|  |
| --- |
| **Subject: Chemistry** |
| **Year:11** |
| Half -Term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Themes/Content/A can of a product  Description automatically generated with medium confidenceUnits covered | **Rates of Reaction** Calculating rates, factors affecting rates A cartoon rocket ship with red and blue stripes  Description automatically generatedRequired practical investigationsA purple and green masks with a sad face  Description automatically generatedCatalystsReversible reactions and equilibriumA cartoon rocket ship with red and blue stripes  Description automatically generatedDrawing tangents | **Organic Chemistry**Crude oil, hydrocarbons and their propertiesA cartoon rocket ship with red and blue stripes  Description automatically generatedFractional distillationA cartoon rocket ship with red and blue stripes  Description automatically generatedCracking alkenes**SS ONLY:**Reaction of alkenes, alcohols, carboxylic acids, polymerisation, amino acids and DNA  | **Chemical Analysis**Pure substances and formulationsA cartoon rocket ship with red and blue stripes  Description automatically generatedChromatography and Rf valuesTesting for gases, A cartoon rocket ship with red and blue stripes  Description automatically generated**SS ONLY:** Ion tests and Chemical testsA cartoon rocket ship with red and blue stripes  Description automatically generated**SS ONLY:** Instrumental methods | **Atmospheric Chemistry**Early atmosphere and today’s atmosphereA rainbow colored heart with arrows  Description automatically generatedHuman activities, pollutants, global warming and climate change | **Using Resources – Sustainable Development** Using earth’s resources and alternative methods of metal extractionA drawing of a book  Description automatically generatedLife cycle assessmentsA cartoon rocket ship with red and blue stripes  Description automatically generatedPotable water and waste water treatment **SS ONLY:**A cartoon rocket ship with red and blue stripes  Description automatically generatedNPK Fertilisers; Ceramics, Polymers and composites; Corrosion; Habor Process |  |