

HISI - Module Overview

Module Title Chemistry

LS Team FESD_5th grade Kamikaze

Geckos _____ Grade level(s): 5

# of lessons: 9	Natural Resources <u>x</u> Renewable Energy <u>_____</u>
<p>Big Idea – Student Learning</p> <p>What is Chemistry? What jobs involve chemistry?</p>	<p>Learning Targets – “I Can” Statements</p> <ul style="list-style-type: none"> • I can answer questions that have been investigated and predict reasonable outcomes based on patterns such as cause and effect relationships • I can show evidence of my learning through verbal explanation, writing, diagrams, and pictures/videos on the tablet • I can use prior knowledge to describe problems that can be solved
<p>Prior Knowledge:</p> <p>Metric system measurement Atoms, molecules, compounds</p>	
<p>How are STEM integrated? Collaboration among 5th grade Science- energy, chemical reactions, categorizing and classification Technology- tablets to observe and document chemical reactions</p> <p>Tablets used to create summative presentation of chemical reaction lab Math- measurement, number sense as well as algebraic thinking</p>	<p>Community/Place-based connections:</p> <p>Local careers chemistry influenced. Also students need basic knowledge of elements and chemicals so that they don’t mix and create hazardous materials in our watersheds. Students also need basic chemistry knowledge so they don’t mix household chemicals and harm themselves or others.</p>
<p>What will be some community benefits? Teaching students the importance of not mixing harmful chemicals. For example when doing everyday cleaning students should never mix bleach and ammonia.</p>	<p>STEM College/Career Connections:</p> <p>Pharmacist Chemical engineer Chemistry teacher http://stemcareer.com/</p>

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<p>Assessment: What evidence of learning will you gather across the module's implementation?</p> <p>Adopt an element</p> <p>Fizz quiz observation worksheet</p> <p>Student technology journals with tablets(videos, notes, and pictures of lessons for review)</p>	<p>General Outline of the Module:</p> <p>See attached document</p>
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