

Rubric for Human Impact Project

Criteria	Excellent (4)	Good (3)	Fair (2)	Needs Improvement (1)
Content	In-depth analysis; covers all aspects of the problem and solutions	Covers most aspects with some analysis	Basic coverage with minimal analysis	Incomplete or inaccurate content
Creativity	Innovative and unique strategies	Some original ideas presented	Few original ideas	Lacks originality
Feasibility	Strategies are realistic and well thought out	Most strategies are practical	Some strategies are impractical	Strategies are unrealistic
Presentation	Clear, engaging, and well-organized	Clear and organized	Understandable but lacks organization	Unclear and disorganized
Understanding	Demonstrates deep understanding of concepts	Shows good understanding	Shows basic understanding	Lacks understanding

This would be a guide for a more guided project or you could just use the above rubric and let the students lead their own project.

Human Impact Project for 6th Graders in Tucson

Project Title: Tucson's Environmental Guardians

Objective:

- Students will investigate the human impact on Tucson's environment and develop actionable plans to mitigate negative effects and promote sustainability.

Duration: 4 Weeks

Week 1: Introduction and Research

Day 1: Introduction to Human Impact

1. **Discussion:**
 - What is human impact?
 - How do humans impact the environment in Tucson?
2. **Activity:**
 - Watch an introductory video about the population growth in Tucson and its impact on the environment.
 - Discuss the key points and write down initial thoughts and questions.

Materials:

- Introductory video
 - Student notebooks
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Day 2: Research Topics

1. Topics for Research:

- Water Usage and Conservation
- Air Quality
- Waste Management
- Wildlife and Habitat Preservation
- Renewable Energy

2. Activity:

- Students will be divided into groups, each selecting a research topic.
- Each group will brainstorm and list what they know and what they want to learn about their topic.

Materials:

- Chart paper and markers
 - Student notebooks
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Day 3: Research and Data Collection

1. Activity:

- Groups will research their topic using provided resources (books, articles, videos, internet).
- Collect data, images, and examples of local issues related to their topic.

Materials:

- Computers/tablets for research
 - Research resources
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Week 2: Analyzing Data and Developing Solutions

Day 1: Analyzing Data

1. Activity:

- Groups will analyze the collected data to understand the extent of the problem.
- Create charts, graphs, or infographics to visually represent the data.

Materials:

- Graphing tools (software or paper)
 - Student notebooks
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Day 2: Developing Solutions

1. Activity:

- Groups brainstorm and develop possible solutions to mitigate the negative human impact on their chosen topic.
- Solutions should be realistic, feasible, and sustainable.

Materials:

- Chart paper and markers
 - Student notebooks
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Day 3: Planning Action

1. Activity:

- Groups will create an action plan detailing how their solutions can be implemented in the community.
- Plans should include steps, required resources, and potential challenges.

Materials:

- Action plan templates
 - Student notebooks
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Week 3: Project Creation and Presentation Preparation

Day 1: Creating the Project

1. Activity:

- Groups will begin creating their project. Options include posters, digital presentations, models, or brochures.
- Incorporate data, visuals, and action plans into the project.

Materials:

- Poster boards, art supplies, or computers for digital presentations
 - Collected research materials
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Day 2: Refining the Project

1. Activity:

- Continue working on the project, focusing on clarity and visual appeal.
- Peer review within groups to refine and improve the project.

Materials:

- Project materials
 - Peer review checklists
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Day 3: Presentation Preparation

1. Activity:

- Groups practice presenting their projects.
- Provide constructive feedback to each other.

Materials:

- Presentation notes
 - Student notebooks
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Week 4: Presentation and Reflection

Day 1: Presentations

1. Activity:

- Each group presents their project to the class.
- Presentations should be clear, engaging, and informative.

Materials:

- Completed projects
 - Presentation rubric
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Day 2: Reflection and Discussion

1. Activity:

- Reflect on the project by writing in journals.
- Discuss what was learned, what challenges were faced, and what could be improved.

2. Questions:

- What impact did this project have on your understanding of human impact on the environment?

- How can you apply what you learned to your daily life?

Materials:

- Student journals
- Reflection questions