

Headwaters Science Institute: Shane McConkey Eco Challenge Brainstorm

Group: _____

Date: _____

Brainstorm: What are some environmental issues facing our school or community?

Write down as many issues as you can. Similar or overlapping issues are fine. Everyone must participate.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

Reread your issues and star three issues you are most excited about, and star three issues you can most readily take action on. You can star the same issue twice.

List your starred questions here starting with those that have two stars.

From your starred list, ask 15 questions about any of those issues.

Rules for Asking Questions

1. Ask as many questions as you can, even ones that aren't feasible given our time constraints and materials. It can guide us to questions that will work. Make sure to record all of the questions.
2. Change all statements into questions.
3. Do not answer any questions, but do ask follow up questions or re-phrase questions to fine tune them.
4. Everyone should participate

(Adapted from the Right Question Institute: <http://rightquestion.org/>)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____

Review this list of questions and star the top two or three that you are excited about and that you can reasonably try to answer.

Write those top questions below, including the issue, and possible actions you could take to answer your question and address your issue.

Issue _____

Question: _____

List somethings you could do locally to answer your question and address your issue.

1. _____
2. _____
3. _____

Issue _____

Question: _____

List somethings you could do locally to answer your question and address your issue.

1. _____
2. _____
3. _____

Issue _____

Question: _____

List somethings you could do locally to answer your question and address your issue.

1. _____
2. _____
3. _____

As a group discuss which of these top issues make the most sense for your team to take on for the Shane McConkey Eco Challenge.

Making a plan.

Issue _____

Question: _____

What could you do locally to answer your question and address your issue?

How are you going to answer your question? Come up with a step by step plan for trying to answer the question.

Give a prediction for what you think will be the answer to your question.

What reasons do you have for making this prediction?

What local actions can you take to address your environmental issue? Be specific include the who, what, when, where, and how.

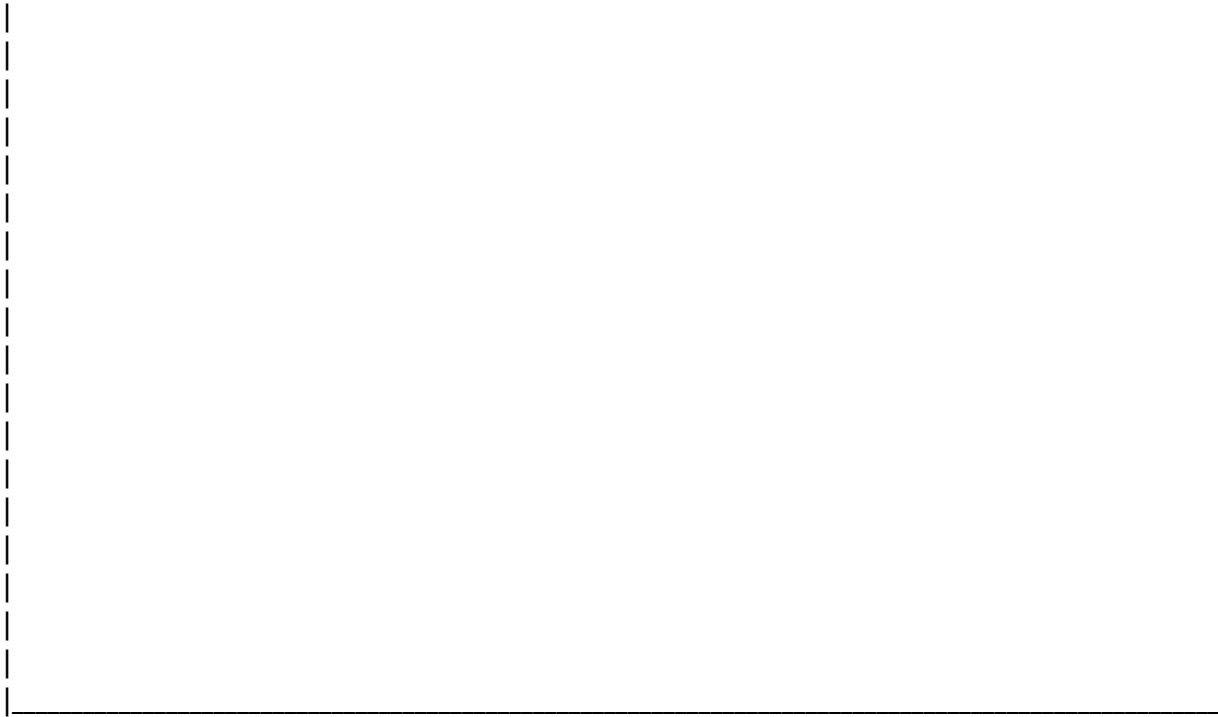
Who or what will your project impact?

How could you grow this impact?

How will you know if your actions are successful?

How will you share your project and inspire the community?

Graph what your data will look like if your prediction is true. You can use the backside of this paper to do more than one. Remember to label your axes.



Materials

What materials will we need for your project?

Data Table (What data will you collect to test your question? How much will you need?)