

# High Tunstall College of Science Curriculum Intent

Subject: Chemistry Year: 7

## Thread 5—Organic chemistry and chemical detection



	Chemistry Thread 5	Progress		
Topic	Key ideas	R	A	G
Organic chemistry and chemical detection	I can define atoms, elements, compounds and mixtures			
	I can explain what a pure substance is			
	I can explain how chromatography is used in real life applications			
	I can explain how fossil fuels, including crude oil, are formed			
	I can identify the products of burning fuels and explain why these may be harmful to the environment			

Lesson	Learning Focus	Assessment	Key Words
1	What is a pure substance?	Identification of pure substances and mixtures, and comparison of these	Element, compound, mixture, <b>pure</b>
2	How can we use Science to solve crimes?	Conclusion from practical work	<b>Chromatography</b>
3	How is crude oil formed?	Differentiated task looking at formation of crude oil	Crude oil, fossil fuels
4	What happens when we burn fuels?	Completion of extended writing task	Reactant, product, <b>global warming</b>
5	Retrieval	Formative assessment	