

Sustainable energy project rubric.

As American society approaches its natural limits involving limited resources, energy has become one of the most important topics of our time. If we are to achieve sustainability, we will need to re-vision the future and change our energy policies and practices. This project is an opportunity for you to be a part of that change. The goal is to research a question of interest regarding energy sustainability. Draw some conclusions about your research based at least in part on your knowledge of physics concepts and calculations. Present your findings in a presentation to the class and the community.

Sustainable energy project criteria	Below basic standard (1 pt.)	Meets basic standard (2 pts.)	Exceeds basic standard (3 pts.)
1. What are your driving questions and goals? Describe the driving questions and goals. Why is this important to know?	Question does not address an issue related to energy.	Question is somewhat related to energy issues.	Question addresses a real issue related to energy.
2. What is your plan? Include your project proposal.	Plan and protocol lack sufficient details and steps.	Plan and protocol contain sufficient detail and steps.	Plan and protocol are logical with easy-to-follow steps.
3. What did you find out? Describe your findings and results.	Data and results are incomplete and inconclusive.	Data and results are complete and conclusive.	Data and results are complete, accurate, and neatly organized.
4. What is your recommendation? Do you recommend this as an alternative energy form? What are some potential obstacles?	Recommendations are illogical and do not match the question. Obstacles are not included.	Recommendations match the stated problem. One to two obstacles are listed.	Recommendations are comprehensive. Three to four obstacles are listed.
5. What is the science behind it all? Describe the energy concepts related to your project.	Science concepts and principles do not adequately describe the science behind the problem.	Science concepts and principles adequately describe the science behind the problem.	Science concepts and principles are comprehensive and adequately describe the science behind the problem.
6. Who are your references and consultants? Must include contact with a "community expert" and submit a list of references.	Experts and references are not directly related to the question.	One to two experts and references that speak directly to the question are included.	Three to four experts and references that speak directly to the question are included.

<p>7. How well do you convey your ideas?</p> <p>Presentation includes appropriate use of media, backgrounds, readable fonts, bulleted ideas, clear articulation, eye contact, and competence.</p>	<p>Presentation is disorganized.</p> <p>Articulation is unclear.</p> <p>Presenters do not speak directly to the audience.</p>	<p>Presentation is organized.</p> <p>Articulation is clear. Presenters speak directly to the audience.</p>	<p>Presentation is highly organized and creative.</p> <p>Articulation is clear. Presenters speak directly to the audience.</p>
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