

DRAFT - DO NOT COPY - FOR DISCUSSION/FEEDBACK PURPOSES ONLY

<p>Evaluate: How will students demonstrate their mastery of the learning objective(s)?</p>	<p>Group presentations and notebook entry.</p>	<ul style="list-style-type: none"> Resources for Energy quest: http://energyquest.ca.gov/story/index.html 	<p>Asking Questions and Defining Problems. (4-PS3-3) Planning and Carrying Out Investigations. (4-PS3-2) Constructing Explanations and Designing Solutions. (4-PS3-1) Apply scientific ideas to solve design problems. (4-PS3-4) Obtaining, Evaluating, and Communicating , (4-ESS3-1)</p>	<p>(4-PS3-3) PS3.D: Energy in Chemical Processes and Everyday Life. (4-PS3-4) ESS3.A: Natural Resources. (4-ESS3-1) ETS1.A: Defining Engineering Problems. (secondary to 4-PS3-4)</p>	<p>Cause and Effect Cause and effect relationships are routinely identified and used to explain change. (4-ESS3-1) Energy and Matter Energy can be transferred in various ways and between objects. (4-PS3-1), (4-PS3-2),(4-PS3-3),(4-PS3-4)</p>
<p>Extend: How will students deepen their conceptual understanding through use in new context?</p>	<p>After all group presentations have been completed and discussed, have students write a persuasive essay in which they recommend a renewable energy technology that could potentially be used in their community. They should offer evidence to support their recommendation, including the environmental and/or economic benefits of this resource.</p>	<ul style="list-style-type: none"> Notebooks 	<p>-Defining Problems. (4-PS3-3) -Constructing Explanations and Designing Solutions. (4-PS3-1) -Apply scientific ideas to solve design problems. (4-PS3-4) -Obtaining, Evaluating, and Communicating , (4-ESS3-1)</p>	<p>(4-PS3-4) ESS3.A: Natural Resources. (4-ESS3-1) ETS1.A: Defining Engineering Problems. (secondary to 4-PS3-4)</p>	<p>Cause and Effect Cause and effect relationships are routinely identified and used to explain change. (4-ESS3-1) Energy and Matter Energy can be transferred in various ways and between objects. (4-PS3-1), (4-PS3-2),(4-PS3-3),(4-PS3-4)</p>