

KS3 Science at SGTG

In KS3 Science we aim to give our students a good grounding in not only the main concepts that underpin the three core subjects of Biology, Chemistry and Physics but also in the core skills needed to be successful in KS4 and beyond. Our students cover a wide range of different topics that cover the KS3 National Curriculum areas whilst providing them all with ample opportunity to find wonder in the complexity of the world around us.

We are currently developing the KS3 program further which means that the shape of the Year 7 course has changed this year and as this cohort progress through to Years 8 and 9 we will continue to roll out these changes to provide a more in-depth and supported program of study. Those students in Years 8 and 9 who are already engaged on their educational journey through Science at SGTG will continue to follow the existing excellent schemes of work with additional material to again support and challenge.

Our KS3 provision ensures a solid foundation upon which our students can build a successful KS4 as well as allowing for opportunities to assess progress and use this information to make choices about future levels of entry and choices.

KS3 Science Course Content

Year 7

Introduction to Science
Biology Unit 1 What am I?
Biology Unit 2 Digestion
Chemistry Unit 1 Particles and Energy
Chemistry Unit 2 Solutions and Acids
Physics Unit 1 Space
Physics Unit 2 Electricity, Energy and Light
Practical Skills Unit 1
Practical Skills Unit 2

Year 8

Nutrition and Digestion
States of Matter
Photosynthesis and Respiration
Waves
Elements, Mixtures and Compounds
Space
Ecological Relationships
Rocks and Earth
Energy

Year 9

Fitness and Health
Microbiology and Genetics
Atomic Structure and Reactions of Metals
Types of Reaction
Climate Change
Forces
Pressure
Speed and Velocity