

Community Recommendation Report for Climate Change Design Challenge Final Presentation

In total, your report should be 4-6 pages in length. The report should convince the reader that your issue needs to be addressed, that your adaptation design can successfully address the threat, and that the community should implement your design or project.

1. Introduction

- a. Explain the coming challenges that will result from climate change and how it will affect your community. Remember, your audience may not know as much about the causes, signs, and impacts of climate change.

2. Ask

- a. Share the specific goal you have set for yourself. In other words...
 1. What issue are you addressing (sea level rise, food insecurity, etc.)?
 2. What specific local impact are you developing an adaptation solution to?
 3. How will this help your community

3. Imagine

- a. Include your thought process and some of the other ideas you had for addressing the issue.
- b. Include at least three ideas that you had during your brainstorming session.

4. Plan

Introduce your chosen solution

- a. Explain how your chosen design will help to address your chosen climate impact
- b. Include your detailed, labeled sketch to help better explain your design
- c. This image can be up to 1 page

5. Create

- a. Include either
 - i. A photo of your 3D model for your adaptation design idea.
 - a. This image can be no more than ½ page.
 - OR
 - ii. Your detailed model and implementation plan
 - a. This plan should be no more than 1 page.

6. Test & Improve

- a. State and explain how you can or would test a real working model of your design or solution
- b. If any real tests or simulations were run, please explain and provide results

7. Conclusion

- a. Make a persuasive argument to your community that climate change impacts will need to be addressed, and that your design should be adopted and implemented to safeguard your community.

Scoring Rubric

| | Criteria | Possible Points |
|---|---|-----------------|
| 1 | Project addresses challenge with realistic and feasible within current scientific understanding | 5 |
| 2 | Quality of additional research | 10 |
| 3 | Clearly explains How this project will mitigate or adapt to climate change | 20 |
| 4 | Includes related scientific (or social science) foundation, research, findings etc. | 10 |
| 5 | Effective use of visual aids (models, 3D prototype, photos, graphs, etc.) | 5 |
| 6 | Quality and relevance/utility of model or prototype | 15 |
| 7 | Possibility for project implementation | 5 |
| 8 | Presentation | 10 |
| | Total Points | 80 |