

High Tunstall College of Science Curriculum Intent

Subject: Chemistry Year: 9

Thread 5—Organic chemistry and chemical detection



	Chemistry Thread 5	Progress		
Topic	Key ideas	R	A	G
Organic chemistry and chemical detection	I can recall how crude oil is formed, and what it is made of			
	I can explain how crude oil is separated by the process of fractional distillation			
	I can compare pure substances and formulations			
	I can explain how to test for common gases			

Lesson	Learning Focus	Assessment	Key Words
1	What is crude oil made of?	Completion of differentiated tasks	Hydrocarbon, crude oil, fossil fuel
2	How do we separate crude oil?	Completion of SOLO tasks linked to fractional distillation	Distillation, fractional distillation, hydrocarbon chain length, condense, evaporate
3	What are pure substances ?	Problem solving activities to identify pure substances and formulations	Pure, formulation, melting point, boiling point
4	What are formulations?	Identification of formulations and active ingredients in these. Application to real life contexts	Pure, formulation, melting point, boiling point
5	How do we identify gases?	Completion of practical work and conclusions made	Lime water, oxygen, carbon dioxide, hydrogen, chlorine