CHEMISTRY AS 90932 Demonstrate understanding of aspects of carbon chemistry Level 1, 4 Credits

This achievement standard involves demonstrating understanding of the structure, properties, production, uses, importance and effects of carbon and its chemistry.

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of aspects of carbon chemistry.	Demonstrate in-depth understanding of aspects of carbon chemistry.	Demonstrate comprehensive understanding of aspects of carbon chemistry.

C±m			
Struc	cture		
	names of carbon compounds using systematic nomenclature \circ alkanes: straight chain alkanes which contain no more than eight carbon atoms \circ alkenes: ethane and propene \circ alcohols: methanol and ethanol structural formulae $ \begin{array}{ccccccccccccccccccccccccccccccccccc$		
Prop	erties H		
	<pre>solubility in water trends in melting and/or boiling points complete and incomplete combustion reactions o effects of combustion products on human health and the environment. polymerisation reactions o ethene o propene</pre>		
Prod	uction		
	fractional distillation of crude oil cracking of fractions fermentation methanol from natural gas		
Uses	and importance		
	fuels		
	polymers from ethene and propene		