

**Environmental Stewardship Action Plan Instructor Print Out**

**Objective:** To apply the knowledge gained from the STEAMS Environmental Stewardship Project-Based Lesson Plan to create actionable plans for environmental stewardship initiatives in students' local communities.

**Key Components**

<p><b>Step 1. Choose a Local Environmental Issue</b></p>	<p>Details:</p> <ul style="list-style-type: none"> <li>❖ Identify an environmental issue in your local community that you (student) would like to address. This could be related to pollution, habitat destruction, conservation of natural resources, etc.</li> </ul>
<p><b>Step 2. Research and Analysis</b></p>	<p>Details:</p> <ul style="list-style-type: none"> <li>❖ Conduct research to understand the scope and impact of the chosen environmental issue.</li> <li>❖ Use the provided resources and additional research to gather data and information about the issue.</li> </ul>
<p><b>Step 3. Brainstorm Solutions</b></p>	<p>Details:</p> <ul style="list-style-type: none"> <li>❖ Utilize the engineering design process to brainstorm potential solutions to the identified environmental issue.</li> <li>❖ Consider the resources available in your community and innovative technologies discussed in the project-based lesson plan.</li> </ul>
<p><b>Step 4. Develop an Action Plan</b></p>	<p>Details:</p> <ul style="list-style-type: none"> <li>❖ Create a detailed action plan outlining steps to address the environmental issue.</li> </ul>

**STEAMS**

	<ul style="list-style-type: none"><li>❖ Include specific tasks, timelines, required resources, and responsible individuals or groups for each step.</li></ul>
<b>Step 5. Implementation Strategy</b>	Details: <ul style="list-style-type: none"><li>❖ Determine how you will implement your action plan. Consider factors such as community involvement, resources, partnerships, etc.</li></ul>
<b>Step 6. Measurement and Evaluation</b>	Details: <ul style="list-style-type: none"><li>❖ Establish criteria to measure the effectiveness of your action plan.</li><li>❖ Identify metrics to track progress and evaluate the impact of your initiatives on the environment and community.</li></ul>
<b>Step 7. Reflection and Adaptation</b>	Details: <ul style="list-style-type: none"><li>❖ Reflect on the process of developing your action plan.</li><li>❖ Consider any challenges or obstacles you may encounter and brainstorm potential solutions.</li><li>❖ Determine how you can adapt and refine your plan based on feedback and ongoing evaluation.</li></ul>
<b>Step 8. Presentation or Group Share</b>	Details: <ul style="list-style-type: none"><li>❖ Prepare a presentation to share your action plan with your class or break into small groups to share and discuss.</li><li>❖ Use visual aids, data, and examples to effectively communicate your ideas and inspire others to take action.</li></ul>

**Assessment Criteria**

## Checklist:

- ❖ Clarity and depth of research on the chosen environmental issue.
- ❖ Creativity and feasibility of proposed solutions in the action plan.
- ❖ Thoroughness and organization of the action plan, including clear timelines and responsibilities.
- ❖ Thoughtfulness and effectiveness of the implementation strategy.
- ❖ Consideration of measurement and evaluation criteria to assess the impact of the action plan.
- ❖ Reflection on the process and willingness to adapt the plan based on feedback and evaluation.