



The **Project Portfolio** is a document that uses narrative and images to tell the story of your team's biomimicry design and process for developing it. Along with the video pitch, the portfolio is the primary work product that judges will evaluate to make award decisions, so you should make sure it presents your work clearly and professionally. You should also review the **Challenge Rubric** and **Team Self-Assessment** so you know what the judges will be looking for.

Minimum Criteria:

- PDF file, no more than 14 pages long.
- Pages should be letter size (portrait or landscape), or PowerPoint slide size.
- Include a title page/slide that includes your team's school or organization, grade level, and team members names.
- Include a references page/slide for all sources, image credits, and any experts consulted.

Suggestions:

1. Document your design process by taking pictures as you go. Save sketches, drawings, and notes. These images and information will help you remember your experience and be better able to tell your story in the portfolio.
2. Include plenty of images in your portfolio, so you can both "show" and "tell" the judges about what you created. Images may include photographs from group work sessions, nature explorations, testing a prototype, and/or meeting with stakeholders or experts. They can also include drawings and diagrams that show your thinking and design process. Be sure to caption your images to explain what they are.
3. Include an abstract, or summary of the design at the beginning of the portfolio to set the stage for what you will present in the following pages.
4. Include a reflection on your team's design experience. What did you most enjoy? What was the most difficult? What are you most proud of? What surprised you? What do you want to do next?
5. Check your work against the **Project Portfolio Checklist** and **Team Self-Assessment**.



The checklist below describes the essential parts of a complete Project Portfolio.

- Our title page includes all the required information.
- We have described the design problem, including:
 - The specific problem we chose to work on and how it is related to climate change.
 - The criteria and constraints we identified for solving this problem.
- We have described the biological models we studied, including:
 - The functions we researched (e.g. “how does nature...” questions).
 - What biological models we found and how they are relevant to the problem.
 - How our biological models’ strategies work.
 - The key lessons we learned about how nature solves this problem.
- We have described how we developed our design ideas, including:
 - The initial design concepts we came up with.
 - How we evaluated and refined our initial ideas. (e.g. testing models, talking to potential users or outside experts to get feedback, etc.)
 - How we modified our design based on testing/feedback and whether it performed better.
- We have described our final design concept clearly and completely, including:
 - How it works to solve the problem initially proposed.
 - In what ways it is inspired by our biological model(s).
 - In what ways it is an innovation or improvement over the status quo.
- We have included necessary references, including:
 - Images have credits and/or captions.
 - Research references are complete.
 - Experts consulted are included.
- We have included photos, drawings, and diagrams where needed to clearly communicate about our research, design process, and solution.
- We have checked our work for mistakes and typographical errors.