

**Welcome and
Thank You for
coming to our
presentation!**



We Are The STEMTISTS

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*'Stemtists GO Green' an Eco-School
Food Waste Reduction and Recycling Program*

Who We Are...

STEMTISTS
g♻️green

reduce 🍏 reuse 🍏 recycle



- ▶ First Lego League (FLL) Robotics team
- ▶ Advanced 8th grade students at Suncrest Middle School
- ▶ With a research solution to improve Suncrest's recycling program!
- ▶ Want to spread our solution to others
- ▶ Hope to get the help from other organizations



How We Got Together

- ▶ Got together through First Lego League (FLL) Robotics
 - ▶ FLL is a worldwide organization that teams of kids compete in!
 - ▶ In FLL, there are three things you have to accomplish and take with you to show off to judges to win competitions:
 1. A robot that completes missions on a board
 2. Our research solution (Reduce Trash Waste)
 3. Team Building Session
- *Our qualifying tournament is Nov. 21 and states (if we make it) is in December

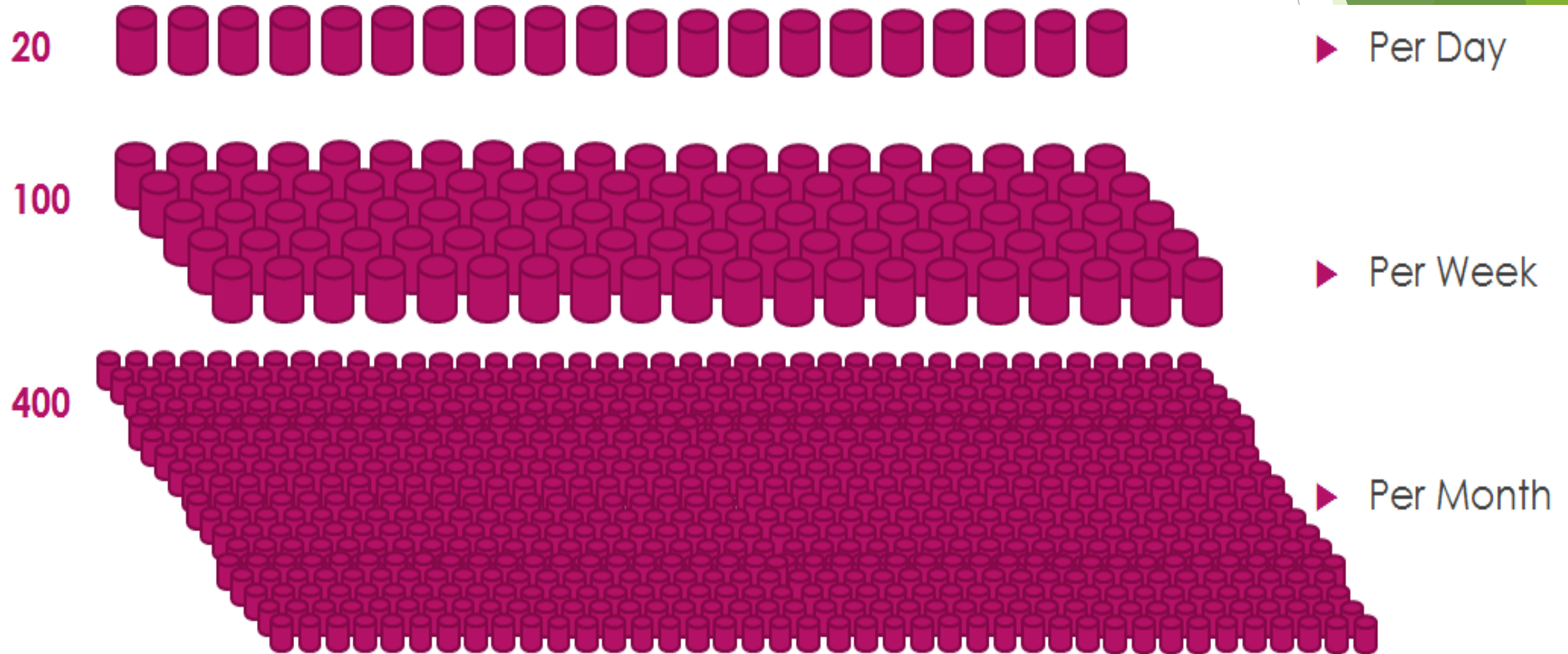


Why We Are Here

- ▶ We noticed that at our school (Suncrest Middle), so much food is being wasted every day
- ▶ Many other schools waste loads of food as well
- ▶ There is food that's still edible and sanitary!
- ▶ Wanted to make a bigger difference in our world
- ▶ Wanted to inform you our big idea to solve this huge problem

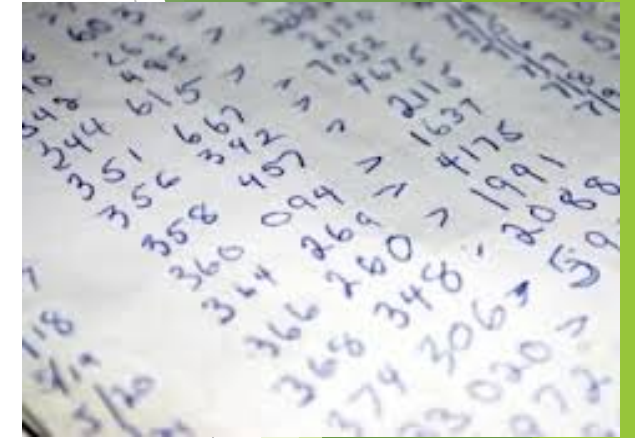


Middle School Trash Waste (SMS)



Research Proves Something Needs to Be Done

- ▶ From research we know that 133 billion pounds of food waste were discarded last year. - USDA 2015 Green.gov Conference on Sustainability
- ▶ About one third of the food supplied in the world!
- ▶ Schools are a big reason for that
- ▶ At school, 15-20 bins of trash (75 lbs.) are thrown away each day! This isn't even including the leftovers
- ▶ But... our solution can decrease these numbers and improve many schools recycling program



Our Solution

- ▶ Our solution is called the 'Stemtists GO Green' an *Eco-School Food Recycling Plan*.
- ▶ It's a contest for each grade to compete in to encourage food reduce, reuse, recycle, and composting.
- ▶ We also came up with this solution because it's a fun and enjoyable way for students to get involved in our world.



Contest

- ▶ Students from each grade will compete to have the most "food waste recycling" bins filled and least amount of regular garbage waste.
- ▶ Our point system will go as followed: 5 points per recycling bin filled, -1 for regular garbage bin filled.
- ▶ The grade that has the **most points** at the end of each month will get a **reward** such as a rec day, dance, electronic day, etc.

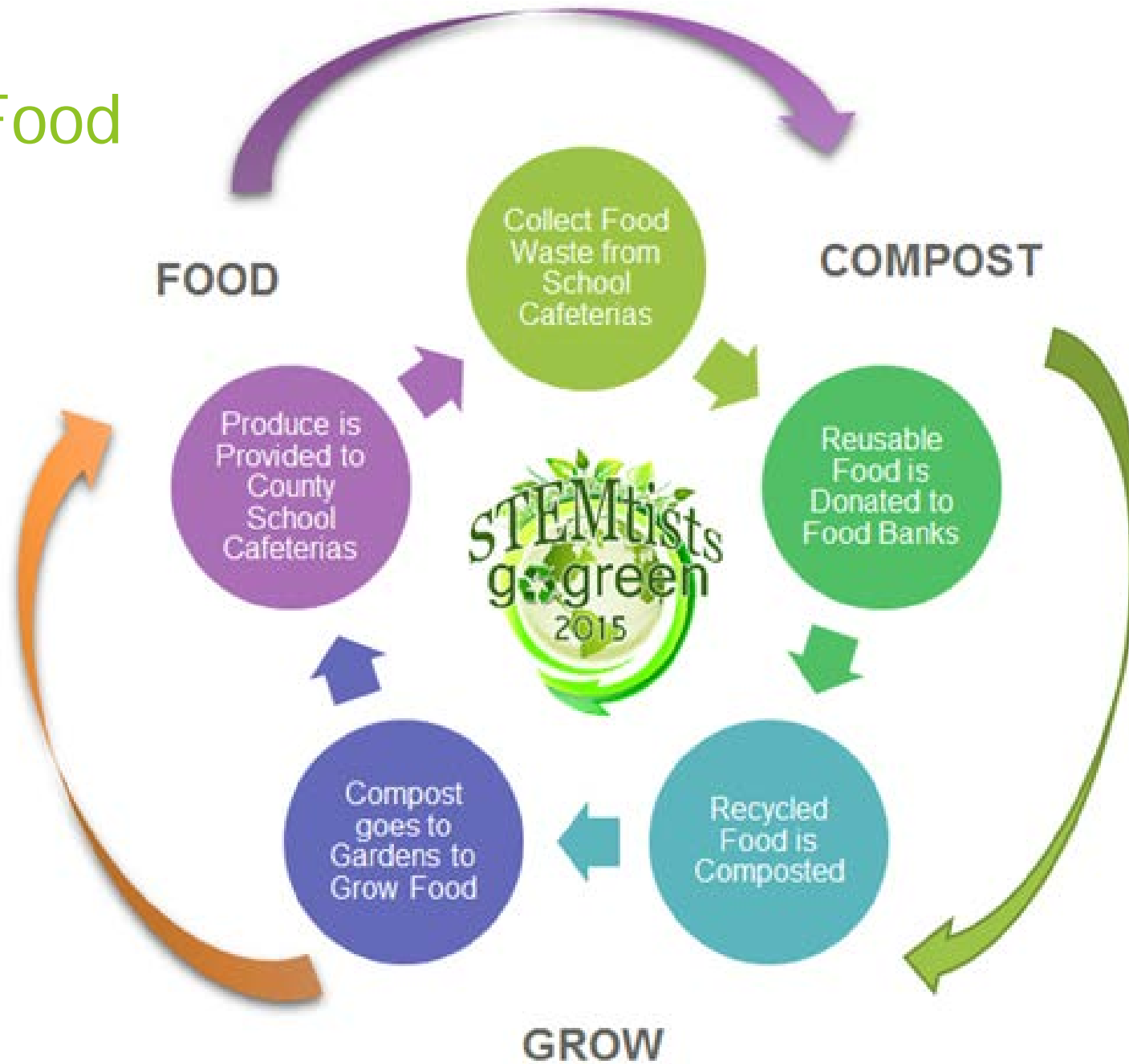


Contest

- ▶ We will have volunteer monitors (students) to:
 1. make sure kids are correctly recycling
 2. count up points for each grade
- ▶ **The grade with most points will earn a reward** such as a rec day, dance, electronic day, etc.
- ▶ It's a **fun and enjoyable way for students** to understand and enjoy the importance of not wasting food



Circle of Food (COF)



Small Goals

- ▶ **Start** composting and giving leftover sanitary food to food banks
- ▶ **Inform** the kids at Suncrest Middle about food recycling and composting
- ▶ **Involve** the students at Suncrest to recycle, compost, and build a garden
- ▶ **Reduce** the amount of food waste at our school in half



Big Goals

- ▶ Spread our idea throughout the state
- ▶ Show students and kids the importance of recycling and composting
- ▶ Start a movement to reduce food waste



What We've Encountered So Far

- ▶ Discussed with our school principal, Mr. Napolillo and vice-principal, Mrs. Burkhart.
 - Provided considerations for our solution, including
 - ▶ a garden would require space,
 - ▶ not being able to compost foods, and
 - ▶ transportation of the food waste.
- ▶ Talked with North Elementary on how they are composting and recycling
 - ▶ their greenhouse
 - ▶ gardening
 - ▶ our solution
 - ▶ composting with them



Why is this simple idea not being done?

What We've Encountered So Far

- ▶ Spoke with WVU Farm on giving them our compost
 - ▶ specific compost animals need
 - ▶ transportation of compost
 - ▶ animals consumption of food
- ▶ Spoke with Hilary Kinney (Food Recovery Network-FRN)
 - ▶ transportation of school food
 - ▶ gardening
 - ▶ FRN
 - ▶ an agreement with them

Why is this simple idea not being done?



Why Hasn't This Idea Been Enforced

EFFORT!!!

- ▶ People just don't try or put any EFFORT into it!
- ▶ This solution definitely can be done.
- ▶ Do it in our local community (and hopefully other places as well).

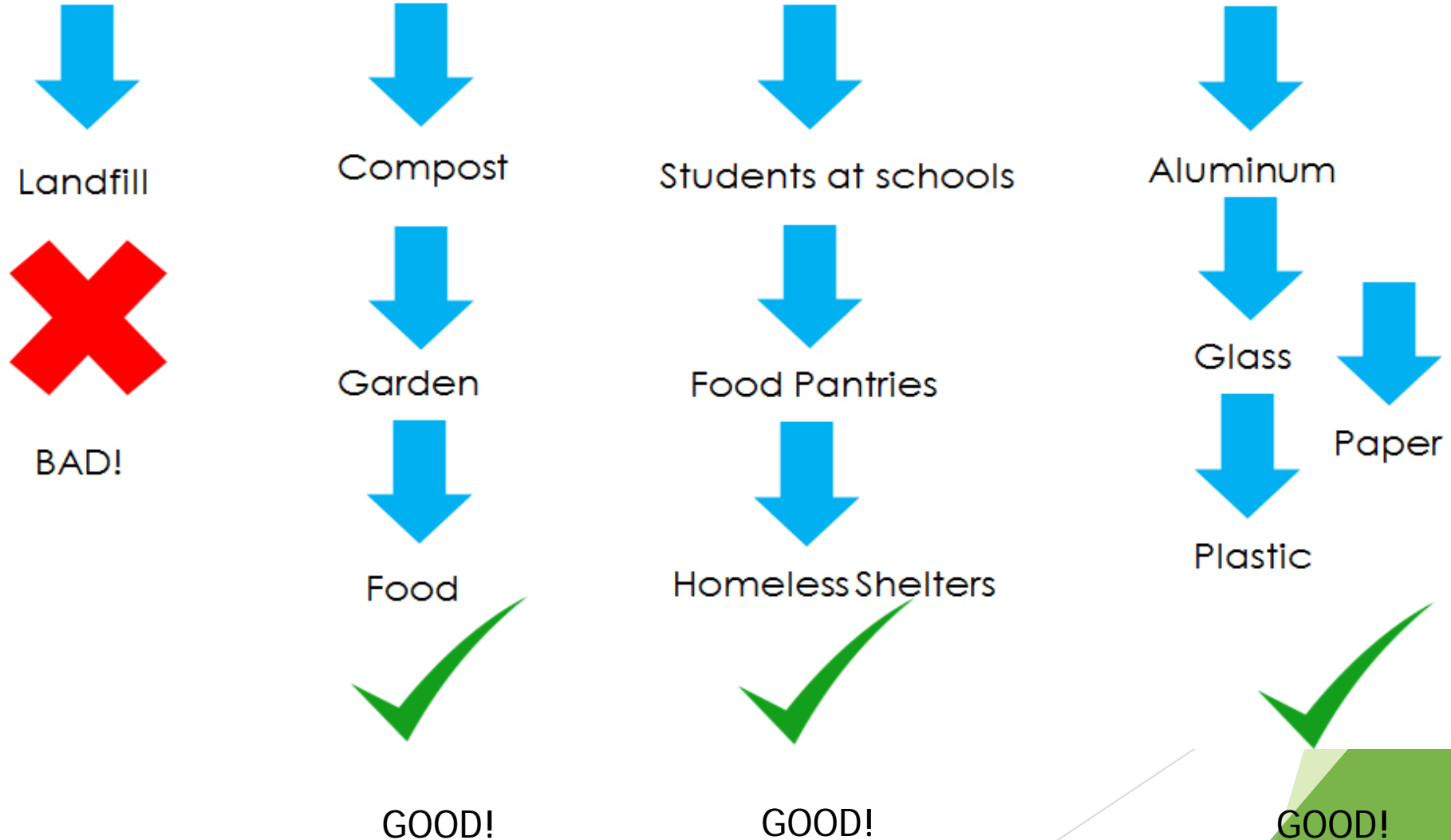


What's Different Between Our Idea and Others Already Being Done

- ▶ Other schools are already doing recycling and composting programs (North Elementary)
- ▶ Difference between our solution and others already done is our competition aspect.
- ▶ Kids get a reward for their accomplishment
- ▶ The reward gives them motivation to compost!



Diagram of our Plan



Why We Want to do This

- ▶ We see the problem in the world and want to do something about it
- ▶ Feel like we are making a difference
- ▶ People doubt that kids can do things which fueled us
- ▶ We want to see our doing in action and it helping people and the environment



kids
can
make a
difference*

What You Can Do

- ▶ Don't throw away perfectly edible food!
- ▶ Support this program and reduce, reuse, and recycle at home.
- ▶ We aim to start this program soon. Thank you for your support!



Thank you for coming this evening!



"Don't underestimate the power of your vision to
change the world"
-Leroy Hood (and the Stemtists)

Questions?

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