

## Year 12

### **Biological Molecules**

We explore the fundamental building blocks of organisms- the molecules of which their cells are composed. We explore carbohydrates, lipids, proteins, nucleic acids and water

### **Cells**

Cells share basic features and yet show remarkable diversity in both structure and function. We explore cell structure, transport and cell recognition and the immune system.

### **Organisms exchange substances with their environment**

All cells exchange material between themselves and their environment. We explore exchange in animals as well as mass transport in both animal and plant system.

### **Genetic information, variation and relationships**

We explore DNA, genes and protein synthesis, genetic diversity and adaptation and biodiversity

