

UBD Unit Design Template

Time Frame: 3 weeks	Unit Title: Chemical Reactions	Course Name: Physical Science
Stage 1: Desired Results		
Established Goal(s)	Transferable Skills	
<u>Enduring Understandings</u> NGSS HS-PS1-2 Chemical Reactions HS-PS1-7 Chemical Reactions NJSHS Competencies Structure and Function Cause and Effect Nature of Science 21st Century Skills Teamwork Self-discipline Presentation Wellness literacy	Students will be able to independently use their learning to... Work safely around chemicals Understand MDS Understand ratio and proportion	
	Meaning	
	<u>Understandings</u> Students will understand... <ul style="list-style-type: none"> • How to balance chemical equations • The types of chemical reactions • Working with chemicals safely • how to read an MSD sheet 	<u>Essential Questions</u> How do elements combine to form new substances
	Acquisition	

	<p>Students will know...</p> <ul style="list-style-type: none"> • There are five chemical reaction types • Balancing chemical equations • Safe lab practices • Measuring and pouring chemicals • How to read an MSD 	<p>Students will be able to...</p> <ul style="list-style-type: none"> • Identify and describe the types of chemical reactions • Students will be able to use computational skills to balance chemical equations • Understand the important parts of an MSD • shear to lab safety practices to conduct a chemical experiment
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