

I. Title Page

BRINGING ENVIRONMENTAL AWARENESS TO OUR COMMUNITY AND PEERS THROUGH OUR WEBSITE BY PROVIDING THEM WITH INFORMATION ABOUT THE USE OF RECYCLING AND THE BENEFITS OF USING NON-TOXIC ITEMS.

NEWBERRY MIDDLE SCHOOL

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MENTORS:

Ms. Mays-Fowler	Newberry Middle School
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II. Introduction to the Challenge

Our STEM challenge is to bring environmental awareness to our peers by informing them how to make non-toxic house hold cleaners; the benefits of using non-toxic items; the importance of recycling; how and what to recycle.

The classmates of Newberry Middle School will be affected by our challenge in hopes that they would be inspired to help our environment and then share information with other citizens of our community and beyond (like a rumor or an infectious cough).

We know that we need to Reduce, Reuse, and Recycle because the Earth is being polluted by new technologies as well as normal daily living in our everyday lives. We also know that a lot of people do not know how or what to recycle. They don't know where to take their recycled goods and they don't know that they can use daily things to make new and improved everyday items.

The challenge will change through the project by the way we present or bring awareness to our peers.

III. Team Organizational Structure

TEAM SMARTIES

Shakeiva Boyd	Lead Editor
Candace Coleman	Research Coordinator
Devin Coleman	Support Department
Bryon Davis	Professional Partnerships Department
David Davis	Support Department
Shakira Dewalt	Support Department
Tyrone Etheredge	Publication Department
Jose Hernandez	Technology Coordinator
Brian Hyler	Support Department
Amari Jabulani	Team Leader
Kiara Johnson	Lead Writer
Ashli Jones	Professional Partnerships Liaison
Destiny Lloyd	Publication Department
Tyrondra Martin	Support Department
Lisa Morraz	Design & Engineering Manager
Cheyenne Neal	Design & Engineering Department
Sentrell Quattlebaum	Support Department
Dewayne Rogers	Support Department
Darrell Taylor	Design & Engineering Department
Courtney West	Design & Engineering Department
Patrick Wright	Support Department

IV. Overview of Proposed Project

The basic purpose of our project is to encourage and bring awareness to our peers in order for them to reduce, reuse, and recycle; to encourage them to come together and take care of their community by not polluting the air with toxic chemicals and to show them other uses such as non-toxic products, recycled products and environmentally friendly products.

GOALS & OBJECTIVES: to encourage peers to recycle and use non-toxic items daily. Our peers will benefit (ages 11-15); teachers; and hopefully it will spread within the community.

DELIVERABLES OF OUR PROJECT:

- 1) Pre and Post survey
- 2) Recyclable daily items (bags, soda tabs)
- 3) Non-toxic household cleaning items

This project is unique because we took it a step further by giving examples of recyclable products; we will be making non-toxic household cleaners/items and we plan to make a BIG difference not only in our school but in our community. It is similar to other projects because other projects recycle already but we are employing a new approach by targeting a different and younger age group and we are giving them examples to spread their knowledge into the future. Since they are starting at such a young age they have the ability to create LONG LIFE HABITS.

V. Project Activities and Timeline

In order to achieve the desired outcomes we must first do our own research and become more knowledgeable about the topic. We will take an active step to recycle, reduce, and reuse. We will also need to know how to make the non-toxic household cleaning products as well as why it is important for us to use environmentally friendly items.

The project took about a few months over time to come up with, design, and organize. It should take about 2 months in order to achieve the desired outcomes. As 7th graders we will present our project to other 6th, 7th and 8th graders.

VI. Outcomes

The immediate results is to first learn about saving the environment ourselves, the next goal is to help our peers become more knowledgeable by informing them of the negative results of using toxic items and not recycling.

The long range results that we are expecting are:

- A growth in the population of our peers recycling
- A growth in our peers using non-toxic items
- A growth in our peers using eco-friendly items

The results will impact those affected by this challenge in a positive way for our environment by giving us and our peers the urge to be "*friendlier*" to the earth.

VII. Evaluation

We will measure the success or failure of this project by creating a pre-survey to see what our peers knew before followed by a post survey to see what they learned after presenting to them.

Knowing whether we have been successful or not is very important. We will check the survey's to see how much more knowledgeable our peers become after making them aware of recycling and non-toxic items.

VIII. Appendix

Action in the Classroom- An introduction to Recycling for SC Version 07.1

Action in the Classroom- An introduction to Recycling for the 2010-2011

STEM Innovation Challenges: Student Template