Prior Leanin	10.	Students have already covered 7H elements, atoms and compounds as well as 7G particles, so will have an understanding of how particles can interact and join up in chemical reactions, such as combustion.						
Lesson Number	Title	Lesson Objectives	Content	Key words	Assessment/Homework			
1	Burning fuels	What forms when a fuel reacts with oxygen?	 Describe the reactions of hydrogen and hydrocarbons with oxygen Use words equations to represent combustion reactions 	ReactantsProductsFossil fuelsHydrocarbonsCombustion				
2	Oxidation	How do metals react with oxygen?	 Describe oxidation reactions of metals and non-metals Explain what happens to the mass of something when it undergoes oxidation 	Metal-oxidesConservation of mass				
3	Fire Safety	How do you stop a combustion reaction?	 Use the fire triangle to explain how to control a fire Identify hazard symbols for substances likely to cause fires 	 Exothermic Thermometer Hazard symbol Fire triangle Fire extinguisher 	20-mark multiple choice quiz			
4	Air pollution	How can burning fuels cause pollution?	 Describe pollutants that are formed by burning fuels Explain how pollutants can cause environmental problem Make suggestions of what can be done to reduce pollutants 	 Complete combustion Incomplete combustion Soot Filter Impurities Pollutants 				

YEAR 8			8E COMBUSTION	LEARNING JOURNEY	LEARNING JOURNEY	
5	Global warming	Is pollution causing global warming?	 Describe global warming and how it is caused Explain how human activity may be causing global warming 	Global warming Climate change		

Revision and Test

Where	we	will	use
these	idea	as ac	ain

B8: Ecology: carbon cycle, global warming
C7: Hydrocarbons: complete and incomplete combustion
C9: The atmosphere: global warming and atmospheric pollution from fuels