

## Stage 1 Desired Results

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<b>ESTABLISHED GOALS (CCSS)</b>  <b>RST 11-12.1-3</b>  <b>RST 11-12.4-6</b>  <b>RST 11-12.&amp;-9</b>  <b>WHST 11-12.2.a-e</b>  <b>R1 11-12.1-4</b>  <b>R1 11-12.7</b>	<i>Transfer</i>				
	<p><i>Students will be able to independently use their learning to...</i></p> <p>Explain the driving force of reactions, the process of reactions, the rate of reactions, and the basics of thermochemistry.</p>				
	<i>Meaning</i>				
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<i>Acquisition</i>					
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Stage 2 - Evidence					
Evaluative Criteria	Assessment Evidence				
<b>PERFORMANCE TASKS</b>	<p><b>CURRICULUM EMBEDDED PERFORMANCE ASSESSMENT (PERFORMANCE TASKS):</b></p> <ul style="list-style-type: none"> <li>- Lab reports that involve construction of graphs, data charts, and data analysis.</li> <li>- Exam with a built in performance task of predicting the identity of an unknown metal based on its specific heat.</li> </ul>				

		<b>OTHER EVIDENCE:</b>			
		<ul style="list-style-type: none"> <li>- Students will complete a lab that requires students to design data charts and graphs using proper scientific units, and draw conclusions based on their data.</li> <li>- Test on Thermochemistry <ul style="list-style-type: none"> <li>o Balancing equations</li> <li>o Calculating; heat of formation, specific heat, free energy, and reaction rates</li> <li>o Naming inorganic compounds</li> </ul> </li> <li>- Homework</li> </ul>			
CLAIMS	LA M	<u>CLAIM 1</u>	<u>CLAIM 2</u>	<u>CLAIM 3</u>	<u>CLAIM 4</u>
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DEPTH OF KNOWLEDGE LEVELS		<u>DOK 1</u>	<u>DOK2</u>	<u>DOK 3</u>	<u>DOK4</u>
ACHIEVEMENT LEVEL DESCRIPTORS		<u>ALD 1</u>	<u>ALD 2</u>	<u>ALD 3</u>	<u>ALD 4</u>
<b>Stage 3 – Learning Plan</b>					
<b>Summary of Key Learning Events and Instruction</b>		<ul style="list-style-type: none"> <li>- Take notes on Thermochemistry <ul style="list-style-type: none"> <li>o Define vocabulary words i.e. entropy, enthalpy, calorimeter, etc.</li> </ul> </li> <li>- Complete labs <ul style="list-style-type: none"> <li>o Calorimetry</li> </ul> </li> <li>- Complete homework <ul style="list-style-type: none"> <li>o Configuring heat of formation, specific heat, and free energy.</li> </ul> </li> <li>- Use of white boards to show understanding</li> <li>- Have a review day <ul style="list-style-type: none"> <li>o Review worksheet</li> </ul> </li> <li>- Take test on Thermochemistry</li> </ul>			