

Team Name & School: Let it ROT LEGENDS! Drew Charter School. Names: Samuel Crownhart,

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Teacher Name: Mr. Crockett

Green Heart Action Plan

Problem Definition/ Problem Statement

HUGE amounts of waste are generated from food in school cafeterias being thrown away and wasted every year. But we can change that by spreading awareness about recycling, compost and climate change.

Root Cause of the Problem

People ignore the environment; they don't recycle or compost. This causes huge amounts of waste to be generated from food in school cafeterias, which is thrown away and wasted every year. One of the effects is that Methane(ch₄) is being released from landfills, helping global warming. By spreading awareness about food waste, we can help change this.

List at Least Three Credible Resources that Support Your Problem Statement

Three sources we used were the Green Heart STEM challenge website, the Captain Planet Foundation website, and Google overview when we needed certain information.

Proposed Solution

The solution we, as a group, have come up with is an arcade-style game in which you sort your trash into one of three categories: Organic Waste (food waste, yard trimmings, and compostable items), Recyclable Waste (paper, cardboard, glass, and plastic), and Electronic Waste/E-Waste (old electronic appliances). As the game goes on, tips will pop up, telling you how you can help in real life. By the time you beat it, you should be an expert on compost, recycling, and landfills!

How We Will Measure Our Success

We will measure our success by seeing students' abilities to put trash/recycling/compost in the correct bins.



Who are Decision Makers We Need to Reach

Programmers, engineers, and school administrators.

Our 3-5 Step Plan for Change

1. Win and get the grant.
2. Get the machines.
3. Put arcade machine sort of thing in school cafeteria
4. Teach kids about what items to put in recycle/trash/compost bins,

Impact & Equity

Landfills could get smaller because of this invention.

What Help We Need to Be Successful

We need the money to hire workers, and attention to make people aware of this. If we win, we might make a fundraiser to build more arcade type machines.

