



Year 11 Science



What have students at St. Crispin's been taught to understand and be able to do?

Core Knowledge

Students start their GCSE course in Year 9

Biology - Inheritance

Students will recap knowledge on cell structure as they are introduced to DNA and cell division. They then learn about how our characteristics are inherited before.

Biology - Evolution

Students revisit previous ideas on competition and variation (from genetics) and learn about how the process of evolution takes place. Students learn about different classification systems.

Biology - Revision program

Combined science students will finish content shortly after the Winter mocks and start a revision program that revisits all of the topics taught previously.
Triple Science students will complete content around February half term and start their revision program.

Chemistry - Rate of reaction

Students learn about factors that effect the rate of reaction and the role of catalysts.

Chemistry - Organic chemistry

Students learn about the role of crude oil and how it is obtained and used.

Chemistry - Chemical analysis

Students learn different methods to identify common chemicals such as oxygen. Triple science students use a greater range of techniques such as mass spectrometry.

Chemistry - Revision program

Combined Science students will finish content shortly after the Winter mocks and start a revision program that revisits all of the topics taught previously.

Core Skills



Year 11 Science continued



What have students at St. Crispin's been taught to understand and be able to do?

Core Knowledge

Chemistry - Revision program

Triple Science students will complete content around February half term and start their revision program.

Physics - Molecules and matter

Students revisit the structure of matter and heat transfer, learning about internal energy, specific heat capacity and change of state.

Physics - Electricity in the home

Students revisit concepts previously taught in Year 10 on electric circuits, applying their knowledge to devices in the home.

Physics - Triple

Triple Science students revisit waves and light, electromagnetism and the generator, forces and buoyancy and space. Each time learning new concepts building on previous learning.

Physics - Revision program

Combined Science students will finish content shortly after the Winter mocks and start a revision program that revisits all of the topics taught previously.

Triple Science students will complete content around February half term and start their revision program.

How has learning been assessed?

In Year 11 students will develop their exam technique, using more exam paper style tasks with written mocks in December and March. Some groups of students will be given further support in a walking talking mock in place of one of their mock exams. This teacher led session models effective exam question answering.

What is coming up in the following year?

Students have now completed their GCSE Studies.