

QuikScience Challenge

Solution for Environmental Challenge Guidelines High School

Introduction: The 2009 QuikScience Challenge includes a new component to inspire student-generated creative solutions to current environmental challenges. We have confidence in the untapped creative potential of students' minds and want to challenge "the way things have always been done" to engage students in science. We want you to look at complex problems, understand the interconnectedness of the entire environment, and then use your imaginative perspective to develop your ideas into actions. What are the current and future environmental challenges from a marine and aquatic perspective? How do they encompass and connect to other aspects of the environment (terrestrial, atmospheric)? What solutions can be proposed?

So, now that you've come up with an exciting and creative community service plan, you've designed an amazing lesson plan, and you are looking for a topic for your research proposal...what's next? We have a challenge for you...we need a solution to an environmental problem from your team. This is where you can let your imagination run wild. Off-the-wall ideas and pie-in-the-sky plans are where innovative ideas and future technologies come from. We want you to come up with your very own solution to the environmental problem you are addressing in your research proposal. It should be creative and unique. You may want to involve your classroom and brainstorm on ideas or choose from current events. It should be included as a part of your Research Proposal. Here are the guidelines.

Guidelines:

1. Describe the "Environmental Challenge" your team wishes to solve. Choose a topic that represents important current and future environmental challenges.
2. Describe how your "Environmental Solution" would be carried out. If you choose to be inspired by a solution currently on the market (or thought up by someone else), explain how your solution expands on their idea, yet is still unique enough to be your own.
 - Would an agency have to be set up, or can it be accomplished by individual actions, or would you need an army of volunteers?
 - List of the kinds of technology/policies/laws that would be needed to carry out your solution. If they don't exist yet, give a description so that a judge can understand why it is needed.
 - Include a budget in your environmental solution. Your solution does not have to be cheap or home-made (although it can be if you want), but it should take into account the fact that nothing can happen without funding. Your solution can be as cheap or as expensive as you want it to be.
3. The "Environmental Solution" of your research proposal should be 1-2 pages long, not including tables, figures or drawings, and be included in your research proposal. You must cite any references you use, or ideas by other people that you mention.