductive research.	A career as an energy assessor. When studying energy and how energy resources can be renewable or non-renewable, students will look at how an energy assessor will assess how to make buildings more energy efficient.	A career as an Embryologist. When studying inheritance and how a sperm cell fertilises an egg cell, students will look at how embryologists are involved in fertility treatment and reproductive research.
	Term 3 – Systems 1	Term 4 – Systems 2	Term 3 – Systems 2	Term 3 – Systems	Term 3 Organic Chemistry
	A career as a respiratory physiologist. When studying Systems 1 and how our Respiratory system helps our body get the oxygen it needs, students will look at how a respiratory physiologist uses their knowledge and understanding of organ systems to treat patients with lung diseases.	A career as a nutritionist. When studying Systems 2 and our Digestive system and lifestyle factors that can affect our health, students will look at how nutritionists use their knowledge of the science of food to help individuals and groups make the right choices about what they eat.	A career as a physiotherapist. When studying systems 2 and the musculo-skeletal system, students will look at how a physiotherapist helps to restore movement and function when someone is affected by injury, illness or disability.	A career in Cardiology. When studying systems and evaluating the advantages and disadvantages of treating cardiovascular diseases by drugs, mechanical devices or transplant, students will look at how a cardiologist will treat patients.	A career in the oil and plastic industry. When studying organic chemistry and crude oil, students will look at the many careers that exist in the oil and plastic industry.
	Term 5 – Electricity & Magnetism	Term 5 - Drugs	Term 4 – Organic Chemistry	Term 5 – Reactions and Energy	Term 4 – Electricity and Magnetism
	A career in electrical engineering. When studying electricity and magnetism and the difference between series and parallel circuits, students will look at how an electrical engineer uses their knowledge and understanding of electricity and magnetism to design a computer controller.	A career as a pharmacist. When studying drugs and how they can affect our health, students will look at how a pharmacist can support people with their health and give advice about the medicines that they need to take.	A career in the oil and plastic industry. When studying organic chemistry and crude oil, students will look at the many careers that exist in the oil and plastic industry.	A career as an industrial chemist. When studying reactions and energy and how the conditions for chemical reactions can be altered to change the yield of a product, students will look at an industrial chemist improves the processes of chemical and material production on an industrial scale.	A career in electrical engineering. When studying electricity and magnetism and the difference between series and parallel circuits, students will look at how an electrical engineer uses their knowledge and understanding of electricity and magnetism to design a computer controller.