



WE'RE
CHANGING
THE **FACE**
OF RESPONSIBLE WASTE SERVICES

Texas Disposal Systems Green School Solutions

Jason Sanders, M.A.G.Ed.

21st Annual

US Composting Council Conference

January 29th, 2013



TEXAS DISPOSAL SYSTEMS

Presentation Outline

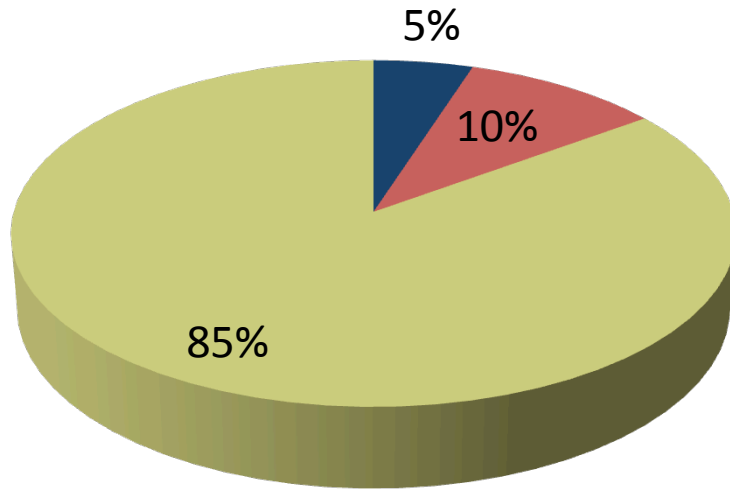
- Waste Characterization
- Pilot Program
- Implementation
- Website
- Education
- Training
- Best Practices



AISD Waste Characterization

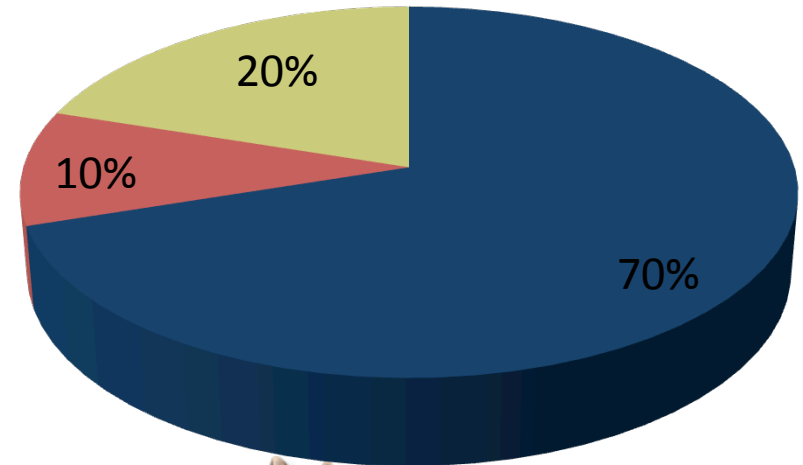
Front of House (Post-Consumer)

■ Recyclables ■ Trash ■ Compostables



Back of House (Pre-Consumer)

■ Recyclables ■ Trash ■ Compostables

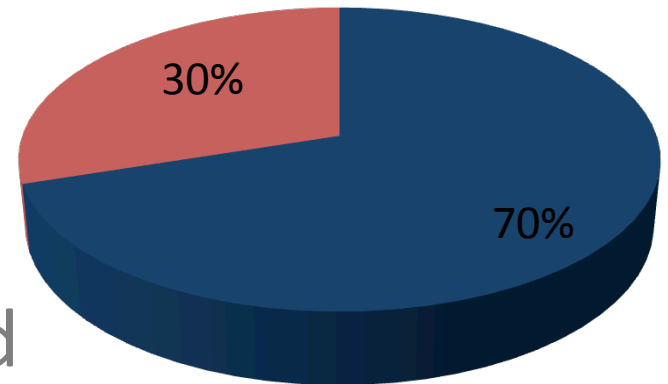


Pilot Program- AISD 2010

- 4 elementary schools
- 4 months
- Implemented Single Stream Recycle and composting
- Trained and educated students, faculty, and staff
- Diverted over 50,000 lbs of food waste

Pilot Program Diversion Rate

■ Compost/ Recycle ■ Trash

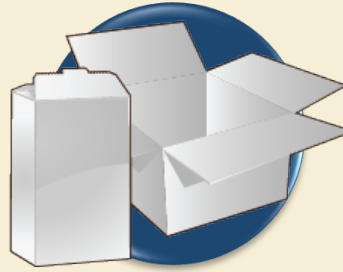


School Recycling Program



Paper Products

- Magazines
- Newspaper
- File Folders
- Office Paper



Cardboard/ Boxboard

- Food Boxes
- Shipping Boxes



Empty Containers

- Plastic #1-7
- Metal
- Aluminum
- Glass



School Composting Program



All Food

- Vegetable Scraps
- Proteins
- Dairy
- Pre and Post-consumer plate scrapings



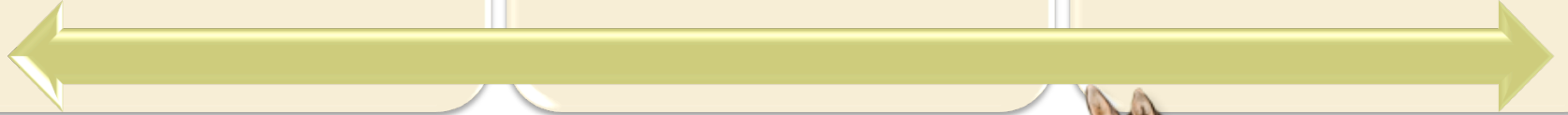
Spoiled Paper

- Food Boxes
- Milk Cartons



Green Waste

- Grass
- Leaves
- Small Branches



Implementation

- January 2011- Awarded 5 year contract with AISD for recycle, compost and trash
- 122 locations- Single Stream Recycling
- 81 locations- Composting
- Started www.greenschoolsolutions.com
- Personally visited all schools over a 22 week period to train students, faculty, and staff
- Conducted follow-up trainings to ensure success of the program





TEXAS DISPOSAL SYSTEMS



Green School Solutions

| HOME | RECYCLE | COMPOST | MY SCHOOL | **DOWNLOADS** | TDS | CONTACT |



Who would have thought? The soft drink can you're drinking from today could be made from a different one you drank from two months ago. The notebook paper you wrote on today

7 ways to become a super-recycler >>>

Composting, recycling at Sophie Towl's school in Maine >>>

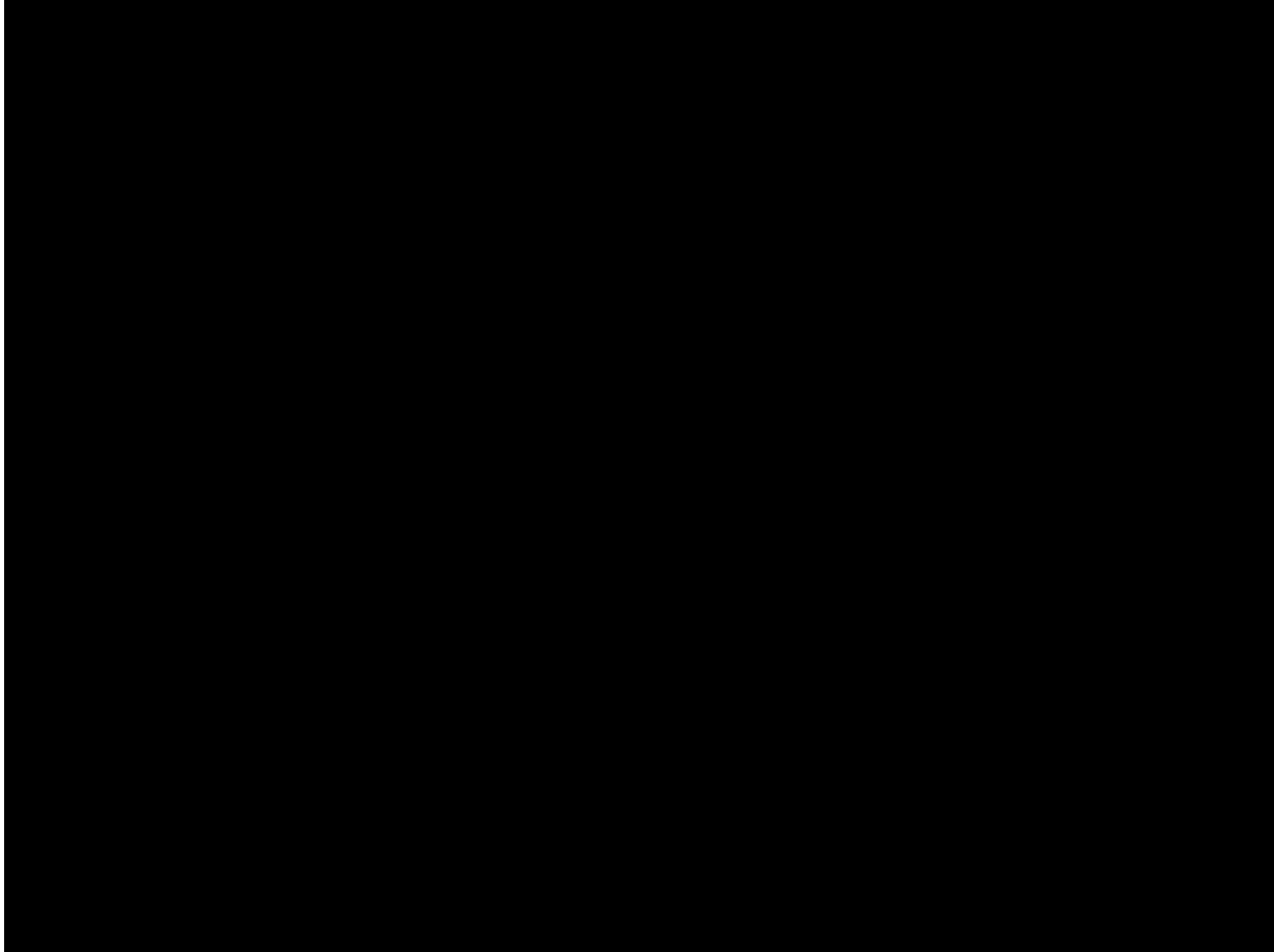
AT SCHOOL YOU CAN RECYCLE:

- magazines
- catalogues
- newspaper
- envelopes
- sticky notes
- file folders

could be made from the recycled math test your older sister aced last September. (Hmmm. Think the answers are hiding somewhere in that paper pulp?) Your new Frisbee golf disc probably was a plastic water bottle in a previous life.

All those new products - and hundreds of thousands of others - are made from old,

Online Training Videos



[Texas Disposal Systems AISD Cafeteria Composting](#)

Online Posters and Signs

COMPOST

Rowdy the Rhino knows how to turn garbage into greenery with your help

FOOD WASTE

COMPOSTING

APPLYING

NOURISHING

find out more at www.greenschoolsolutions.com

TEXAS DISPOSAL SYSTEMS Garden-Ville

WHAT CAN [and CANNOT] be placed in Compost Containers

YES, PLEASE PUT THESE IN COMPOST BINS

FOOD

- ▶ soiled Paper
- ▶ milk cartons
- ▶ paper cups
- ▶ paper food containers
- ▶ pizza boxes
- ▶ paper plates

YARD DEBRIS

- ▶ grass clippings
- ▶ leaves
- ▶ branches

NO, PLEASE PUT THESE IN THE TRASH

- ▶ plastics
- ▶ sod / dirt
- ▶ treated or painted wood
- ▶ metal
- ▶ styrofoam



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Tobias Elementary School

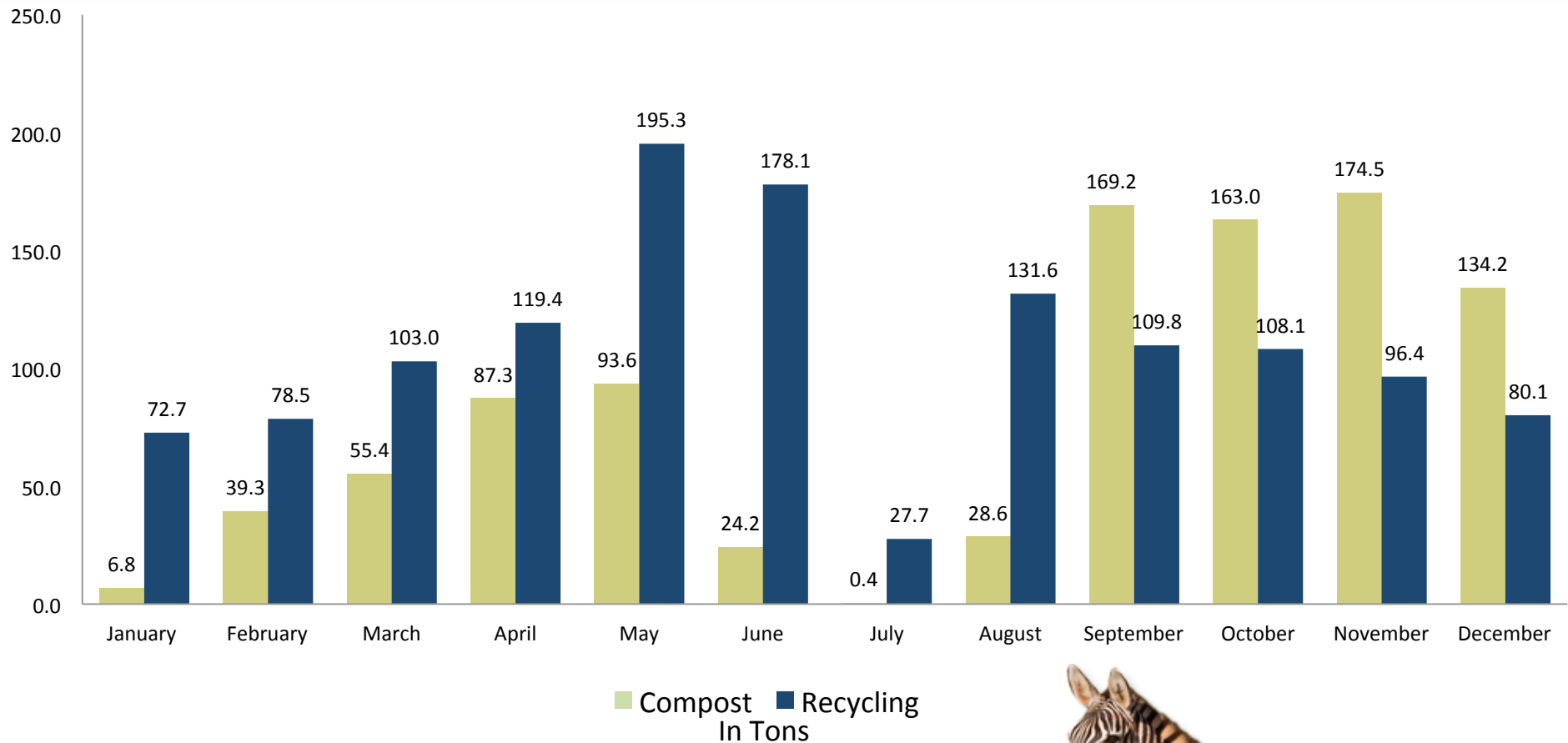
Materials collected each month this semester, listed in pounds and converted to pounds per student based on first month enrollment.

* indicates total pounds per student so far this semester.

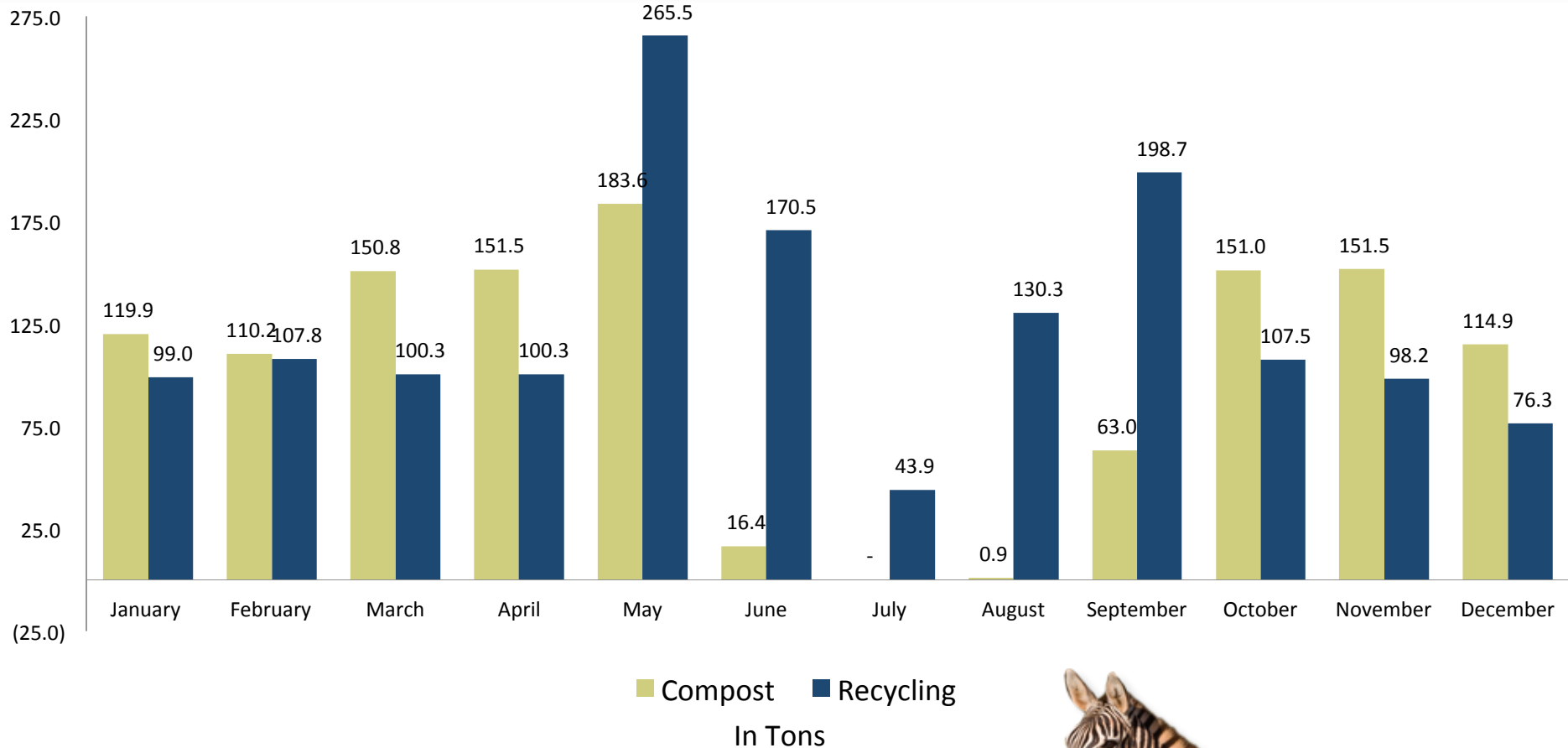
For solutions to your home or business recycling needs, phone TDS at [800.375.8375](tel:800.375.8375)

| MONTH | RECYCLING (in lbs) | COMPOST (in lbs) | COMBINED (in lbs) | TOTAL (lbs/student) |
|-----------|-----------------------|---------------------|----------------------|------------------------|
| August | 1,600 | 1,638 | 3,238 | 5.41 |
| September | 579 | 7,440 | 8,019 | 13.39 |
| October | 1,597 | 1,906 | 3,503 | 5.85 |
| | | | | 24.64* |

2011 Diversion Success



2012 Diversion Success



2 Year Total= 9,978,998.00 lbs.



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Program Expansion

1. Georgetown ISD- 10 schools
2. Hays CISD- Composting District Wide- 20 schools
3. Private Schools- 3 schools
4. Charter School- 1 school

69,724 students composting!
109,686 students recycling!



Best Practices

- Program success works from the top-down and bottom-up
- Kids can do this on their own!
- Reduces labor costs for schools
- 3D signs are important
- Introduce classroom education on resource management
- Expand to school events
- Program success varies by district
- Product stewardship



Best Practices

3-D Signs



Best Practices

Bathroom Collection



Best Practices

Classroom and Teacher Lounge collection



Best Practices

Green Team leaders and information billboards

THINK GREEN

RECYCLE

REUSE

REDUCE

RETHINK

HERE TODAY, GONE???

| | | | |
|----------------|---------------|------------------|----------------|
| 1 T-shirt | = 1-2 MONTHS | 1 Paper cup | = 75-450 YEARS |
| 1 Paper plate | = 2 MONTHS | 1 Glass bottle | = 80-250 YEARS |
| 1 Orange | = 6 MONTHS | 1 Paper bag | = 20-400 YEARS |
| 1 Potato | = 6 MONTHS | 1 Plastic bottle | = 500 YEARS |
| 1 Paper napkin | = 1 YEAR | 1 Metal can | = MAYBE NEVER |
| 1 Paper plate | = 20 YEARS | 1 Plastic bottle | = MAYBE NEVER |
| 1 Paper cup | = 25-50 YEARS | 1 Paper cup | = MAYBE NEVER |

I WANT YOU

TO RECYCLE!!



Best Practices

Create Incentives



Best Practices

Throw a Party!



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Best Practices

Reduce the volume in containers



Best Practices

Wash dumpsters



Questions?



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