

Let's 'Make' Soap – A Single Point Rubric

The goal of this project is to use chemical principles to create an original product that is functional and allows you to express your creativity. The rubric highlights important project elements and focuses on the process of 'making' soap as well as science content. You can use this rubric to guide and reflect on your work.

Concerns <i>Areas that Need Work</i>	Criteria	Highlights <i>Areas Going Over and Above</i>
	<p>Personal Relevance You create an original product and can describe its connection to your outside values or interests</p>	
	<p>Iterative Design and Fabrication You provide evidence of the evolution of the creation including brainstorming notes, drawings, and/or prototypes</p>	
	<p>Collaboration and Community You collaborate and connect with others to get design ideas, solicit feedback, or make improvements</p>	
	<p>Sharing Work Products are presented publicly and you are able to clearly share ideas about your process and product with others</p>	
	<p>Maker Mindset Habits of a maker mindset including persistence, reflection, and adaptability are demonstrated throughout the project</p>	
	<p>Content Connection You are able to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Describe the pH scale, including the relationship between H⁺ and OH⁻ ions, and <input type="checkbox"/> Discuss its application to the soap making process 	
	<p>Content Connection You are able to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Describe the basics of the saponification process <input type="checkbox"/> Identify polar and non-polar regions of soap molecules and <input type="checkbox"/> Explain how this structure enables soap to function 	
	<p>Content Connection You are able to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Discuss how the transfer of energy takes place in soap making process 	