

Stage 1 - Desired Results				
<p>ESTABLISHED GOALS (CCSS)</p> <p>RST 9.1 - Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions.</p> <p>RST 9.3 - Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text.</p> <p>RI 9.2 - Determine a central idea of a text and analyze its development over the course of the text, including how it emerges and is shaped and refined by specific details; provide an objective summary of the text.</p> <p>WHST 9.2.d-f - Provide a concluding statement or section that follows from and supports the information or explanation presented (e.g., articulating implications or the significance of the topic).</p>	<i>Transfer</i>			
	<p><i>Students will be able to independently use their learning to...</i></p> <p>Apply the Scientific Method Identify the 4 branches of Earth Science</p>			
	<i>Meaning</i>			
	<p>UNDERSTANDINGS <i>Students will understand that...</i></p> <p>There is a systematic approach to problem solving. The 4 branches of Earth Science are related.</p>	<p>ESSENTIAL QUESTIONS:</p> <p>What is the first step in solving a problem?</p> <p>What will you do to solve the problem?</p> <p>Compare & contrast the 4 branches of Earth Science.</p>		
<i>Acquisition</i>				
<p><i>Students will know...</i></p> <p>The steps of the Scientific Method and how to apply them. The 4 branches of Earth Science.</p>	<p><i>Students will be skilled at...</i></p> <p>Observation, recording data, measurement, communicating results. Identifying examples and career fields within geology, meteorology, oceanography, and astronomy.</p>			
Stage 2 - Evidence				
Evaluative Criteria	Assessment Evidence			
PERFORMANCE TASKS	<p>CURRICULUM EMBEDDED PERFORMANCE ASSESSMENT (PERFORMANCE TASKS):</p> <p>Formulate scientific questions. Write testable hypotheses. Make and record accurate observations and measurements. Analyze data. Write clear conclusions. Read, identify, and write about definitions and examples of the 4 branches of earth science.</p>			
CLAIMS	CLAIM 1	CLAIM 2	CLAIM 3	<u>CLAIM 4</u>
DEPTH OF KNOWLEDGE LEVELS	<u>DOK 1</u>	DOK2	DOK 3	<u>DOK4</u>
ACHIEVEMENT LEVEL DESCRIPTORS	ALD 1	<u>ALD 2</u>	ALD 3	<u>ALD 4</u>



Stage 3 – Learning Plan

Notes/discussion – Scientific Method, 4 branches, metric system, big bang theory

Forming Hypotheses Assignment

Sensible measurements

Mass/volume/density & metric measurement LAB

Metric Conversion

Data Collection

DRAFT