

CITY OF TUCSON ENVIRONMENTAL SERVICES

Recycling Education Outreach Programs

Status Report for the 2013-2014 School Year



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May 2014

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I. Program Overview

During the City of Tucson's fiscal year 2013-2014, the Environmental Education Exchange once again conducted outreach education programs for City of Tucson Environmental Services. Classroom presentations continued to be offered to elementary school students and a middle school curriculum continued to be available on-line. The middle school recycling poster contest entered its second year, as well as an elementary after school program including a recycling truck. This year's annual report provides an overview of the Exchange's activity for that period with details on the audiences reached and recommendations for future program outreach.

II. Elementary Education Outreach Program – *Too Good to Throw Away!*

During 2013-2014 the Exchange provided recycling education outreach programs for the City's Environmental Services for the twelfth consecutive year.



In 2013-2014, there were 201 presentations reaching 5,104 students in 52 different schools from 4 school districts, as well as 8 charter schools and 5 private schools. In addition to 3rd-5th grade presentations, 1st-2nd grade programs were re-introduced in 2013-2014. Only 200 presentations were budgeted.

Approximately 16% of the presentations were given to 1st grade classes, 24% to 2nd grade classes, 29% of the presentations were given to 3rd grade classes, 14% to 4th grade, 8.5% to 5th grade, and 8.5% to other (multiage). It is difficult to compare the percentages from last year to this year because 1st and 2nd grade were re-introduced this year, and the total number of presentations allotted did not increase. Third grade presentations continue to be most common, but this probably reflects the fact that 3rd grade (especially in TUSD, because of their curriculum) is the most common grade level for the *Da Drops* program (managed by EEEExchange for Tucson Water). Refer to [Appendices A-D](#) for full details on school districts, schools, and total numbers of students participating in the program.

Presenters attended one special event in 2013-2014 with the *Too Good to Throw Away!* kit. At the Math, Science and Technology Funfest at the TCC on November 7 and 8, 2013, presenters interacted with interested attendees, kit materials were displayed, and ruler/clips made from recycled money were given away. Close to 6,000 4th-8th grade students, teachers and parents attended this event. Refer to [Appendix F](#) for details.

Curriculum activities for *Too Good to Throw Away!* continue to be downloaded from the website, even during the summer when no programs occur. The complete set of revised activities for grades 1-2 were downloaded 239 times and for grades 3-5 were downloaded 242 times during the 2013-2014 school year (September 1, 2013-May 20, 2014), with individual sections downloaded between 204 and 310 times for grades 1-2 and 227 and 289 for grades 3-5. In addition, some teachers continue to download the old versions of the pre/post-visit materials for *Too Good to Throw Away!*. Although both the scheduling



website and the Environmental Services website have posted the revised files, some teachers are still downloading the older files probably found in cached older versions on-line. The complete set of older activities for grades 1-2 was downloaded 121 times and for grades 3-5 was downloaded 57 times, with individual sections downloaded between 42-160 times for grades 1-2 and 20 and 696 times for grades 3-5. Refer to [Appendix A](#) for details.

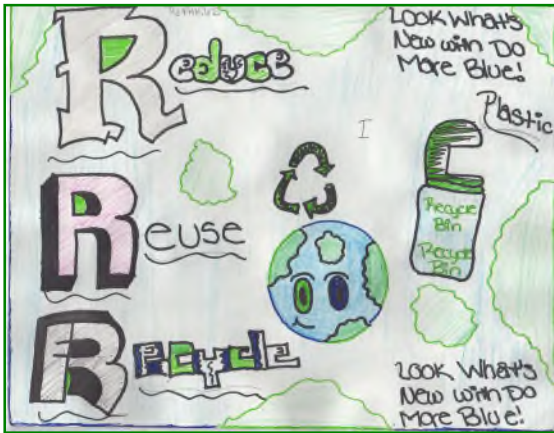
The number of downloads far exceeds the number of *Too Good to Throw Away!* presentations, suggesting that there are teachers interested in the lessons without having classroom presentations. In addition, it is likely that we are reaching teachers beyond the Tucson area via these on-line curriculum activities. Refer to [Appendix A](#) for details.

Program Highlights

- Revision of *Too Good to Throw Away!* classroom presentation and pre/post-visit activities for grades 1-2, so that programs for both 1st-2nd grades and 3rd-5th grades were available this year
- Continued streamlined approach to outreach scheduling with enhancements made to the online scheduling website
- Continued use of PDF files (located at the scheduling website) to provide materials dissemination to teachers
- Evaluations continue to be completed by teachers on-line
- Presenter training, observation and feedback
- Outreach to new schools not visited in past years
- Two *Too Good to Throw Away!* kits were in use throughout the year so that two sets of presentations can be scheduled in one day
- Students received pencils (made from recycled paper), as well *Look What's New With More Blue* magnets. Each teacher also received a reusable grocery bag made from plastic bottles, as well as a mini-blue barrel pencil holder (from ReCommunity). In addition, each teacher received a *Look What's New With Do More Blue* poster.

Overview of Program Revisions

The *Too Good to Throw Away!* program for 1st-2nd grade was revised during the summer 2013 (3rd-5th grade had been revised during the summer 2012). Revisions to the 1st-2nd grade pre/post-visit activities and the presentation reflect changes as to what can be recycled in the City of Tucson with last year's opening of the MRF operated by ReCommunity. The



presentation for both 1st-2nd grade and 3rd-5th grade is one hour long (instead of 45-minutes) and has even more hands-on and interactive activities. In addition, the presentation better explains what natural resources are, how they are made into products, and how products are recycled. Paper, glass, metal and plastic products are represented by “characters” whose faces were designed by Advanced Graphic Design students at Cholla High School; these “characters” are now a part of both the classroom presentation and the pre/post-visit activities. In addition, the activities were revised to

be more user-friendly, the ADE academic standards were updated, and a vocabulary section was added. The on-line evaluation was also revised to reflect the program changes.

Look What's New With Do More Blue magnets were included with the student give-aways this year, instead of flyers that were given away last year. Students continued to receive pencils made from recycled paper this year. Each teacher also received a *Look What's New With Do More Blue* poster. Each teacher also received a reusable shopping bag made from recycled plastic bottles, as well as a mini-blue barrel pencil holder (from ReCommunity).

Worn props were replaced as needed throughout the year.

The Scheduling Website

The scheduling website originally came on-line in mid-September 2003 and was revised in August, 2006 (www.outreach-scheduling.org). It continues to be extremely beneficial to teachers, the Outreach Education Coordinator and classroom presenters in a variety of ways:

- The scheduling website continues to allow teachers and the Outreach



Education Coordinator to easily schedule outreach presentations.

- During the 2013-2014 school year, 72% of *Too Good to Throw Away!* presentations were scheduled by teachers using the website. This not only includes when all presentations for specific dates are scheduled on-line (20%), but also includes when one teacher schedules him/herself and writes an on-line note that other teachers at his/her school should be scheduled as well (44%). These teachers scheduled at their convenience, without having to reach the Outreach Education Coordinator by phone or email. The remaining presentations were scheduled primarily by teachers contacting the Outreach Education Coordinator via email (26%) and rarely by telephone (2%). The Coordinator then enters the information onto the scheduling website. (After initial telephone conversations, schedules are finalized using email.)
- Teachers can download the complete set of curriculum activities for each program, or individual sections. It is extremely rare (no requests at all this year) that a teacher requests a copy sent by mail (thus eliminating hundreds of photocopies and mailings each year).
- The Outreach Education Coordinator can easily schedule presentations using the website, and keep track of all presentations for the entire school year. The website continues to offer easy access while out of the office. The database of classroom teachers in the Tucson area can be used to contact teachers for presentation reminders, program and workshop announcements, and updated activities.
- The pdf download counter continues to provide information about the number of downloads for the various curricula available on-line. Refer to [Appendix A](#) for details.
- Presenters continue to obtain their schedules from the website, thus eliminating numerous photocopies of presentation details each month. Directions to schools and roundtrip mileage are also included, as well as a direct link to Google maps.



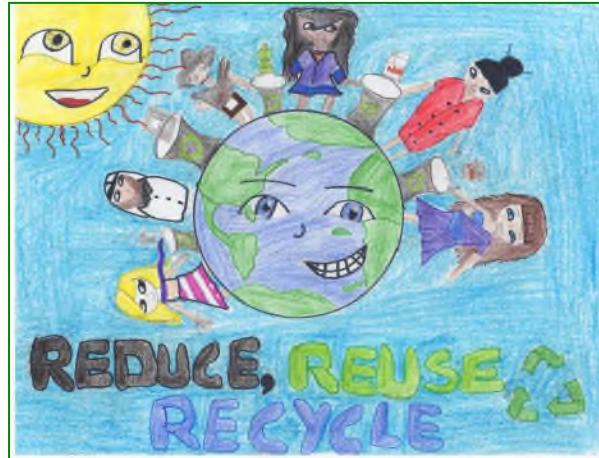
Teacher Evaluations

After a presentation is completed, a teacher receives a thank you note via email that contains a link to an on-line evaluation form. The site indicates when that form has been completed, so that the Outreach Education Coordinator can review it. Lots of paper and postage is saved using the on-line method. The on-line site not only stores all of the valuable data, but it also does statistical analysis of the information. If a teacher does not have an email address, he/she can still receive a paper evaluation form. In this extremely rare case, the Coordinator can enter the data herself.

The evaluation form was slightly modified this year to account for the re-introduction of the 1st-2nd grade *Too Good to Throw Away!* program and related revisions.

Evaluations were returned by 30 (15%) participating teachers (compared to 39% last year). Data were collected from September 1, 2013 through May 19, 2014.

Completed teacher evaluations showed a continued strong satisfaction with the *Too Good to Throw Away!* program. The average ratings based on 15 areas questioned about the on-site programs were 79% excellent, 18% good, .8% fair, .2% poor and 2% not answered. The following on-site areas received at least 80% excellent ratings: blue barrel, earth ball, recyclable/recycled products and other props; effectiveness of presenter in conveying information; fitting into available classroom time; raising the interest and motivation of your students; being appropriate for your grade level students; being easy to schedule; and addressing ADE academic standards. All other areas of the on-site program received 73-77% excellent ratings. All areas of the on-site program received 90-100% excellent and good ratings combined.



Of the teachers who completed the evaluation, 13% teach 1st grade, 20% 2nd grade, 43% teach 3rd grade, 13% 4th grade, 7% 5th grade, and 3% other (multiage). When asked if their students' understanding of recycling improved by participating in the *Too Good to Throw Away!* program, 93% of the teachers responded yes and 0% responded no. Teachers overwhelmingly responded yes (90%) when asked if they would be interested in participating in the program next year (with only one no response).



Of the teachers who used the pre/post-visit activities, the majority rated the materials as excellent or good. However, not all of the teachers completing the evaluation used the materials, thus causing the level of satisfaction on the evaluation form to appear lower than it actually is. Some of these teachers selected NA when completing the evaluation form, but others just left those questions blank.

Of the 1st-2nd grade teachers who completed the evaluation, approximately 33% used Activity #1 (*Know Your 3Rs Vocabulary Lesson and Secret Code*), 33% used Activity #2

(*Recycle Today! Mini-Poster Activity*), and 42% used Activity #3 (*Race to the Moon with a Recycool Rocket*). Seventy-five percent of 1st-2nd grade teachers indicated they would complete additional lessons at a later date. The predominant reason for not completing pre/post-visit lessons is usually related to time constraints, although no comments were included this year.

Of the 3rd-5th grade teachers who completed the evaluation, approximately 72% used Activity #1 (*Carlo's Day at the Landfill*), 56% used Activity #2 (*Recycling Scavenger Hunt*), and 44% used Activity #3 (*What a Load of Garbage!*). Sixty-one percent of teachers indicated they would complete additional lessons at a later date. The predominant reason for not completing pre/post-visit lessons is usually related to time constraints, although no comments were included this year.

This year, no teachers indicated that they were not aware of pre/post-visit materials. Although all teachers receive the link to download the materials in both confirmation and reminder emails, unfortunately some teachers do not read their email messages carefully. When this happens, these teachers are re-sent the link as well as an attachment of the complete set of activities, but fortunately this was not necessary this year.

Teacher access to the Internet is high: 90% of teachers indicated they have Internet access to use the scheduling website and to download materials (with 3% responding negatively and 7% not answering). Every teacher who scheduled this year provided an email address.

The table below lists the questions asked in the evaluations and percentages of response for each category. Note that each category may not add up to 100% because some teachers did not answer some questions. (This especially affects the results for questions related to the pre-visit activities, because some teachers did not complete the activities, and thus did not answer those questions.)

	Excellent	Good	Fair	Poor	Not Applicable
Please give an overall rating for the following components of the ON-SITE program:					
Blue Barrel, earth ball, recyclable/recycled products and other props	83% (E)			17% (G)	0% (F) 0% (P) 0% (NA)
Posters and laminated cards	73% (E)			23% (G)	0% (F) 0% (P) 3% (NA)
RecyCOOL game	77% (E)			17% (G)	3% (F) 0% (P) 3% (NA)

Effectiveness of presenter in conveying information	83% (E)	13% (G)	3% (F)	3% (P)	77% (NA)
Presenter's ability to relate well with students	77% (E)	13% (G)	3% (F)	3% (P)	7% (NA)
Please rate the value of the ON-SITE program activities in:					
conveying that all things are made from natural resources.	77% (E)	20% (G)	3% (F)	3% (P)	3% (NA)
conveying the difference between renewable and non-renewable.	73% (E)	23% (G)	3% (F)	3% (P)	3% (NA)
teaching about reducing/reusing/recycling/rethinking.	77% (E)	20% (G)	3% (F)	3% (P)	3% (NA)
conveying the magnitude of our waste problem in the City of Tucson.	73% (E)	20% (G)	3% (F)	3% (P)	3% (NA)
teaching which items can be recycled in the City of Tucson.	77% (E)	23% (G)	3% (F)	3% (P)	3% (NA)
fitting into available classroom time.	87% (E)	13% (G)	3% (F)	3% (P)	3% (NA)
raising the interest and motivation of your students.	80% (E)	20% (G)	3% (F)	3% (P)	3% (NA)
being appropriate for your grade level students.	80% (E)	20% (G)	3% (F)	3% (P)	3% (NA)
being easy to schedule.	80% (E)	17% (G)	3% (F)	3% (P)	3% (NA)
addressing ADE academic standards.	83% (E)	17% (G)	3% (F)	3% (P)	3% (NA)
Please give an overall rating for the PRE- & POST-VISIT activities:					
Activity #1: Know Your 3Rs! Vocabulary Lesson and Secret Code	20% (E)	10% (G)	3% (F)	3% (P)	73% (NA)
Activity #2: Recycle Today! Mini-Poster Activity	20% (E)	7% (G)	3% (F)	3% (P)	73% (NA)
Activity #3: Race to the Moon with a Recycool Rocket	20% (E)	7% (G)	3% (F)	3% (P)	73% (NA)

Teacher Background Information	27% (E) 7% (G) % (F) % (P) 67% (NA)
Too Good to Throw Away! Vocabulary	27% (E) 7% (G) % (F) % (P) 67% (NA)
Activity #1: Carlo's Day at the Landfill	40% (E) 7% (G) % (F) % (P) 53% (NA)
Activity #2: Recycling Scavenger Hunt	40% (E) 3% (G) % (F) % (P) 57% (NA)
Activity #3: What a Load of Garbage!	27% (E) 3% (G) % (F) % (P) 70% (NA)
Teacher Background Information	43% (E) 3% (G) 3% (F) % (P) 50% (NA)
Too Good to Throw Away! Vocabulary	40% (E) 3% (G) 3% (F) % (P) 53% (NA)
Please rate the value of the PRE- & POST-VISIT activities in...	
introducing recycling vocabulary.	60% (E) 17% (G) 3% (F) % (P) 20% (NA)
defining what can be recycled in the City of Tucson.	60% (E) 17% (G) % (F) % (P) 23% (NA)
introducing reduce/reuse/recycle/compost.	60% (E) 20% (G) % (F) % (P) 20% (NA)
integrating into your classroom's curriculum.	57% (E) 23% (G) 3% (F) % (P) 17% (NA)
fitting into available classroom time.	63% (E) 17% (G) 3% (F) % (P) 17% (NA)
raising the interest and motivation of your students.	57% (E) 20% (G) 3% (F) % (P) 20% (NA)
being appropriate for your grade level students.	63% (E) 20% (G) % (F) % (P) 17% (NA)
addressing ADE academic standards.	53% (E) 20% (G) 3% (F) % (P) 23% (NA)

Suggestions for the Future

- Revise ADE academic standards for grades 3-5 once the new Next Generation Science Standards are adopted by the AZ Department of Education (the NGSS were released in April 2013).
- Continue to develop connections with additional schools not previously involved in the program.
- Encourage more teachers to do the pre- and post-visit activities. Be more specific in email messages and phone conversations about the activities and how to download them. Emphasize that the activities have been updated to reflect the new ADE academic standards.
- Replace worn props in kit.
- Continue to analyze the data from the PDF download counter.
- Encourage teachers to participate in Recycle-Bowl (<http://recycle-bowl.org>) and possibly other community events.

III. Do More Blue, Meet the Truck Crew

A presentation for afterschool KIDCO programs, *Do More Blue, Meet the Truck Crew*, was developed for Environmental Services during the summer and early fall 2012. KIDCO coordinator Mele Ferreira helped schedule the sites and related activities; each KIDCO site did recycling activities on the Monday and Tuesday before their presentations on Wednesday. In addition, he created a rotation with related activities for students to do on presentation days.



Each *Do More Blue, Meet the Truck Crew* presentation is 30 minutes long – 15 minutes of hands-on activities indoors, followed by 15 minutes outside learning about the truck. In order to fit in all of the presentations in an afternoon and minimize the amount of time the truck is needed (there could be up to 5 presentations), two presenters are needed per site visit, so that as soon as one presenter takes a group outside to the truck, the other presenter can start the next presentation indoors. The two-presenter team is also important, because during the first presentation, one presenter can begin the presentation while the other presenter can be outside to be sure that the truck arrives and parks in the right location. Torran Anderson was the primary presenter, along Cassie Mason or Claudia Diaz-Combs, with Debbie Gevirtzman filling in as needed.

In total, 12 sites KIDCO were visited. In summary, there were 42 presentations and 561 students reached. Refer to [Appendix E](#) for details.

IV. Classroom Presenters

Teacher evaluations indicated high satisfaction with classroom presenters. When asked about the effectiveness of the presenter in conveying information, 96% of teachers overwhelmingly gave a rating of excellent and good. When asked about the presenter's ability to relate well with students, 90% of the teachers gave a rating of excellent and good.



A two-hour training to review revisions to scripts and kit materials for *Too Good to Throw Away!* was held on August 26, 2013. Presenters observed two presentations of each program before doing programs on their own.

Presenters attended a two-hour training on August 28, 2013 to learn about the logistics of being a presenter, including discussions on the contents of the training notebook, pay and time sheets, transportation, kit storage and supplies, and the scheduling website, and classroom management. Presenters were asked to review the background materials and scripts included in their notebooks before attending the trainings on specific programs.

This year's presenters include:

Torran Anderson earned his B.A. in Liberal Studies from Northern Arizona University and his M.A. in Teacher Education from Goddard College. He has been in the field of education for over 20 years and worked with the Environmental Education Exchange as a presenter, as a program coordinator, and on presentation revisions. He writes leveled readers for Learning A-Z and created the environmental story app *Earth Day Carol*.



Claudia Diaz-Combs received her BS in Environmental Sciences from the University of Arizona with a focus on geology and climate sciences as well as a minor in Spanish. She has been working for Environmental Education Exchange for one year and has plans to continue teaching youth in Tucson about the importance of earth sciences.

Cassie Mason received a B.A. in Russian Area Studies with a minor in Biology from George Mason University and a Masters Degree in Russian Linguistics at the University of

Arizona. Cassie spent a year abroad in Russia and lived in England for three years. Returning to the U.S. in 2001, she was a 4th-7th grade science teacher and curriculum director for 5 years at a private school in North Carolina. She coordinated a watershed education program for the Pacolet Area Conservancy. She continued her career as a 5th grade teacher in Portland, Oregon for three years. She helped coordinate and chaperone a mission trip to Nicaragua in 2010. This was Cassie's second year presenting with the EEExchange and she is excited to engage with students about issues of environmental impact.

Brian Stark is a distance runner and published author who received his B.S. in Communication from Hanover College, his teaching certification from Prescott College, and his M.Ed. in Administration from Northern Arizona University. Brian taught middle school language arts for seven years, was an interpreter and tour guide at Kartchner Caverns, and has been a crew leader for a local environmental outdoor youth corps. He has participated in multiple sessions with the Arizona Department of Education AIMS data review and curriculum alignment. While growing up, Brian spent 13 summers working at a rugged overnight summer camp in Indiana where he served as camp director. This was his second year presenting with the Environmental Education Exchange, but his first doing *Too Good to Throw Away!* presentations.



Julie Strom joined the EEExchange as an outreach presenter in the fall of 2013. In addition to presenting established curriculum, she helped design and implement programs presented at ReCommunity Tucson's Materials Recovery Facility and to pilot the new middle school water program. Julie earned her bachelor's degrees in Botany and Zoology from the University of Massachusetts, Amherst, and received her teaching certificate and master's in environmental education from the University of Arizona. Julie was a classroom teacher and assistant principal for over ten years before joining the education staff at the Arizona-Sonora Desert Museum where she worked for 9 years designing and implementing environmental education curriculum, running the junior docent program, teaching and mentoring graduate interns as well as caring for and training Sonoran Desert animals. In addition to her work with the EEExchange, Julie currently works as an educator in the Pima County Natural Resources, Parks and Recreation Department.

Debbie Gevirtzman has been the Outreach Education Coordinator at the Environmental Education Exchange for eleven years, in addition to being an occasional classroom presenter. Debbie also assists in the design and development of classroom presentations, educational curricula, and training workshops. She received her B.A. in geology from the University of Pennsylvania, her M.S. in geology from the University



of California at Davis, and her teaching certificate from the University of Arizona. She has taught science and math in Tucson for many years, primarily at the middle school level. Her classroom was one of the pilot classes using Tucson Water's middle school curriculum, the *Tucson Toolkit*. Debbie has also worked at the Arizona-Sonora Desert Museum as an earth sciences interpreter, and has developed and presented teacher and student workshops for the Southwest Environmental Health Sciences Center at the University of Arizona.

V. What Teachers Have To Say...

It was absolutely wonderful. The children were engaged and actively participated. We all learnt something new and I loved the visual displays. A big thumbs up to [the presenter] and the program. I acknowledge you for the service you provide.

[The presenter] was great, as always. This was a perfect presentation for my third graders! They were totally engaged throughout the whole presentation. Thank you, too, for the gifts of the pencils, bag and little recycle bin. My kids were so impressed when they sharpened the pencils because they could see the different papers that were used. Looking forward to next year.

Great presentation. Student friendly and easy to comprehend.

Very good hands on activities...

We had a great time today with your Reduce, Reuse and Recycle expert. [She] was terrific.



The students were very attentive and ready to share her all their knowledge. She was great at keeping things moving and worked well with the kids. We learned a lot!

[The presenter] was very energetic and related well to the students.

The presentation was great and the kids loved it. We all learned a lot. We hope to do this again next year.

VI. What Students Have To Say...

Thank you so much for giving us that presentation. I learned about what glass, plastic, metal, [or] paper was made from and /or how it was made. I will recycle all of the new things. I will tell my family to do that too! It was really nice of you to come! Thank you for helping our world!

Thanks you for taking your time to each us about recycling. I learned that trees make paper. We also learned that we can recycle soda cans and water bottles. I leaned too that we can reuse them again to make something....Thank you again for teaching us stuff we an Reduce, Reuse and Recycle. So we can help the world to be healthy.

I learned to keep the earth clean. I would get a recycling bin...Clean the world up – recycle. Remind others to reuse, reduce, recycle.



I learned that you should not /could not put plastic bags in the recycle bin. I will make sure to catch my parents from throwing out soda and water bottles. I will encourage people to recycle. I love Metal Mike!

I learned even more about keeping the world clean. I am going to recycle more by checking carefully before I throw stuff away. Also, I will tell people to recycle more by telling them what trash can do to the earth. It is very important!

I loved when you taught me where you get the wood to make paper. I also liked when we talked about what you could make with trash. I will pick up things and throw them away or recycle them. I will tell them don't throw that away, recycle it.

I learned a lot how recyclable things are made. I will always remember to recycle things that are not trash...You should never recycle things that can't be recycled! Recycling is very important!

I learned that you need to recycle plastic and cans. This is what I would do to recycle, I will tell my parents about t his recycling lesson. I will tell people to recycle cans and plastic!

I learned to recycle things so our plant has less landfills. I will recycle Gabby Glass, Mike Metal, Pete, and paper. I will be a role model to kindergarteners to help them recycle.

VII. Talking Trash in Tucson: A Middle School Curriculum on Recycling

During the 2003-2004 year, the Environmental Education Exchange developed four lessons about solid waste management and recycling in Tucson to provide middle school students with an understanding of how the City of Tucson manages solid waste. As the Blue Barrel program continues to grow and expand in Tucson, City of Tucson's Environmental Services is very excited to get the word out, and to help students better understand the importance and need for recycling in our community. *Talking*



Trash in Tucson was piloted by eight teachers during Spring, 2004. The teachers' comments and suggestions were integrated into the lessons during Summer, 2004 and a table of the relevant ADE academic standards was added and the curriculum was formatted to resemble the *Too Good to Throw Away!* curriculum activities. *Talking Trash in Tucson* became available online as downloadable pdfs in November, 2004. The ADE academic standards were updated Spring, 2007 and were posted on the scheduling website during the 2007-2008 school year.

During summer 2012, *Talking Trash in Tucson* was revised to modify what can be recycled in the City of Tucson with the opening of the new MRF operated by ReCommunity. In addition, a new lesson incorporating a middle school *Look What's New With Do More Blue* poster contest was added, and all lessons were edited to be more user-friendly. The poster contest can be found both within Lesson 4 of *Talking Trash in Tucson* and as a separate downloadable file.



The Outreach Education Coordinator used middle school websites to directly contact teachers and principals via email to notify them of the new curriculum. The Coordinator also contacted middle school teachers who have previously been interested in other Exchange programs/workshops.

Because *Talking Trash in Tucson* is completely available on-line, there is no way of knowing how many teachers are actually using the lessons in their classrooms. *Talking Trash in Tucson* is a part of *Energy and Environmental Science (ESS)*, a 6th grade science unit available as a kit from the TUSD Regional Science Center. Thus, all 6th grade classes in TUSD currently use *Talking Trash in Tucson*; in addition, the curriculum might be used by the following schools who are partners with the Regional Science Center: Altar Valley, Desert Valley Christian School, Family Life Academy, FWUSD, Our Mother of Sorrows Catholic School, Santa Cruz Catholic School, SS Peter and Paul Catholic School, St. Cyril Catholic School, St. Johns Catholic School, Tucson Country Day School, and Tucson Hebrew Academy.



Using the PDF download counter, we can determine how often teachers are downloading the curriculum. The complete curriculum was downloaded 1039 times during the 2013-2014 school, with individual sections downloaded between 177 and 1,654 times, so we know that many teachers are aware of these materials on-line. In addition, it is likely that we are reaching

teachers beyond the Tucson area via these on-line curriculum activities. Refer to [Appendix A](#) for details.

Suggestions for the Future

- Continue to contact middle school teachers to inform them about *Talking Trash in Tucson* and the *Look What's New With Do More Blue* poster contest. Emphasize that a variety of ADE academic standards are addressed by the different activities in the curriculum. Remind teachers that they can request a copy of the activities if they have difficulties downloading.
- Revise ADE academic standards once the new Next Generation Science Standards are adopted by the AZ Department of Education (the NGSS were released in April 2013).

VIII. *Look What's New with Do More Blue* Poster Contest

The *Look What's New With Do More Blue* middle school poster contest was created last year. The poster contest is part of a lesson added to the on-line middle school curriculum *Talking Trash in Tucson*, but it is also available as a separate downloadable file. The complete *Talking Trash In Tucson* file was downloaded 1,039 times during 2013-2014, Lesson 4 (which includes the poster contest) 286 times, and the separate file for just the poster contest 624 times.



Both middle school science and art teachers were contacted via email to advertise the new poster contest. In addition, the contest was posted on social media (including EEEExchange and Do More Blue Facebook pages), and flyers were placed in the Historic Y lobby and were available at the Math, Science and Technology Funfest. Entries were due by February 1.

This year, 113 entries were received for the *Look What's New With Do More Blue* poster contest, representing 17 teachers from 15 schools in 6 districts (TUSD, FWUSD, SUSD, VUSD, charter and private schools). EEEExchange selected approximately 15 “finalists” and gave all of the entries to Environmental Services for final decisions. One winner was selected (from Booth-Fickett Magnet School in TUSD). An awards ceremony was held on April 21; the winner was presented with a framed copy of his poster, and an enlarged poster was unveiled on both sides of a brand new CNG truck. Mayor Rothschild spoke at the event, as well as Nancy Peterson from ES. Several additional representatives from ES were present, as well as Neil Markowitz and Debbie Gevirtzman from EEEExchange. Refer to [Appendix G](#) for details.

A suggestion to increase the number of entries for next year would be to extend the contest to 5th grade.

APPENDIX A

City of Tucson Recycling Education Outreach Education Summary Report: 2013-2014

Summary

In 2013-2014, The Environmental Education Exchange presented **201 *Too Good to Throw Away!*** programs to **5,104** students at **52** schools. In addition, **42 *Do More Blue, Meet the Truck Crew*** programs were presented at **12** sites to **561** students in afterschool programs. **One** special event was attended.

<i>Too Good to Throw Away!</i>	
2013-2014:	201 presentations
1 st Grade:	769 students
2 nd Grade:	1196 students
3 rd Grade:	1546 students
4 th Grade:	737 students
5 th Grade:	409 students
Other (K-2 nd , 1 st /2 nd , 1 st -3 rd , 2 nd /3 rd , 3 rd /4 th , 3 rd -5 th , 4 th /5 th):	447 students
Total Students:	5104 students reached
Total Schools:	52 schools visited

Schools visited (For details, refer to **Appendix D.**)

TUSD: Bloom, Booth-Fickett, Borman, Borton, Carrillo, Cavett, Davidson, Dietz, Drachman Montessori, Erickson, Gale, Grijalva, Henry, Holiday, Hollinger, Howell, Hudlow, Hughes, Kellond, Lineweaver, Manzo, Marshall, McCorkle, Miles, Roberts/Naylor, Rose, Roskruge, Safford, Sewell, Soleng Tom, Tully, Van Buskirk, Whitmore, and Wright Elementary Schools
 AMPHI: Holaway and Rio Vista Elementary Schools
 SUSD: Elvira Elementary School
 VUSD: Civano Community and Desert Willow Elementary Schools
 CHARTER: Academy of Math and Science, Academy of Tucson Elementary School, Adventure School, AmeriSchools Academy, Children Reaching for the Sky, Children’s Success Academy, Khalsa Montessori-River, La Paloma Academy-Central
 PRIVATE: Desert Christian School, Our Mother of Sorrows Catholic School, Santa Cruz Catholic School, St. Ambrose School, Tucson Hebrew Academy

<i>Do More Blue, Meet the Truck Crew</i>	
2013-2014 Presentations:	42 Presentations/ 12 Sites
Total:	561 students reached

Sites visited (For details, refer to **Appendix E.**)

KIDCO sites visited

Bloom Elementary School	Grijalva Elementary School
Borton Elementary School	Miles Exploratory Learning Center
Cherry Avenue Recreation Center	Oyama Elementary School
Cragin Elementary School	Randolph Recreation Center
El Rio Neighborhood Center	Santa Rosa Neighborhood Center
Ford Elementary School	Tolson Elementary School

Special Events 2013-2014**Total: 1 special event**For details, refer to **Appendix F**.**Curricula Downloaded – 2013-2014**

Recycling Curricula Downloaded	2013-2014*
REVISED TGTA, GRADES 1-2 - COMPLETE	239
REVISED TGTA, GRADES 1-2 - ACTIVITY 1	310
REVISED TGTA, GRADES 1-2 - ACTIVITY 2	223
REVISED TGTA, GRADES 1-2 - ACTIVITY 3	225
REVISED TGTA, GRADES 1-2 - TEACHER LETTER	240
REVISED TGTA, GRADES 1-2 - TEACHER BACKGROUND	248
REVISED TGTA, GRADES 1-2 - VOCABULARY	215
REVISED TGTA, GRADES 1-2 - ADE STANDARDS	213
REVISED TGTA, GRADES 1-2 - COMPLETE - SPANISH	204
TGTA, GRADES 1-2 - COMPLETE	121
TGTA, GRADES 1-2 - ACTIVITY 1	153
TGTA, GRADES 1-2 - ACTIVITY 2	109
TGTA, GRADES 1-2 - ACTIVITY 3	62
TGTA, GRADES 1-2 - PRELIMINARY INFO	64
TGTA, GRADES 1-2 - ADE STANDARDS	42
TGTA, GRADES 1-2 - COMPLETE - SPANISH	160
REVISED TGTA, GRADES 3-5 - COMPLETE	242
REVISED TGTA, GRADES 3-5 - ACTIVITY 1	289
REVISED TGTA, GRADES 3-5 - ACTIVITY 2	275
REVISED TGTA, GRADES 3-5 - ACTIVITY 3	230
REVISED TGTA, GRADES 3-5 - TEACHER LETTER	252
REVISED TGTA, GRADES 3-5 - TEACHER BACKGROUND	232
REVISED TGTA, GRADES 3-5 - VOCABULARY	227
REVISED TGTA, GRADES 3-5 - ADE STANDARDS	229
REVISED TGTA, GRADES 3-5 - COMPLETE - SPANISH	251
TGTA, GRADES 3-5 - COMPLETE	57
TGTA, GRADES 3-5 - ACTIVITY 1	113
TGTA, GRADES 3-5 - ACTIVITY 2	147
TGTA, GRADES 3-5 - ACTIVITY 3	58
TGTA, GRADES 3-5 - PRELIMINARY INFO	20
TGTA, GRADES 3-5 - ADE STANDARDS	28
TGTA, GRADES 3-5 - COMPLETE - SPANISH	696
TTT - COMPLETE	1039
TTT - LESSON 1	1654
TTT - LESSON 2	406
TTT - LESSON 3	569
TTT - LESSON 4	286
TTT - TEACHER LETTER	177

TTT – TEACHER BACKGROUND	227
TTT - VOCABULARY	258
TTT - ADE STANDARDS	223
LOOK WHAT'S NEW WITH DO MORE BLUE POSTER CONTEST	624

TGTA = *Too Good to Throw Away!*

*September 1, 2013 – May 20, 2014

TTT = *Talking Trash in Tucson*

APPENDIX B

City of Tucson Recycling Education Outreach Education Summary Report: Autumn 2013

Summary

In Autumn 2013, The Environmental Education Exchange presented **99 *Too Good to Throw Away!*** programs to **2,475** students at **31** schools. In addition, **42 *Do More Blue, Meet the Truck Crew*** programs were presented at **12** KIDCO sites to **561** students. In total, **3,036** students were reached by both outreach programs. In addition, **1** (two-day) special event was attended.

Too Good to Throw Away!	
Autumn 2013:	99 presentations
1 st Grade:	154 students
2 nd Grade:	883 students
3 rd Grade:	676 students
4 th Grade:	360 students
5 th Grade:	238 students
Other (K-2 nd , 1 st /2 nd , 2 nd /3 rd , 3 rd -5 th , 4 th /5 th):	164 students
Total Students:	2475 students reached
Total Schools:	32 schools visited

Schools visited

TUSD: Bloom, Booth-Fickett, Borman, Cavett, Davidson, Dietz, Erickson, Gale, Grijalva, Holiday, Hollinger, Hudlow, Kellond, Lineweaver, Manzo, Marshall, Miles, Roskruge, Sewell, Whitmore, and Wright Elementary Schools

AMPHI: Holaway Elementary

SUSD: Elvira Elementary School

VUSD: Civano Community School

CHARTER: Academy of Tucson Elementary School, Adventure School, AmeriSchools Academy, Children Reaching for the Sky, Children's Success Academy

PRIVATE: Our Mother of Sorrows Catholic School, St. Ambrose School, Tucson Hebrew Academy

Do More Blue, Meet the Truck Crew

Autumn Presentations: **42 Presentations/ 12 Sites**

Total: 561 students reached

KIDCO sites visited

Bloom Elementary School

Borton Elementary School

Cherry Avenue Recreation Center

Cragin Elementary School

El Rio Neighborhood Center

Ford Elementary School

Grijalva Elementary School

Miles Exploratory Learning Center

Oyama Elementary School

Randolph Recreation Center

Santa Rosa Neighborhood Center

Tolson Elementary School

Highlights:

1. Debbie Gevirtzman continues to be the Outreach Education Coordinator.
2. Claudia Diaz-Combs and Julie Strom were hired as new presenters, and Torran Anderson, Cassie Mason, and Brian Stark have returned.
3. On August 26, new presenters attended a 2-hour *Too Good to Throw Away!* training.

4. On August 28, new and returning presenters attended a 2-hour training to learn/review about the logistics of being a presenter, including discussions on the contents of the training notebook, pay and time sheets, transportation, kit storage and supplies, the scheduling website, and classroom management.
3. After a year without doing presentations for 1st-2nd grades, The *Too Good to Throw Away!* program for 1st-2nd grade was revised during the summer. The 3rd-5th grade program had major revisions last year, so many of the changes needed for the presentation as well as the pre/post-visit background information were already in place. However, some modification was needed for the younger grades in the presentation as well as in the individual pre/post activities. In addition, the on-line evaluation was revised to include 1st-2nd grades once again.
4. A photo release statement was added to the entry form of the *Look What's New With Do More Blue* poster contest. Files for the contest as well as for *Talking Trash in Tucson* (the contest is a part of the curriculum) were revised and posted on the scheduling website as well as the Environmental Services website.
5. Curriculum activities for *Too Good to Throw Away!* and *Talking Trash in Tucson* continue to be downloaded from the website, even during the summer when no programs occur. During Autumn 2013, the number of downloads exceeded the number of *Too Good to Throw Away!* presentations, suggesting that there are teachers interested in the lessons without having classroom presentations. Note that teachers continue to download both the old and new versions of the pre/post-visit materials for *Too Good to Throw Away!*. Now that both the scheduling website and the ES website have the revised files posted, there should be an increase in downloading the revised files and a significant decrease in downloading the older files (although it's possible that teachers might find the older versions on the web). (See tables below.)
6. *Too Good to Throw Away!* continues to receive extremely positive feedback on evaluation forms and from direct communication with teachers. More TUSD teachers would like to schedule (there is already a waiting list).
7. *Do More Blue, Meet the Truck Crew* was presented at 12 KIDCO sites (42 presentations) to 561 students. All presentations were completed this autumn, so there will be no more recycling truck presentations for the remainder of the school year. During the last school year, 11 sites were visited, with 44 presentations and 563 students reached.
8. The total number of students reached by *Too Good to Throw Away!* increased in Autumn 2013 (170 additional students), with 6 additional presentations and 1 fewer school compared with Autumn 2012.
9. Teachers have already scheduled 54 *Too Good to Throw Away!* programs for the spring (as compared to 42 presentations last year at this time). There are 46 presentations remaining (out of 200) to be scheduled, as compared with 65 at this time last year. Although grades 1-5 can possibly schedule, there is still a limit to the number of teachers who can schedule because the presentations must be within city limits.

Recycling Curricula Downloaded	Summer 2013*	Autumn 2013**
REVISED TGTA, GRADES 1-2 - COMPLETE	31	94
REVISED TGTA, GRADES 1-2 - ACTIVITY 1	26	130
REVISED TGTA, GRADES 1-2 - ACTIVITY 2	21	85
REVISED TGTA, GRADES 1-2 - ACTIVITY 3	19	82
REVISED TGTA, GRADES 1-2 - TEACHER LETTER	23	89
REVISED TGTA, GRADES 1-2 - TEACHER BACKGROUND	22	94
REVISED TGTA, GRADES 1-2 - VOCABULARY	19	83
REVISED TGTA, GRADES 1-2 - ADE STANDARDS	20	87
REVISED TGTA, GRADES 1-2 - COMPLETE - SPANISH	20	83
TGTA, GRADES 1-2 - COMPLETE	74	42
TGTA, GRADES 1-2 - ACTIVITY 1	132	91
TGTA, GRADES 1-2 - ACTIVITY 2	80	60

TGTA, GRADES 1-2 - ACTIVITY 3	64	31
TGTA, GRADES 1-2 - PRELIMINARY INFO	50	31
TGTA, GRADES 1-2 - ADE STANDARDS	51	20
TGTA, GRADES 1-2 - COMPLETE - SPANISH	96	75
REVISED TGTA, GRADES 3-5 - COMPLETE	85	91
REVISED TGTA, GRADES 3-5 - ACTIVITY 1	85	117
REVISED TGTA, GRADES 3-5 - ACTIVITY 2	73	103
REVISED TGTA, GRADES 3-5 - ACTIVITY 3	77	92
REVISED TGTA, GRADES 3-5 - TEACHER LETTER	82	92
REVISED TGTA, GRADES 3-5 - TEACHER BACKGROUND	79	90
REVISED TGTA, GRADES 3-5 - VOCABULARY	76	92
REVISED TGTA, GRADES 3-5 - ADE STANDARDS	78	88
REVISED TGTA, GRADES 3-5 - COMPLETE - SPANISH	107	101
TGTA, GRADES 3-5 - COMPLETE	20	19
TGTA, GRADES 3-5 - ACTIVITY 1	31	77
TGTA, GRADES 3-5 - ACTIVITY 2	60	79
TGTA, GRADES 3-5 - ACTIVITY 3	11	13
TGTA, GRADES 3-5 - PRELIMINARY INFO	4	4
TGTA, GRADES 3-5 - ADE STANDARDS	4	12
TGTA, GRADES 3-5 - COMPLETE - SPANISH	256	498
TTT - COMPLETE	112	771
TTT - LESSON 1	519	645
TTT - LESSON 2	141	139
TTT - LESSON 3	181	230
TTT - LESSON 4	127	130
TTT - TEACHER LETTER	87	76
TTT - TEACHER BACKGROUND	105	99
TTT - VOCABULARY	107	97
TTT - ADE STANDARDS	83	96
LOOK WHAT'S NEW WITH DO MORE BLUE POSTER CONTEST	170	157

*June 1-Aug. 31, 2013 **Sept. 1-Dec. 19,2013

TGTA = *Too Good to Throw Away!*

TTT = *Talking Trash in Tucson*

Note: Revised TGTA curricula for Grades 1-2 were posted online in late July, 2013.

APPENDIX C

City of Tucson Recycling Education Outreach Education Summary Report: Spring 2014

Summary

In Spring 2014, The Environmental Education Exchange presented **102 *Too Good to Throw Away!* programs** to **2,629 students** at **27 schools**.

Too Good to Throw Away!	
Spring 2014:	102 presentations
1 st Grade:	615 students
2 nd Grade:	313 students
3 rd Grade:	870 students
4 th Grade:	377 students
5 th Grade:	171 students
Other (K-2 nd , 1 st -2 nd , 1 st -3 rd , 3 rd /4 th , 4 th /5 th):	283 students
Total Students:	2629 students reached
Total Schools:	27 schools visited

Schools visited

TUSD: Borton, Carrillo, Drachman Montessori, Erickson, Henry, Hollinger, Howell, Hughes, Lineweaver, Marshall, McCorkle, Roberts/Naylor, Rose, Roskrue, Safford, Soleng Tom, Tully, Van Buskirk, and Whitmore Elementary Schools

AMPHI: Holaway and Rio Vista Elementary Schools

VUSD: Desert Willow Elementary School

CHARTER: Academy of Math and Science, Khalsa Montessori-River, La Paloma Academy-Central

PRIVATE: Desert Christian School, Santa Cruz Catholic School

Highlights:

1. There were 45 additional presentations to 30 additional students at one additional school in Spring 2014 compared with Spring 2013.
2. Environmental Services allotted *Too Good to Throw Away!* presentations in TUSD, for a total of 139. In total, 201 presentations were scheduled in a variety of districts, with a waiting list for additional presentations.
3. *Too Good to Throw Away!* continues to receive extremely positive feedback on evaluation forms and from direct communication with teachers.
4. Curriculum activities for *Too Good to Throw Away!* and *Talking Trash in Tucson* continue to be downloaded from the website. During the spring, the number of downloads exceeds the number of *Too Good to Throw Away!* presentations, suggesting that there are teachers interested in the lessons without having classroom presentations. Note that some teachers continue to download the old versions of the pre/post-visit materials for *Too Good to Throw Away!*. The revised files are posted on both the scheduling website and the ES website, but it's possible that teachers are finding the older versions cached on-line.
5. There were 113 entries submitted to the *Look What's New With Do More Blue* poster contest. EEExchange selected 15 "finalists" and gave all of the entries to Environmental Services for final decisions. On April 21, ES held an awards ceremony for the winning student at Booth-Fickett Magnet School in TUSD. The winning poster was enlarged and mounted on both sides of a brand-new CNG truck. The poster was also framed and presented to the winner. Mayor Rothschild spoke at the event, as well as Nancy Peterson from ES. Several additional representatives from ES were present, including Cristina Polsgrove who organized the event, as well as Neil Markowitz and Debbie Gevirtzman from EEExchange.

Curricula Downloaded – Spring 2014

Recycling Curricula Downloaded	Spring 2014*
REVISED TGTA, GRADES 1-2 - COMPLETE	137
REVISED TGTA, GRADES 1-2 - ACTIVITY 1	165
REVISED TGTA, GRADES 1-2 - ACTIVITY 2	128
REVISED TGTA, GRADES 1-2 - ACTIVITY 3	134
REVISED TGTA, GRADES 1-2 - TEACHER LETTER	139
REVISED TGTA, GRADES 1-2 - TEACHER BACKGROUND	138
REVISED TGTA, GRADES 1-2 - VOCABULARY	123
REVISED TGTA, GRADES 1-2 - ADE STANDARDS	118
REVISED TGTA, GRADES 1-2 - COMPLETE - SPANISH	113
TGTA, GRADES 1-2 - COMPLETE	73
TGTA, GRADES 1-2 - ACTIVITY 1	51
TGTA, GRADES 1-2 - ACTIVITY 2	43
TGTA, GRADES 1-2 - ACTIVITY 3	27
TGTA, GRADES 1-2 - PRELIMINARY INFO	29
TGTA, GRADES 1-2 - ADE STANDARDS	19
TGTA, GRADES 1-2 - COMPLETE - SPANISH	79
REVISED TGTA, GRADES 3-5 - COMPLETE	141
REVISED TGTA, GRADES 3-5 - ACTIVITY 1	159
REVISED TGTA, GRADES 3-5 - ACTIVITY 2	158
REVISED TGTA, GRADES 3-5 - ACTIVITY 3	127
REVISED TGTA, GRADES 3-5 - TEACHER LETTER	144
REVISED TGTA, GRADES 3-5 - TEACHER BACKGROUND	127
REVISED TGTA, GRADES 3-5 - VOCABULARY	125
REVISED TGTA, GRADES 3-5 - ADE STANDARDS	131
REVISED TGTA, GRADES 3-5 - COMPLETE - SPANISH	137
TGTA, GRADES 3-5 - COMPLETE	31
TGTA, GRADES 3-5 - ACTIVITY 1	33
TGTA, GRADES 3-5 - ACTIVITY 2	65
TGTA, GRADES 3-5 - ACTIVITY 3	43
TGTA, GRADES 3-5 - PRELIMINARY INFO	13
TGTA, GRADES 3-5 - ADE STANDARDS	13
TGTA, GRADES 3-5 - COMPLETE - SPANISH	187
TTT - COMPLETE	249
TTT - LESSON 1	961
TTT - LESSON 2	250
TTT - LESSON 3	317
TTT - LESSON 4	143
TTT - TEACHER LETTER	89
TTT - TEACHER BACKGROUND	115
TTT - VOCABULARY	145
TTT - ADE STANDARDS	113

<i>LOOK WHAT'S NEW WITH DO MORE BLUE POSTER CONTEST</i>	453
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TGTA = *Too Good to Throw Away!*

*January 1-May 20, 2014

TTT = *Talking Trash in Tucson*

APPENDIX D

Too Good to Throw Away! Participating Schools 2013-2014

Date	District	School	Program	Students	Grades
9/3/13 9:30	TUSD	KELLOND ELEM SCH	TGTA	30	3
9/3/13 10:35	TUSD	KELLOND ELEM SCH	TGTA	30	3
9/4/13 8:35	TUSD	SEWELL ELEM SCH	TGTA	30	2
9/4/13 9:35	TUSD	SEWELL ELEM SCH	TGTA	24	2
9/4/13 10:35	TUSD	SEWELL ELEM SCH	TGTA	30	2
9/5/13 11:30	C/P	AMERISCHOOLS ACADEMY	TGTA	20	3
9/5/13 12:35	C/P	AMERISCHOOLS ACADEMY	TGTA	25	2
9/5/13 13:40	C/P	AMERISCHOOLS ACADEMY	TGTA	21	1
9/6/13 12:30	C/P	AMERISCHOOLS ACADEMY	TGTA	26	4
9/6/13 13:35	C/P	AMERISCHOOLS ACADEMY	TGTA	27	5
9/9/13 8:45	VUSD	CIVANO COMMUNITY SCH	TGTA	34	K-2
9/9/13 10:00	VUSD	CIVANO COMMUNITY SCH	TGTA	34	3-5
9/10/13 9:30	TUSD	KELLOND ELEM SCH	TGTA	30	3
9/10/13 10:35	TUSD	KELLOND ELEM SCH	TGTA	30	3
9/11/13 12:15	C/P	OUR MOTHER OF SORROWS	TGTA	35	2
9/11/13 13:30	C/P	OUR MOTHER OF SORROWS	TGTA	31	1
9/12/13 9:30	TUSD	DIETZ ELEM SCH	TGTA	35	4
9/12/13 10:35	TUSD	DIETZ ELEM SCH	TGTA	35	4
9/13/13 9:00	C/P	CHILDREN'S SUCCESS ACADEMY	TGTA	10	3
9/13/13 10:05	C/P	CHILDREN'S SUCCESS ACADEMY	TGTA	18	2
9/13/13 11:10	C/P	CHILDREN'S SUCCESS ACADEMY	TGTA	19	4/5
9/16/13 12:30	TUSD	MANZO ELEM SCH	TGTA	18	2
9/16/13 13:35	TUSD	MANZO ELEM SCH	TGTA	29	2
9/17/13 8:00	TUSD	HENRY ELEM SCH	TGTA	30	5
9/17/13 9:05	TUSD	HENRY ELEM SCH	TGTA	30	5
9/18/13 8:30	C/P	ACAD OF TUCSON ELEM SCH	TGTA	30	3
9/18/13 9:35	C/P	ACAD OF TUCSON ELEM SCH	TGTA	30	3
9/20/13 8:30	TUSD	GALE ELEM SCH	TGTA	30	4
9/20/13 9:45	TUSD	GALE ELEM SCH	TGTA	30	4
9/24/13 12:00	C/P	ADVENTURE SCHOOL	TGTA	22	1
9/24/13 13:05	C/P	ADVENTURE SCHOOL	TGTA	22	2
9/27/13 12:30	C/P	ADVENTURE SCHOOL	TGTA	22	3
9/27/13 13:35	C/P	ADVENTURE SCHOOL	TGTA	22	4/5
9/30/13 12:00	TUSD	ROSKRUGE ELEM SCH	TGTA	25	2
9/30/13 13:05	TUSD	ROSKRUGE ELEM SCH	TGTA	25	2
10/1/13 9:00	TUSD	DAVIDSON ELEM SCH	TGTA	25	3

10/1/13 10:15	TUSD	DAVIDSON ELEM SCH	TGTA	22	3
10/3/13 9:00	TUSD	ERICKSON ELEM SCH	TGTA	26	2
10/3/13 10:05	TUSD	ERICKSON ELEM SCH	TGTA	24	2
10/8/13 8:15	SUSD	ELVIRA ELEM SCH	TGTA	33	2
10/8/13 9:20	SUSD	ELVIRA ELEM SCH	TGTA	33	2
10/8/13 10:25	SUSD	ELVIRA ELEM SCH	TGTA	30	2
10/14/13 8:00	C/P	ST AMBROSE SCH	TGTA	30	2
10/14/13 9:00	C/P	ST AMBROSE SCH	TGTA	29	3
10/14/13 10:00	C/P	ST AMBROSE SCH	TGTA	24	4
10/17/13 9:00	TUSD	HUDLOW ELEM SCH	TGTA	25	3
10/17/13 10:05	TUSD	HUDLOW ELEM SCH	TGTA	25	2/3
10/18/13 8:00	TUSD	BLOOM ELEM SCH	TGTA	21	2
10/18/13 9:05	TUSD	BLOOM ELEM SCH	TGTA	22	2
10/18/13 10:10	TUSD	BLOOM ELEM SCH	TGTA	22	2
10/24/13 9:00	TUSD	ERICKSON ELEM SCH	TGTA	22	2
10/24/13 10:05	TUSD	ERICKSON ELEM SCH	TGTA	26	2
10/25/13 10:40	TUSD	BOOTH-FICKETT MAG (K-8)	TGTA	21	2
10/25/13 12:25	TUSD	BOOTH-FICKETT MAG (K-8)	TGTA	24	2
10/25/13 13:30	TUSD	BOOTH-FICKETT MAG (K-8)	TGTA	24	2
10/28/13 8:45	TUSD	LINEWEAVER ELEM SCH	TGTA	25	5
10/28/13 9:50	TUSD	LINEWEAVER ELEM SCH	TGTA	25	5
10/28/13 10:55	C/P	ACAD OF TUCSON ELEM SCH	TGTA	25	4
10/28/13 12:50	C/P	ACAD OF TUCSON ELEM SCH	TGTA	26	4
11/1/13 12:30	TUSD	HOLLADAY ELEM SCH	TGTA	18	3
11/1/13 13:35	TUSD	HOLLADAY ELEM SCH	TGTA	20	3
11/5/13 9:00	TUSD	WRIGHT ELEM SCH	TGTA	22	2
11/5/13 10:05	TUSD	WRIGHT ELEM SCH	TGTA	22	2
11/5/13 11:10	TUSD	WRIGHT ELEM SCH	TGTA	22	2
11/8/13 10:00	TUSD	BORMAN ELEM SCH	TGTA	25	5
11/8/13 11:05	TUSD	BORMAN ELEM SCH	TGTA	25	5
11/12/13 8:30	C/P	OUR MOTHER OF SORROWS	TGTA	18	3
11/12/13 9:45	C/P	OUR MOTHER OF SORROWS	TGTA	18	3
11/14/13 8:00	TUSD	GRIJALVA ELEM SCH	TGTA	23	2
11/14/13 9:05	TUSD	GRIJALVA ELEM SCH	TGTA	26	2
11/14/13 10:10	TUSD	GRIJALVA ELEM SCH	TGTA	27	2
11/15/13 8:00	TUSD	GRIJALVA ELEM SCH	TGTA	26	2
11/15/13 9:05	TUSD	GRIJALVA ELEM SCH	TGTA	26	2
11/15/13 9:00	TUSD	BLOOM ELEM SCH	TGTA	27	3
11/15/13 10:05	TUSD	BLOOM ELEM SCH	TGTA	26	3
11/18/13 8:45	TUSD	WHITMORE ELEM SCH	TGTA	28	3

11/18/13 9:50	TUSD	WHITMORE ELEM SCH	TGTA	27	3
11/21/13 8:30	TUSD	MARSHALL ELEM SCH	TGTA	25	3
11/21/13 9:35	TUSD	MARSHALL ELEM SCH	TGTA	25	3
11/22/13 12:00	TUSD	CAVETT ELEM SCH	TGTA	28	1
11/22/13 13:05	TUSD	CAVETT ELEM SCH	TGTA	28	2
11/25/13 8:45	TUSD	HOLLINGER ELEM SCH	TGTA	20	4
11/25/13 9:50	TUSD	HOLLINGER ELEM SCH	TGTA	22	4
11/25/13 10:55	TUSD	HOLLINGER ELEM SCH	TGTA	26	4
11/26/13 8:45	TUSD	HOLLINGER ELEM SCH	TGTA	26	5
11/26/13 9:50	TUSD	HOLLINGER ELEM SCH	TGTA	25	5
11/26/13 9:50	TUSD	HOLLINGER ELEM SCH	TGTA	24	5
11/26/13 13:00	C/P	TUCSON HEBREW ACAD	TGTA	21	3
11/26/13 14:05	C/P	TUCSON HEBREW ACAD	TGTA	21	4
11/27/13 12:15	AMPHI	HOLAWAY ELEM SCH	TGTA	17	3
11/27/13 13:20	AMPHI	HOLAWAY ELEM SCH	TGTA	17	3
12/2/13 12:30	C/P	CHILDREN REACH FOR THE SKY	TGTA	20	4
12/2/13 13:35	C/P	CHILDREN REACH FOR THE SKY	TGTA	20	4
12/5/13 12:00	TUSD	HUDLOW ELEM SCH	TGTA	30	1/2
12/5/13 13:00	TUSD	HUDLOW ELEM SCH	TGTA	30	1
12/10/13 13:00	C/P	TUCSON HEBREW ACADEMY	TGTA	22	1
12/10/13 14:05	C/P	TUCSON HEBREW ACADEMY	TGTA	22	2
12/16/13 8:00	TUSD	DIETZ ELEM SCH	TGTA	28	3
12/16/13 9:05	TUSD	DIETZ ELEM SCH	TGTA	28	3
1/9/14 12:30	TUSD	CARRILLO MAGNET SCH	TGTA	26	2
1/9/14 13:35	TUSD	CARRILLO MAGNET SCH	TGTA	26	2
1/14/14 8:55	AMPHI	RIO VISTA ELEM SCH	TGTA	22	1
1/14/14 10:00	AMPHI	RIO VISTA ELEM SCH	TGTA	23	1
1/15/14 8:55	AMPHI	RIO VISTA ELEM SCH	TGTA	22	1
1/15/14 10:00	AMPHI	RIO VISTA ELEM SCH	TGTA	23	1
1/17/14 8:45	TUSD	BORTON ELEM SCH	TGTA	25	3
1/17/14 9:50	TUSD	BORTON ELEM SCH	TGTA	25	3
1/17/14 10:55	TUSD	BORTON ELEM SCH	TGTA	25	3
2/5/14 9:00	TUSD	LINWEAVER ELEM SCH	TGTA	33	3
2/5/14 10:05	TUSD	LINWEAVER ELEM SCH	TGTA	33	3
2/5/14 11:10	TUSD	LINWEAVER ELEM SCH	TGTA	34	3
2/19/14 9:00	AMPHI	HOLAWAY ELEM SCH	TGTA	20	4
2/19/14 10:15	AMPHI	HOLAWAY ELEM SCH	TGTA	20	4
2/25/14 8:50	C/P	LA PALOMA ACAD-CENTRAL	TGTA	30	4
2/25/14 9:55	C/P	LA PALOMA ACAD-CENTRAL	TGTA	30	4
2/25/14 11:00	C/P	LA PALOMA ACAD-CENTRAL	TGTA	30	4

3/4/14 8:00	C/P	ACAD OF MATH AND SCIENCE	TGTA	25	3
3/4/14 9:05	C/P	ACAD OF MATH AND SCIENCE	TGTA	22	3
3/27/14 9:00	C/P	SANTA CRUZ CATHOLIC SCH	TGTA	25	4
3/27/14 10:05	C/P	SANTA CRUZ CATHOLIC SCH	TGTA	26	5
3/31/14 13:30	TUSD	MCCORKLE PREK-8 SCH	TGTA	17	2
3/31/14 14:35	TUSD	MCCORKLE PREK-8 SCH	TGTA	18	2
4/1/14 8:00	TUSD	MARSHALL ELEM SCH	TGTA	23	5
4/1/14 9:05	TUSD	MARSHALL ELEM SCH	TGTA	23	5
4/1/14 10:10	TUSD	MARSHALL ELEM SCH	TGTA	17	5
4/3/14 9:00	TUSD	ERICKSON ELEM SCH	TGTA	24	1
4/3/14 10:15	TUSD	ERICKSON ELEM SCH	TGTA	26	1
4/4/14 9:00	TUSD	ERICKSON ELEM SCH	TGTA	26	1
4/4/14 10:15	TUSD	ERICKSON ELEM SCH	TGTA	25	1
4/9/14 12:30	C/P	DESERT CHRISTIAN SCH (K-8)	TGTA	14	1
4/9/14 13:35	C/P	DESERT CHRISTIAN SCH (K-8)	TGTA	19	2
4/10/14 8:45	TUSD	HUGHES, SAM ELEM SCH	TGTA	25	1
4/10/14 9:45	TUSD	HUGHES, SAM ELEM SCH	TGTA	25	1
4/10/14 10:45	TUSD	HUGHES, SAM ELEM SCH	TGTA	25	1
4/11/14 9:00	TUSD	VAN BUSKIRK ELEM SCH	TGTA	25	1
4/11/14 10:05	TUSD	VAN BUSKIRK ELEM SCH	TGTA	21	1
4/11/14 12:00	TUSD	VAN BUSKIRK ELEM SCH	TGTA	25	1
4/15/14 8:30	TUSD	ERICKSON ELEM SCH	TGTA	28	3
4/15/14 9:00	TUSD	HOWELL ELEM SCH	TGTA	30	3
4/15/14 9:35	TUSD	ERICKSON ELEM SCH	TGTA	25	3
4/15/14 10:05	TUSD	HOWELL ELEM SCH	TGTA	30	3
4/16/14 8:00	TUSD	HENRY ELEM SCH	TGTA	30	2
4/16/14 9:05	TUSD	HENRY ELEM SCH	TGTA	30	2
4/17/14 9:00	TUSD	HOLLINGER ELEM SCH	TGTA	22	1/2
4/17/14 10:05	TUSD	HOLLINGER ELEM SCH	TGTA	28	2
4/21/14 8:30	TUSD	VAN BUSKIRK ELEM SCH	TGTA	25	3
4/21/14 9:35	TUSD	VAN BUSKIRK ELEM SCH	TGTA	25	3
4/21/14 10:40	TUSD	VAN BUSKIRK ELEM SCH	TGTA	20	3
4/21/14 11:45	TUSD	TULLY ELEM SCH	TGTA	25	1
4/21/14 12:45	TUSD	TULLY ELEM SCH	TGTA	24	1
4/21/14 13:45	TUSD	TULLY ELEM SCH	TGTA	17	1
4/22/14 8:15	TUSD	ERICKSON ELEM SCH	TGTA	26	3
4/22/14 8:50	TUSD	SOLENG TOM ELEM SCH	TGTA	25	3
4/22/14 9:20	TUSD	ERICKSON ELEM SCH	TGTA	27	3
4/22/14 9:55	TUSD	SOLENG TOM ELEM SCH	TGTA	25	3
4/22/14 11:00	TUSD	SOLENG TOM ELEM SCH	TGTA	25	3

4/23/14 9:10	TUSD	MILES EXPL LRNING CENTER K-8	TGTA	25	1/2
4/23/14 10:15	TUSD	MILES EXPL LRNING CENTER K-8	TGTA	27	1-3
4/23/14 11:20	TUSD	MILES EXPL LRNING CENTER K-8	TGTA	27	K-2
4/24/14 9:00	TUSD	ROSE K-8 SCH	TGTA	30	4
4/24/14 10:05	TUSD	ROSE K-8 SCH	TGTA	30	4
4/24/14 12:00	TUSD	ROSKRUGE ELEM SCH	TGTA	23	1
4/24/14 13:05	TUSD	ROSKRUGE ELEM SCH	TGTA	22	1
4/25/14 9:20	TUSD	HOWELL ELEM SCH	TGTA	24	2
4/25/14 10:25	TUSD	HOWELL ELEM SCH	TGTA	22	2
4/25/14 12:10	TUSD	HOWELL ELEM SCH	TGTA	20	2
4/29/14 8:15	TUSD	MARSHALL ELEM SCH	TGTA	27	1
4/29/14 9:20	TUSD	MARSHALL ELEM SCH	TGTA	23	1
4/30/14 9:00	TUSD	TULLY ELEM SCH	TGTA	27	2
4/30/14 10:05	TUSD	TULLY ELEM SCH	TGTA	26	2
4/30/14 12:00	TUSD	TULLY ELEM SCH	TGTA	27	2/3
5/1/14 8:45	TUSD	WHITMORE ELEM SCH	TGTA	31	1
5/1/14 9:50	TUSD	WHITMORE ELEM SCH	TGTA	31	1
5/2/14 9:00	TUSD	ROBERTS/NAYLOR K-8 SCH	TGTA	27	5
5/2/14 10:05	TUSD	ROBERTS/NAYLOR K-8 SCH	TGTA	25	5
5/5/14 8:45	AMPHI	RIO VISTA ELEM SCH	TGTA	26	3
5/5/14 9:50	AMPHI	RIO VISTA ELEM SCH	TGTA	25	3
5/5/14 10:55	AMPHI	RIO VISTA ELEM SCH	TGTA	26	3
5/5/14 13:00	TUSD	SAFFORD K-8 SCH	TGTA	21	1
5/5/14 14:05	TUSD	SAFFORD K-8 SCH	TGTA	20	1
5/6/14 9:55	TUSD	TULLY ELEM SCH	TGTA	26	4
5/6/14 11:00	TUSD	TULLY ELEM SCH	TGTA	30	5
5/6/14 12:30	TUSD	TULLY ELEM SCH	TGTA	26	4
5/7/14 9:00	TUSD	ROBERTS/NAYLOR K-8 SCH	TGTA	24	4/5
5/7/14 10:05	TUSD	ROBERTS/NAYLOR K-8 SCH	TGTA	30	4
5/7/14 11:10	TUSD	ROBERTS/NAYLOR K-8 SCH	TGTA	26	3/4
5/9/14 10:20	TUSD	TULLY ELEM SCH	TGTA	27	3
5/9/14 12:00	TUSD	TULLY ELEM SCH	TGTA	24	3
5/12/14 9:00	TUSD	HUGHES, SAM ELEM SCH	TGTA	35	3
5/12/14 10:05	TUSD	HUGHES, SAM ELEM SCH	TGTA	35	3
5/13/14 8:40	TUSD	SOLENG TOM ELEM SCH	TGTA	28	4
5/13/14 9:40	TUSD	SOLENG TOM ELEM SCH	TGTA	26	4
5/13/14 10:40	TUSD	SOLENG TOM ELEM SCH	TGTA	26	4
5/13/14 13:00	C/P	KHALSA MONTESS SCH - RIVER	TGTA	24	1-3
5/13/14 14:00	C/P	KHALSA MONTESS SCH - RIVER	TGTA	25	1-3
5/14/14 9:00	TUSD	DRACHMAN MONTESS SCH	TGTA	28	1-3

5/14/14 10:05	TUSD	DRACHMAN MONTESS SCH	TGTA	28	1-3
5/14/14 12:15	VUSD	DESERT WILLOW ELEM SCH	TGTA	37	3
5/14/14 13:20	VUSD	DESERT WILLOW ELEM SCH	TGTA	38	3
5/15/14 12:15	VUSD	DESERT WILLOW ELEM SCH	TGTA	38	3
5/15/14 13:20	VUSD	DESERT WILLOW ELEM SCH	TGTA	26	3

TGTA = *Too Good to Throw Away!*

APPENDIX E

Do More Blue, Meet the Truck Crew 2013-2014

Date	KIDCO Site	Program	Presentations	Students
9/18/13 14:15	Borton Elementary School	DMB	4	75
9/25/13 14:00	Grijalva Elementary School	DMB	4	80
10/2/2013, 3:00	Miles Exploratory Learning Center	DMB	4	50
10/16/2013, 2:00	Ford Elementary School	DMB	5	65
10/23/2013, 2:00	Cherry Avenue Recreation Center	DMB	3	40
10/30/2013, 2:00	Bloom Elementary School	DMB	4	50
11/6/2013, 2:00	El Rio Neighborhood Center	DMB	4	40
11/13/2013, 2:00	Tolson Elementary School	DMB	3	40
11/20/2013, 2:30	Randolph Recreation Center	DMB	3	35
12/4/2013, 2:00	Santa Rosa Neighborhood Center	DMB	3	30
12/11/2013, 2:00	Oyama Elementary School	DMB	3	34
12/18/2013, 2:00	Cragin Elementary School	DMB	2	22
TOTAL	12 Sites		42	561

DMB = *Do More Blue, Meet the Truck Crew*



APPENDIX F

Special Events 2013-2014

DATE	TIME	EVENT
11/7-8/2013	9:00-1:00	Math, Science and Technology Funfest at TCC



APPENDIX G

Look What's New with Do More Blue Poster Contest 2014

District	School	Entries Submitted	"Finalists"	Winners
TUSD	Booth-Fickett Math/Sci Magnet School	13	4	1
TUSD	Doolen Middle School	3		
TUSD	Magee Middle School	3		
TUSD	McCorkle Academy of Excellence (K-8)	26	4	
TUSD	Miles Exploratory Learning Center (K-8)	2		
TUSD	Roberts/Naylor K-8 School	11		
TUSD	Roskruge Bilingual Middle School	2	1	
FWUSD	Flowing Wells Jr. High	1		
SUSD	Sierra Middle School	2	2	
VUSD	Desert Sky Middle School	1		
CHARTER	AZ Virtual Academy	1		
CHARTER	Khalsa Montessori School - River	3		
CHARTER	La Paloma Academy - Lakeside	16	3	
PRIVATE	Our Mother of Sorrows Catholic School	28	1	
PRIVATE	St. Cyril School	1		
TOTAL		113 students	15 students	1 student
		17 teachers	7 teachers	1 teacher
		15 schools	6 schools	1 school
		6 districts	4 districts	1 district

