

Grade 13 Chemistry Syllabus

Term 1

- Structure and formulae
- Functional group analysis
- Reaction of mechanisms
- Acidic and basic character of organic compounds
- Macromolecules
- Uncertainty in measurements
- Volumetric analysis
- Gravimetric analysis

Term 2

- Spectroscopic methods of analysis
- Ultra-violet-visible spectroscopy
- Infrared spectroscopy
- Chromatographic methods of separation
- Phase separations
- Location of industrial plants, benefits and risks
- Aluminium
- Ammonia
- Sulphuric acid
- The atmosphere
- Chlorine alkali industry
- Solid waste
- Crude oil
- Ethanol
- Water