

Presentation Rubric

Criteria	Score			
	Missing or Unacceptable (0)	Needs Improvement (1)	Meets Expectations (2)	Exceeds Expectations (3)
Presentation includes multiple energy resources and describes them. (Obj 1, 5)	Presentation does not include multiple resources for energy.	Presentation addresses the sources of energy used in the plan, but does not sufficiently describe them.	Presentation includes and describes three of the main sources of energy.	Presentation includes all of the sources of energy used in the plan.
Diagrams the process for converting energy into usable form. (Obj 3, 5)	Does not lay out energy conversions in the plan.	Gives a simple list of the energy conversions included in the plan without explanation	Explains the processes of energy conversions in the plan.	Explains and describes the processes involved for energy conversion.
Explains energy storage techniques for going “off the grid.” (Obj 2, 3, 5)	Does not discuss storage for energy	Mentions storage of energy but does not give a sufficient explanation for techniques	Explains the techniques used for storing energy using appropriate scientific terminology	Explains and describes all the storage techniques used in the plan and their benefits using appropriate scientific terminology.
Presenters speak clearly without hesitation (Obj 5)	Explanations by several members of the group do not illustrate much understanding of scientific principles underlying the construction and modifications.	Explanations by most group members indicate relatively accurate understanding of scientific principles underlying the construction and modifications. .	Rehearsed with fairly smooth delivery. Explanations by all group members indicate a relatively accurate understanding of scientific principles underlying the construction and modifications.	Well-rehearsed with smooth delivery. Explanations by all group members indicate a clear and accurate understanding of scientific principles underlying the construction and modifications.
Clarity of Presentation (Obj 5)	Presentation is unclear or does not aptly describe the techniques for going off the grid in a way that is understandable	Presentation is somewhat clear but leaves audience with gaps in understanding of the plan	Presentation is clear and audience can sufficiently understand the general plan.	Presentation is clear and understandable and diagrams the techniques used in the plan.

Artifact Rubric

Criteria	Score			
	Missing or Unacceptable (0)	Needs Improvement (1)	Meets Expectations (2)	Exceeds Expectations (3)
Selected energy source for each individual phase (Obj 1, 2, 6)	Plan missing reasons why selected energy sources are superior	Plan includes 1-2 reasons why selected energy sources are superior	Plan includes 3-4 reasons why selected energy sources are superior	Plan includes 5 or more reasons why selected energy sources are superior
Mathematics associated with energy source and conversion at each phase (Obj 3, 6)	Plan missing mathematics for energy conversions	Plan has mathematics for some phases, but is unclear or incorrect	Plan has mathematics for all phases, but is unclear or incorrect, for some phases and is complete and clear	Plan has mathematics for all phases, and is complete and clear
Benefits of energy sources at particular phases (English 3B, 6A, 6D) (Obj 2, 4, 6)	Plan missing benefits on all phases	Plan includes benefits for one phase	Plan includes benefits for two phases	Plan includes benefits for all three phases
Graphics and Energy diagrams (Obj 3, 6)	Graphics and energy diagram are missing	Graphics are messy or unclear	Graphics are well designed and convey useful information	All graphics are well designed and very informative
Attractiveness (Obj 6)	Plan is exceptionally messy or poorly organized	Plan is messy and lacks effort.	Plan is attractive in terms of design and layout	Plan is exceptionally attractive in terms of design and layout