



Project Planning Worksheet

This activity is not required to submit a proposal to the OurEcho Challenge, but it is a helpful guide to plan your OurEcho Challenge submission. Please upload this worksheet with your submission if you'd like to show the judges your design process.

In order to ensure that teams are meeting the basic requirements for a qualifying entry, we encourage you to use this Project Planning Worksheet alongside the [OurEcho Challenge Checklist & Winning Tips](#) and the [Scoring Rubric](#) prior to submitting your official entry. Students can also access the [OurEcho Challenge Glossary](#) if any terms are unclear.

THE TEAM

Team Name:

Lead Teacher/Mentor:

Record the names of your team members and their roles. Students can enter in teams of 1-3. All team members must be in Grades 5 - 9 (ages 10 - 15) at the time of entry.

Name	Skills/Talents/Contributions

What is the biodiversity issue that you are trying to address?

1. Describe the ecosystem that you/your team want to preserve, protect, or repair:

2. Explain an issue impacting biodiversity in the ecosystem described above:

3. How do you know that your issue is negatively affecting the ecosystem?

How did you identify the issue?

1. Did you conduct your own study of this issue? If so, what observations or impacts have you recorded? Did you collect data through observation, environmental or social surveys, or some other way?
2. Has any scientific research been published about this issue? If so, summarize the scientific results you have found.
3. List additional stakeholders including any organizations that may also be working on this issue. Stakeholders are often investors, employees, customers, suppliers, communities, governments, or trade associations. For example, in a coastal fishing community, stakeholders may include scientists, fisherpeople, government groups, and citizens.
4. Keep a record of who conducted research and of your sources of information:

Team Member:

Source:

What are the possible actions or strategies your team will take towards a solution?

Describe your proposed strategy. Use details from your research to support your solution.

Strategy 1

Strategy 2

Strategy 3

Strategy 4

How will your team develop your proposed solution? It may be helpful to follow the steps in the Engineering Design Process outlined below to answer the following questions.



Engineering Design Process

The engineering design process is a series of steps that engineers use to find a solution to a problem. These steps include: defining the problem, brainstorming solutions, designing and building a prototype of the solution, testing the solution, and improving it.

1. Describe the constraints that you will use to develop your strategy into a solution.
2. Describe any previous action around your solution or pilot-testing that you or somebody else has already conducted.
3. Which of your possible strategies on page 4 will be most effective?
4. Why do you think this strategy will provide a good solution to the biodiversity issue you described on page 2?

Moving from Strategies to Solutions

How will your team measure success?

Short Term (What will change in 6 weeks)

Medium Term (What will change in 6 months)

Long Term (What will change 1 year and beyond)