



Course Information

Science Chemistry | CHE

GENERAL

GTCHE





Unit 3 Chemistry in daily life

In this unit, students further investigate the role that chemistry plays in their daily lives. They begin by investigating the naturally occurring, smelly, yellow-to-black liquid consisting of a complex mixture of hydrocarbons of various molecular weights, and other liquid organic compounds, that is crude oil. They examine its composition and the chemistry of some of the compounds that comprise it. This leads to an investigation of other oils, their sources, properties and uses, and finally, they consider the constituents, properties, and uses of polymers. Students appreciate the role of chemistry in contributing to a sustainable future by investigating recycling and disposal of community chemical wastes.

Unit 4 Chemistry of metals and biochemistry

In this unit, students investigate the chemistry of metals, and the physical and chemical properties of this crucially important group of materials. They will test the properties of metals and relate these to their means of extraction, purification and uses. Finally, students will consider the properties of alloys and the deleterious effects of corrosion.

The second field is the chemistry associated with living processes. In this biochemical field, students will investigate the structure and function of two groups of chemicals, proteins, and carbohydrates. Their roles in exercise and the factors that affect the catalytic function of the particular group of proteins, enzymes, will be studied and related to changing conditions of their environment in the body.

 Prerequisites Minimum C grade in Year 10 Science or equivalent standard	 Year of Study Year 12	 Type of Assessment 40% Science Inquiry 20% Extended Response 25% Test 15% Externally Set Task	 Costs Unit Pair \$65
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