Year 12

LEARNING JOURNEY

Organic

Chemistry Year 12 Spring Term

Halogenoalkanes; Alkenes; Alcohols

Organic chemistry is the study of the millions of covalent compounds of the element carbon. These structurally diverse compounds vary from naturally occurring petroleum fuels to DNA and the molecules in living systems. Organic compounds are named using the International Union of Pure and Applied Chemistry (IUPAC) system and the structure or formula of molecules can be represented in various different ways. Organic mechanisms are studied, which enable reactions to be explained.



You will work on the new processes learnt and self-regulation to develop an understanding of the different ways compounds can be drawn and how isomerism can be used to represent substances with the same general formula.

Substitution, Elimination, Free radicals, Depletion, CFC's, Electron density, Polymers, Plasticisers, Fermentation, Oxidation.