

Just Save It

Western Coventry's Green Team

Western Coventry Elementary School
Western Coventry, Rhode Island
Advisor: Kerri Luchka

Video Project:
SAVE IT by Western's Green Team

April 2018



Western's Green Team



Summary

This year we were excited to be part of Western's Green Team. It is the largest Green Team yet consisting of 30 members of Fifth Grade! We worked to determine our goals, projects and purpose in our school and local community. We recreated our logo which always includes Westie, the Wise Owl our beloved mascot, and set a goal to inspire our school and local community to take small steps to help SAVE IT! We started with collecting Potato-Thon Journals and submitted them to the Scituate High School. We worked in Western's Garden harvesting potatoes, onions, sunflowers and marigolds. From there, we worked to learn the science of energy, researched energy sources and ways to conserve energy. We held an Energy Expo to teach our Fourth Grade Friends about energy and why its important to SAVE IT! We delivered the first ENERGY TIMES newsletter promoting why our community should do their part in saving energy. National Grid came in to speak to us about energy savings and we helped our community by educating them and, most importantly, by providing them with much needed energy saving products like LED lightbulbs, plug strips and low-flow shower heads. I bet our community is using less ENERGY already!



This year's logo was designed by Madelyn Charron.

Summary Continued



Our efforts in RECYCLING continue with posters here at school, but in an effort to reach families we filmed a commercial to educate our local community how to properly recycle around the holidays—when trash increases! We also wanted to get our message out to as many families as possible and created a “Green” act for our schools annual talent show capitalizing on our K-5 families, extended family and friends. With hundreds of people in attendance, we performed, SAVE IT, live while our music video played in the background. It was a big hit! Instead of selling seeds from our garden this year, we decided to give seeds to each of our 380 families here at Western to help promote awareness of the importance of growing gardens and saving on transportation fuels. We also lead discussions about having hope for the future and being the CHANGE our world needs in our presentation of The Tin Forest in every classroom. We showed our younger friends how people are starting to be creative by reusing their plastic water bottles. As part of our Earth Day school-wide project we challenged students to reuse items around the house to create a Fairy and Hobbit Forest! In the end, we hope we have shown our community that...

WE CAN ALL BE THE CHANGE! So SAVE IT! JUST SAVE IT!

Project SAVE Energy!

Goal:

Educate the Western Community about energy consumption, energy sources and ways to SAVE energy.

Activities and Tasks:

- Learn about energy, sources of energy and how to save energy using NEED Resources and by having National Grid come in and talking to us about energy and energy consumption.
- Educate community about energy consumption and how to save energy by creating a Energy Times newsletter.
- Provide the community with information by providing a presentation as well as products that will help save them energy at their homes and businesses.



Student Leadership:

- We all had a responsibility to learn about energy use and how to SAVE energy.
- We created/showed a presentation to our families and friends.
- We encouraged our families and friends to purchase energy efficient products.

Resources:

- NEED Elementary Energy Infobook
- NEED Energy Sources
- NEED Saving Energy at School and Home
- National Grid

Evaluation:

Achievement of this goal was evident by the \$3,261 in sales of energy efficient products.

SAVE ENERGY

By Simon Pitts

Have you ever thought of ways you can save energy, or thought where does energy comes from in the first place? Well we've got you lots of ways you can save energy and save our nonrenewable resources. Your action will hopefully save our planet!

Believe it or not, out of the whole population of the earth, humans have done the most damage out of any other species or animal ever. We need to save our resources especially those that cannot be renewed. Coal takes millions of years to form. Scientists have estimated that in 50 to 100 years coal will be gone. The good news is coal keeps forming and that scientists are still finding coal even now, however, if we keep using coal at the rate we are now, coal may run out because we are using it faster than it can form. How is this happening you may ask? We are careless

Energy Times

LIMITED TIME ONLY: Energy Saving Products for Sale!

Choose your energy saving products before February Break!



Save Energy! Save Money! Support Western's Green Team!

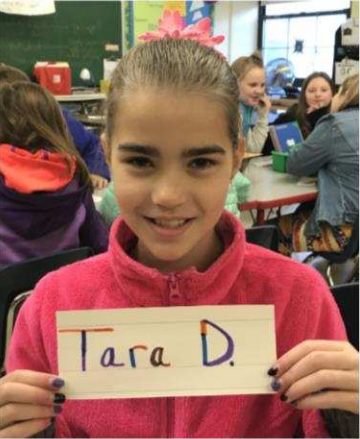
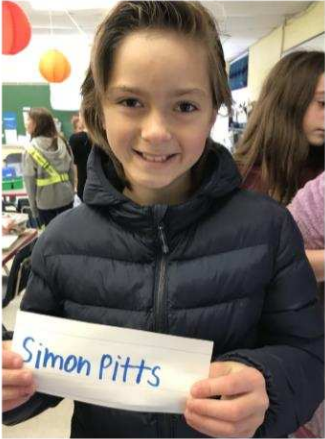
100% of the proceeds go to support Western's Green Teamers and their mission.

Please email Kerri Luchka (luchkakerr@coventringschools.net) if you would like to order energy efficient products for your home! Checks can be written to Western Coventry. Continue reading to see a product list and prices.

The Power to Change T

By Jillian Baris and Tara Dacev

Energy is the life of every day. The energy which is stored in energy we can use to power our lives. Energy is important and we need it to survive. It's up to you, to everyone to do with life on it! Energy is important and we need it to survive. It's up to you, to everyone to do



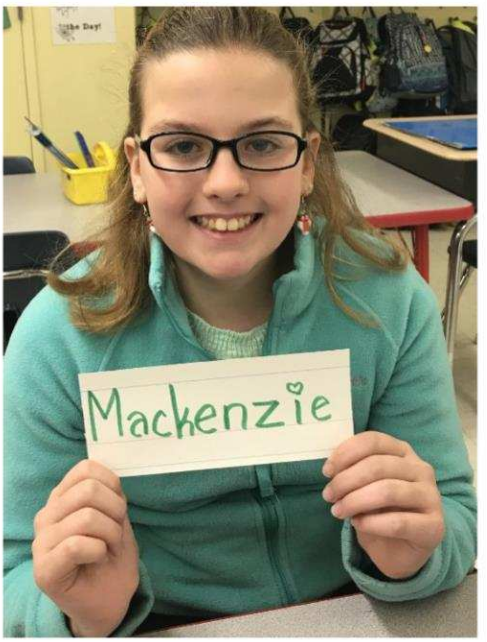
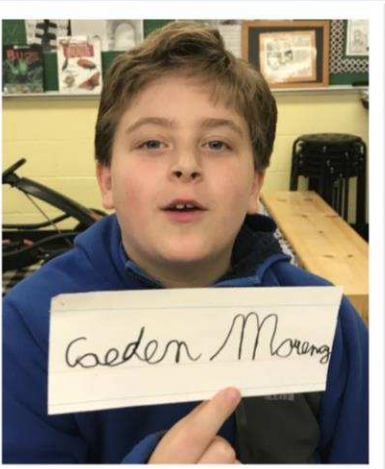
Writing Talent... Simon, Tara and Jillian!



Congratulations Mackenzie and Caeden were our top sellers!



60 Watt Incandescent	10 Watt LED
<ul style="list-style-type: none"> 800 lumens 90% of the energy wasted as heat, not light Lasts less than 1 year 	<ul style="list-style-type: none"> 800 lumens Uses up to 90% less energy ENERGY STAR certified Lasts 15 years



Project SAVE Earth From Trash!

Goals:

Educate our community about making better choices about trash by reducing what we use, reusing and recycling.

Activities and Tasks:

- We created posters to hang over every recycle bin in order to minimize the garbage that was polluting our bins. Our recycling would be tossed in the garbage if it were contaminated with food waste. In an effort to make sure our water bottles and paper products were recycled properly, we made educational posters to hang over every bin and educated our friends what to toss in!
- Held Saver's Recycle Drives to keep unwanted items from getting tossed in the trash. Saved on fossil fuels by organizing an event at the school where every one in the local community could drop off any unwanted items and we took only one trip to the donation center. We were able to hold a few FUNdrives this year!
- We created a Recycling Around the Holidays Video to help our community reduce the amount of trash they produce.
- Our school-wide earth day project of reusing our household items to create Fairy and Hobbit Houses to raise awareness of the importance of reducing trash by reducing, reusing and recycling.
- The Tin Forest book reading and discussion on the importance of reducing trash.

Resources:

NEED Talking Trash, NEED Transportation Fuels Infobook

Student Leadership:

- Learn about how to recycle properly and create a poster to teach others what goes in the bin.
- Organize, advertise and volunteer at the Saver's Recycle Drive.
- We taught the community via a video about what to recycle through the holiday. Find the video at: https://youtu.be/QOb_FcR8K_c
- Organize, advertise and lead the school in the Earth Day Project of creating Fairy and Hobbit Houses out of recycled household items.
- Prepare, read and lead discussions centered on the world's trash problem and pose solutions with younger children in order to raise awareness and inspire others to reduce the amount of trash we use, reuse when necessary (to make Fairy Houses, Lol!) and recycle!

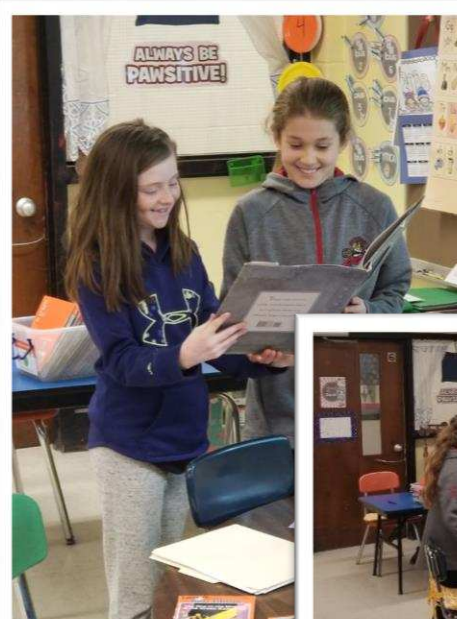
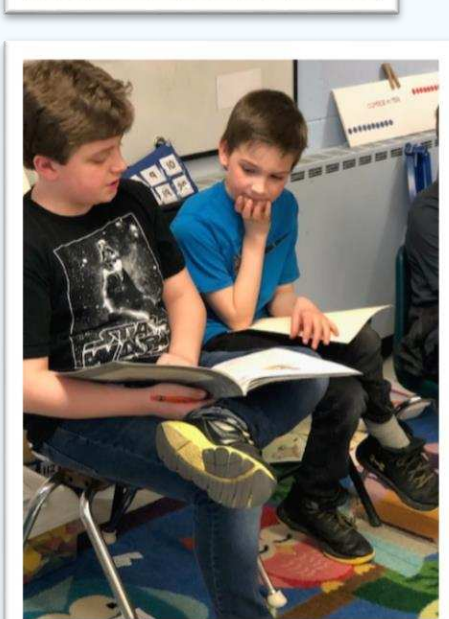
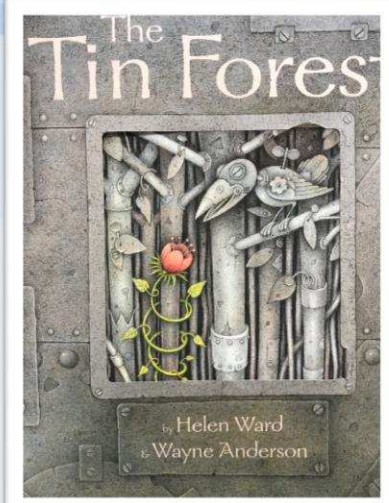
Evaluation:

Achievement of this goal was evident by the level of participation in the Fairy Houses and Saver's Drives. We saved 10,158 pounds of trash from ending up in the landfill instead, we donated the "trash" to Savers. Also, we were able to reduce the amount of recycling bins being emptied in the trash due to waste contamination.

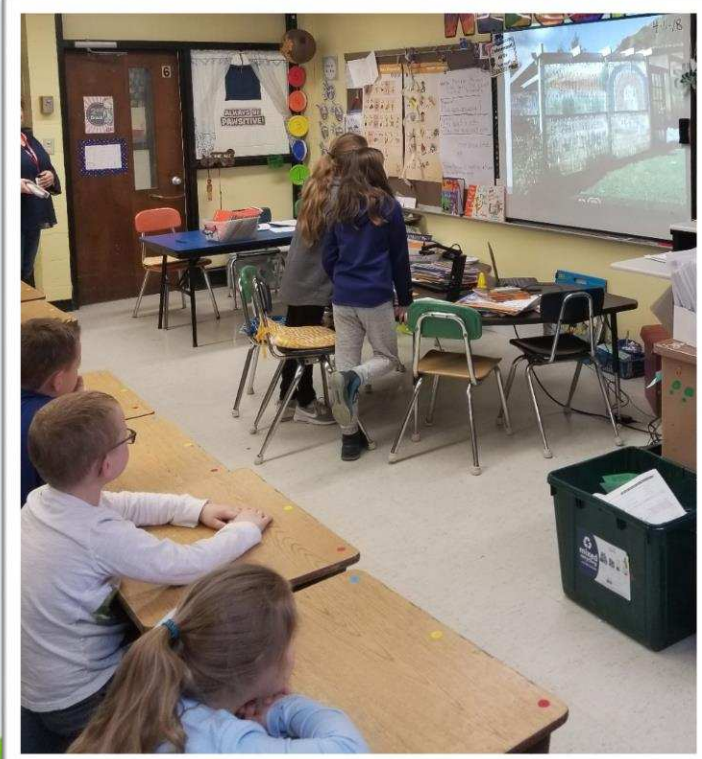
Western's Fairy and Hobbit Forest made From Reuseables and Recyclables



The Tin Forest Book Reading and Discussion



"A house
made out
of water
bottles!"



"Where there is a dream, there is hope!"

Saver's FUNdrive Yielding Over 10,000 lbs. to be Reused!



Empty Truck
Ready to Fill!!



Full Truck!!



Project SAVE Our Gardens!

Goals:

Keep the Western Garden growing and raise awareness of the importance/benefits of locally grown foods.

Activities and Tasks:

We know that kids can make a difference with each choice we make. We try to practice what we preach by reducing our ecological foot print and energy consumption. Locally grown foods reduce the amount of transportation fuels needed and emissions that are produced. Our goal is to keep the gardens growing and raise awareness in the community of the importance of supporting locally grown foods.

- We planted a vegetable garden in the spring, take on watering duties during the summer and harvest each fall.
- This fall we harvested mostly potatoes, flowers and seeds.
- We promoted awareness of the benefits of locally grown foods by distributing seeds to every Western family.
- We experimented with the potatoes and saved them to grow the next season to figure out how many potatoes would grow from our harvest.

Resources:

NEED Transportation Fuels Infobook

The Scituate High School NEED Club provides us with many plants for our gardens.

Student Leadership:

- Green Team members helped to plant the garden and care for it.
- Harvested and packaged seeds for the Western Community.
- We wrote a message to be handed out with the seeds in an effort to raise awareness of the benefits of buying local and the benefits of planting gardens.
- Green Team members provided each family in Western Coventry seeds from our Western Garden to start their own garden.

Evaluation:

Beautiful gardens that yield food and seeds. 380 seed packages given out to the community to help start gardens of their own as well as to raise awareness of the benefits of locally grown foods and reduction of the need for transportation fuels.



2017 Fall Harvest and Seed Program



Western's Green Team has an idea and with your help it will grow roots and sprout, growing bigger and bigger making our community a better and more beautiful place. Please plant and care for the seeds we have given you to raise awareness of the importance of growing your own gardens! Growing and eating locally grown foods will:

- Reduce the need for transportant (fossil) fuels;
- Reduce carbon emissions; and
- It will support our local community!

This Earth Day let us help you start your own beautiful garden with the seeds grown right here at Western!

Project SAVE Energy! Fourth Grade Energy Expo

Goal:

To learn about the Science of Energy—Sources and Forms of Energy and then to host an Energy Expo for fourth grade students at Western Coventry Elementary School.

Activities and Tasks:

- We set up stations that involved learning about elastic potential energy to motion energy, the different forms and sources of energy, chemical potential energy to thermal energy, radiant energy to electrical energy, radiant energy to thermal energy, chemical potential energy to electrical energy, motion to electrical energy, electrical energy to motion, and chemical potential energy to radiant energy.
- We organized nine stations that showed many forms of energy and energy transformations.
- We learned about energy transformations, developed presentations and investigations to help fourth graders learn about types of energy and how they are transformed.

Student Leadership:

- Working together as a team to achieve this learning goal was essential. Team leaders were established and then we delegated roles contingent upon the activity.
- In teams of one or two, we facilitated an energy station and presented to fourth grade friends.
- We learned all the science of energy in advance so that we were able to teach our younger friends.
- The Green Team facilitated the learning throughout the Energy Expo. We taught three fourth grade classes reaching 66 students over the course of one day.

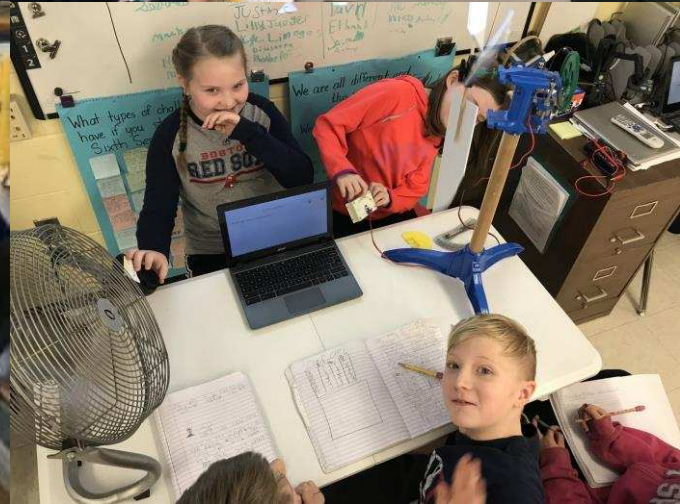
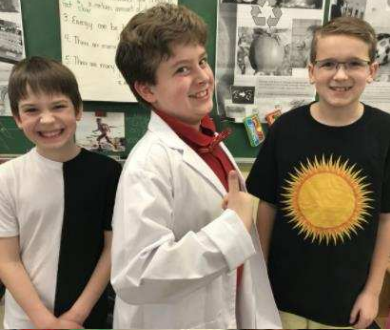
Resources:

The NEED Science of Energy Kit
NEED Energy Expo
NEED Science of Energy
NEED Elementary Energy Infobook

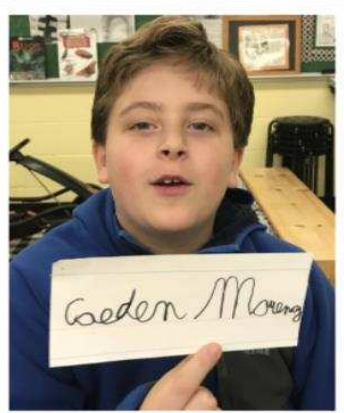
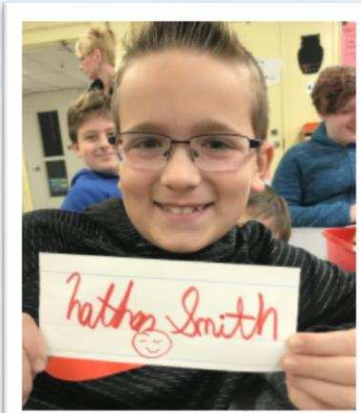
Evaluation:

- Achievement of this goal was evident in science notebooks and Google Slides that we developed to teach others.
- Our Google Slides were evaluated using a rubric.
- Achievement of this goal, was evidenced in our own very successful Energy Expo and by the work captured in the fourth grade student's science notebooks.
- Energy phenomena captured the students curiosity!

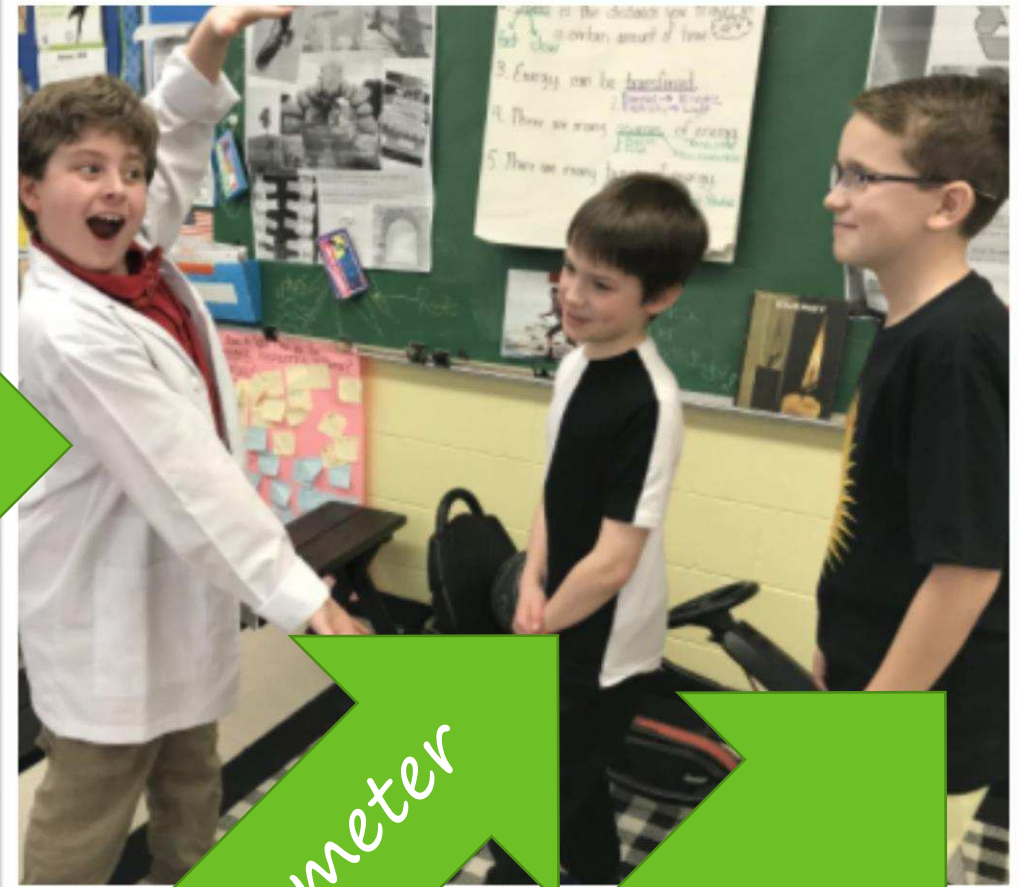
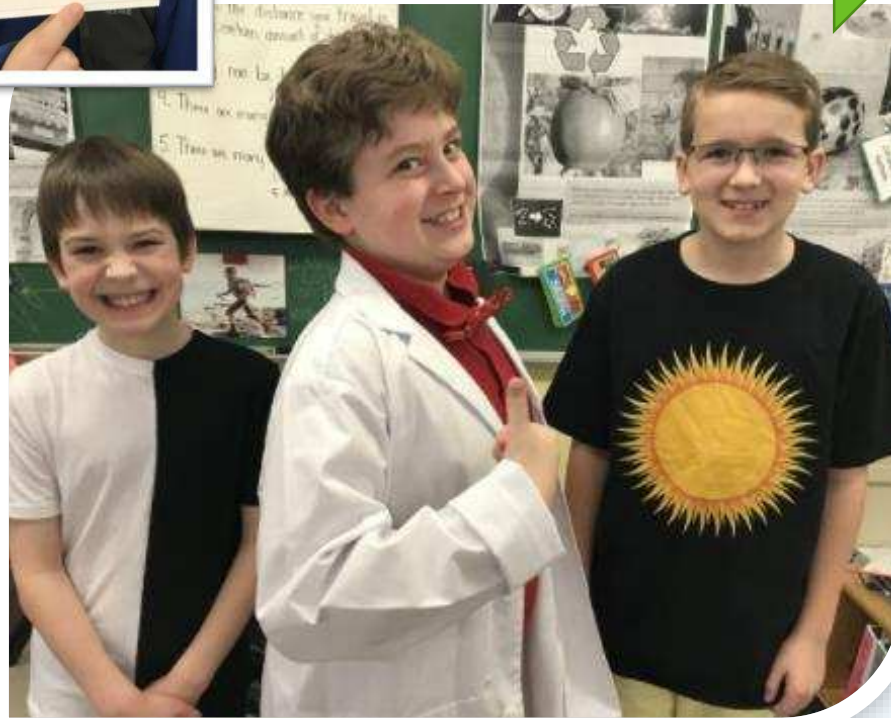




Most Dramatic Radiometer Demonstration



Bill Nye The Science Guy



Radiometer

Sun

"Here comes the sun (doo doo doo doo)
Here comes the sun, and I say
It's all right..."

Hours Contributed by Western's Green Team

Task	Number of Hours	Number of People Participating	Total Number of Hours	Total Number of People Reached
Team Meetings Before School and at Recess	40	30	120	30
Planting/Caring and Harvesting Gardens	10	30	300	30
Recycle Around the Holidays Video/Posters	5	15	75	380+
Presenting/Selling National Grid Energy Savings Products	5	25	125	100+
Energy Expo	10	30	300	100
SAVE IT Film/Show	10	30	300	400+
Green Team Tin Forest	9	25	225	310
Earth Day Recycled Fairy Houses	1	80	80	80
Seed Program	5	30	150	380+
Green Team Publications	5	5	25	380+
Saver's Recycle Drives	8	20	160	150
		Total:	1,860	2,340+