




# Stalham High School - Subject Curriculum Overview

## Subject: Chemistry

### Year:11

Half -Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Themes/ Content/ Units covered</b> 	<b>Rates of Reaction</b> Calculating rates, factors affecting rates Required practical investigations Catalysts Reversible reactions and equilibrium Drawing tangents	<b>Organic Chemistry</b> Crude oil, hydrocarbons and their properties Fractional distillation Cracking alkenes <b>SS ONLY:</b> Reaction of alkenes, alcohols, carboxylic acids, polymerisation, amino acids and DNA	<b>Chemical Analysis</b> Pure substances and formulations Chromatography and Rf values Testing for gases, <b>SS ONLY:</b> Ion tests and Chemical tests <b>SS ONLY:</b> Instrumental methods	<b>Atmospheric Chemistry</b> Early atmosphere and today's atmosphere Human activities, pollutants, global warming and climate change	<b>Using Resources – Sustainable Development</b> Using earth's resources and alternative methods of metal extraction Life cycle assessments Potable water and waste water treatment <b>SS ONLY:</b> NPK Fertilisers; Ceramics, Polymers and composites; Corrosion; Habor Process	