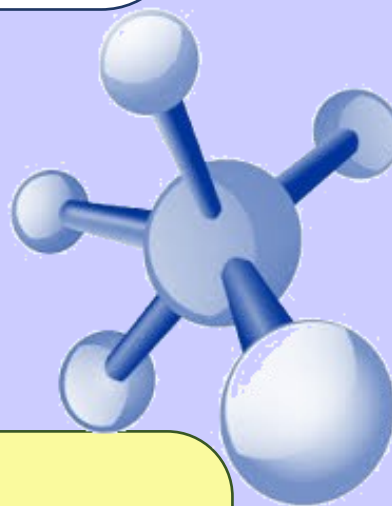


### Overview

Overview: Students will build on their knowledge gained in year 7, 8 and 9 to develop and deepen their understanding of topics in chemistry, biology and physics. Students will be exposed to everyday examples and possible careers in these areas.

# Year 10 Science



### Term 3

Students will develop their knowledge of photosynthesis and respiration and look at the uses of glucose. In Chemistry students will use their knowledge of chemical reactions and atoms and elements to explain endothermic and exothermic reactions. In Physics, students move on from the structure of the atom to looking at alpha, beta and gamma radiation.

### Term 1

In biology students will build on their knowledge of cells by looking at how these then make up organs and organ systems. In Chemistry, students will build on their knowledge of atomic and electronic structure to understand about covalent, ionic and metallic bonding. In physics, students will move on from how electricity can be generated to how current, potential difference and resistance can be calculated.

### Term 2

Students will move on from looking at organs of the body to how infections can affect the body and how we can treat these.

In Chemistry, students will use their prior knowledge on the periodic table to balance equations for chemical reactions. The physics units during this term will support this as they are revisiting the structure and development of the atom.

