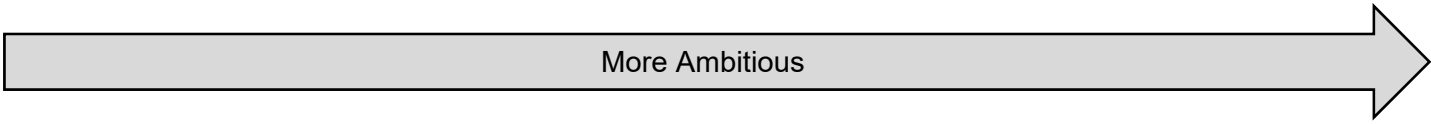


We will learn: Reactions

Element				
1. Chemical reactions	State some signs of a chemical reaction.	Classify chemical reactions and physical reactions from practical observations.	Explain what happens to atoms in chemical reactions.	Compare chemical reactions to physical changes.
2. Word equations	Identify reactants and products in word equations.	Write word equations for a number of chemical reactions.	Construct formula equations for a number of chemical reactions if given word equation.	
3. Burning Fuels	Describe the term combustion.	Predict products of combustion reactions.	Construct formula equations for combustion reactions.	Explain benefits and disadvantages of some oxidation reactions.
4. Thermal Decomposition	Describe what we mean by the term thermal decomposition.	Use a pattern to predict products of decomposition reactions.	Write formula equations for decomposition reactions.	
5. Conservation of mass	State what happens to the mass of the reactants and products in a chemical reaction.	Explain conservation of mass in chemical reactions.	Calculate masses of reactants and products.	I can apply the conservation of mass in unfamiliar situations, giving a reasoned explanation.
6. Exothermic and endothermic	Describe what makes a reaction exothermic or endothermic.	Classify experiments as exothermic or endothermic.	Apply temperature changes to exothermic and endothermic changes in unfamiliar situations.	

