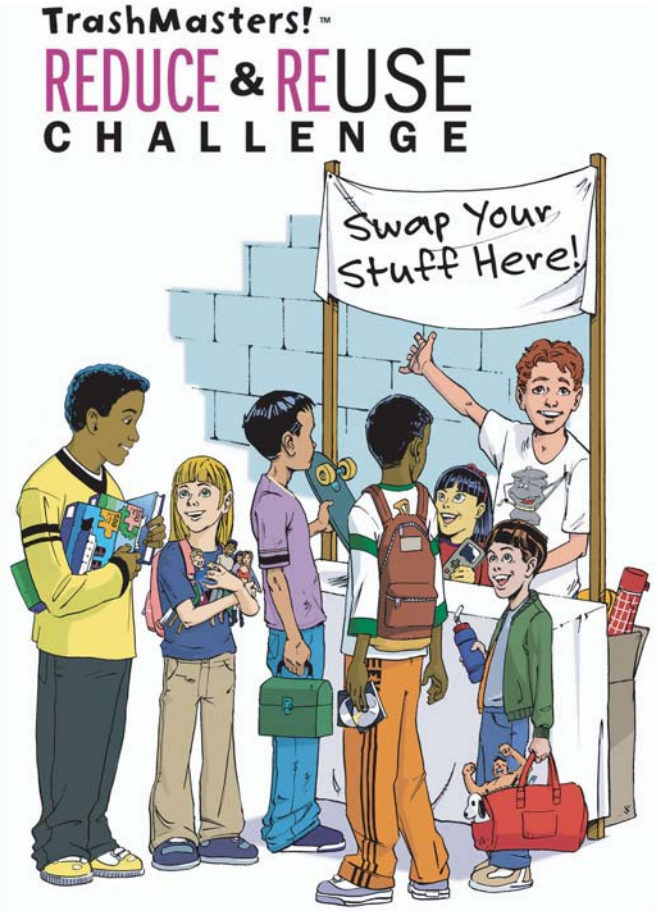


Intermediate Division
Manhattan Borough
& Citywide Winner

Grace Church School

NEW YORK CITY DEPARTMENT OF SANITATION

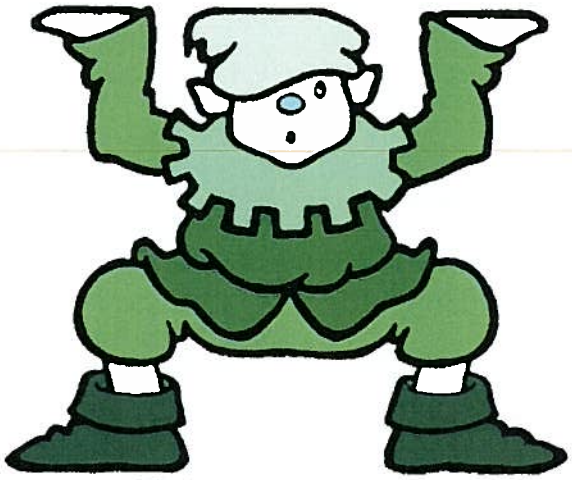
2010 GOLDEN APPLE AWARDS

This certificate is awarded with the sincere appreciation and esteem of a grateful Department and City in recognition of your school's efforts to help make New York City shine.

City of New York, Michael R. Bloomberg, Mayor
Department of Sanitation, John J. Doherty, Commissioner
Bureau of Waste Prevention, Reuse and Recycling, Robert Lange, Director

John J. Doherty, Commissioner
June, 2010

Golden Apple Awards 2010



GREEN GREMLINS TACKLE E-WASTE

GRACE CHURCH SCHOOL
86 Fourth Avenue
New York, NY 10003

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Why I like The Green Team

I have been on the green team since September 200
And it has been the most exiting part of my year. we have done so many exiting projects and have had great meetings. This year we made alot of progress in and out of school.
at the green schools Alliance we worked on a movie and had the greatest time.
Ms. Chaloner is the perfect person to be incharg of the green team. She's organized every thing to make our year perfect.

- Francesca Toy

OUR TEAM THIS SCHOOL YEAR

Sustainability Coordinator;
Kim Chaloner

Science Teachers;
Kim Chaloner, Schuyler Semlear

Parent Leaders of the Sustainability Task Force;
Helen Chang
Alex Scott
Shannon Cave
Kim Chaloner

Student Participants;

Grade 5:
Gemma Guttenberg
Bennett Slibeck
Sasha Herman
Peta Bainlardi
Olivia Drubner
Nell Hurley
Tiki Wojick
Mary Kantor
August Weinbren
Francesca Toy
Cameron Lawrence
Odette Steinert
Clare Platt
Jihae Simpkins
Geneveive McCarthy
Catherine Toms

Grade 6:
Aleah Marcelle

Grade 7:
Kirsten Rodek
Johanna Zwirner
Grace Amerling
Lucy Averitt-Lange
Samantha Salmon

Grade 8:
Nicholas Munves

Additional Faculty and Student Participation Included the Technology Committee
Lead by Ali Akbar Herndon, Ilta Adler, John Plenge, and York Chan

Green Team/Technology Committee Project Students

Grade 7: Pushan Hinduja, Julian Pacia, Ali Dawes, Annabel Simotas, Cora Browner, Natalie Ullman

Grade 8: Georgiana Bonodono, Charlotte Pickard, Charlotte Pierce, Sheila O'Niell, Hunter Herman, Yuria Kalich

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Summary of Work in 2009-2010

This year the Green Gremlins and the Sustainability Task Force focused on how we use, re-use, and recycle electronic resources. We have worked closely with the Technology Committee on ways our school can be on the cutting edge of Green Technology and e-Waste management. Last year, the Gremlins were inspired to get into Green Tech after learning about how electronic devices made with energy savings in mind can help reduce our Carbon Footprint.

Through web research and environmental organizations for kids such as "Do Something.org," our team learned that e-Waste is a surprisingly misunderstood issue. A small percentage of businesses and schools address e-Waste, so we were excited to take it on this year. E-Waste is discarded, outdated, or broken electrical or electronic equipment. The processing of electronic waste in the US, often done in unsafe conditions or in prisons, and waste shipped to developing countries, causes serious health and pollution problems. We began collecting what we learned about e-Waste, and reporting our findings and all our Green Gremlin activities on a blog in November of 2009, www.greengremlins.wordpress.com.

To teach us more about the importance of e-Waste issues, and share the ways in which we can be a part of the Green Tech solution, Carey Pulverman of the Lower East Side Ecology center came to GCS to talk about how New York City handles the problem. We learned that E-waste represents 2% of America's trash in landfills, but it equals 70% of overall toxic waste. We learned about how the aluminum, plastic, lead, mercury, PCBs, gold, cadmium, beryllium and brominated flame retardants are handled, or not. Surprisingly, it's energy efficient to rebuild old computers, but only about 2% of PCs ever find their way to a second user. Did you know that fewer than 20% of cell phones are recycled each year, but if we recycled just a million cell phones, it would reduce greenhouse gas emissions equal to taking 1,368 cars off the road for a year? Cathode ray tubes in older TVs and computers, the type schools and residences throw out more a more for flat-screen and HD models, typically contain about 4 lbs of lead and sometimes as much as 8 lbs!

The Green Gremlins got to work right away. GCS already worked with several responsible phone and ink jet recycling groups, such as ThinkRecycle and EcoPhones. We advertised for the TechServe and Lower East Side Ecology

Center's e-Waste collection days and made posters for their collection day barricades. We looked for even more ways to get e-Waste recycled.

Most of the Green Gremlin's activities did more than help reduce our carbon footprint and keep pollutants out of landfills; they also helped others through fundraising and community outreach. This year our recycling programs were linked to non-profit organizations that worked for the following causes; training disabled workers (VHS Tapes), Haiti disaster relief (eGame Swap), helping dogs and the ASPCA Adoption Program (CDs and DVDs), funding sustainability education and materials at GCS (phones and ink jet cartridges), getting supplies to artists who re-use materials for long-lasting art (pens, keyboards, and circuit boards). These were added to established programs we have for charitable recycling such as Keys for Kindness for MS patients and collecting old Christmas cards for re-mounting for St. Jude's Ranch for Children.

In April the Gremlins and the Technology Committee worked together to use technology to teach about technology. They presented an assembly about Green Technology (solar chargers, energy savers and recycled computers) and e-Waste recycling to the Upper School. The Green Gremlins made a short iMovie to share with the Early Childhood and Lower School classrooms. We set-up an online fundraising market for Green Tech and e-Waste solutions called www.GremlinsGreenMarket.com. You can still purchase your green items there, and all funds will go to helping the AV and Computer Department at GCS pay for greener technology and e-Waste management, such as smart strip and rechargeable batteries. We worked on creating educational posters for the whole school for Earth Day, and the team got to go to an Earth Day themed Mets game on April 28th!

Next school year, our Gremlins will continue to focus on the themes we've covered in previous years; paper and forest resources, water use, our carbon footprint, and e-Waste. We will focus on a new area as well. Candidates for juicy topics include food and sustainability, transportation, and green design. Do you an opinion about what theme would work best for GCS or comments to share about this year's work? Be a part of the conversation and please add your comments to our blog!

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Our students address environmental concerns, and the sustainability of the natural resources we use, in many forums. Listed below are the coordinated efforts we engage in;

- The Green Team or Green Gremlins: This volunteer group of upper schools students meets for 1 hr and 20 minutes every week on Wednesdays. Usually composted of 11-15 children in grades 5-8, this team spends time learning about our issue of the year, planning ways to educate the community about issue, and devising ways to deeping our understanding of how to reduce waste. Students maintain our recycling center, and this year, developed a blog that they regularly update with important reduction and recycling information.

- Community Service: Several 5th Grade students (2-4) worked with Ms. Chaloner for 40 minutes a week on Green Team activities. The students did much of the sorting and packing of materials that were going to be reused or recycled.

- Science Classes: Through out our science curriculum, students address our Sustainability Theme of the year. Classes in 1st, 3rd, and 4th grade work with Mr. Schuyler Semlear. Students in grades 2, 5, and 7 work with the sustainability coordinator/science teacher Kim Chaloner. We constantly look for ways to incorporate re-used materials in our projects. For example, second graders focus on natural resources, and this year spent time examining how aluminum is used, recycled, mined, etc. Regularly, lower school classes get involved in environmental education programs where they fit into our curriculum.

- Student Council: Student Council members work on raising money and awareness about many issues through out the school. They often coordinate with the Green Gremlins to get messages out to the student body.

- Technology Committee: This year our Technology Committee joined the Green Gremlins and focused on how our community uses computers and energy. They meet on the last Friday of every month. Students examined eWaste export, green technologies, and the controversies about computer life-cycle issues.

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GCS Environmental Mission Statement

We recognize the importance of protecting our natural environment and its resources to ensure a healthy and environmentally sustainable future for our children. We believe in building a strong foundation for this responsibility through the academic program and daily life of Grace Church School. Promoting environmental stewardship is a natural extension of our school's commitment to ethical consciousness and social responsibility.

We understand that our local actions have global impact. With this in mind, we will strive to make decisions affecting our children's school life and programs with a sensitive and thoughtful consideration of their environmental impact.

We aim to create a sustainable school and future by working toward the following goals: to use resources responsibly; to provide a healthful and toxin-free school environment wherever possible; to integrate environmental awareness into the school curriculum where appropriate; and to encourage members of our community to meet the challenges necessary to create an environmentally sustainable world.

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MEETING NYSED SCIENCE STANDARDS AT GRACE CHURCH SCHOOL

Our independent school does not report on science standards met or review curricula based on standards. However, as we carry out classes, community service and volunteer time, we clearly address the components delineated in the standards published. Below is an anecdotal account of how we address issues the standards outline.

STANDARD 1—Analysis, Inquiry, and Design
Students will use mathematical analysis, scientific inquiry, and engineering design, as appropriate, to pose questions, seek answers, and develop solutions.

Scientific Inquiry Key Concept 1; "The central purpose of scientific inquiry is to develop explanations of natural phenomena in a continuing, creative process."

> *During our exploration of eWaste and Green Technologies, students were asked to begin by considering where and when they use computerized items. By bringing their attention to the number of items they regularly plug-in students were engaging in an inquiry that would lead them to consider the cradle-to-grave life cycle of computer equipment and eWaste producing items. Students were asked to consider what natural resources made up the major components of a laptop after looking at its internal structure. While they were able to guess at the major components like aluminum and plastic, the surprising number of metals on a circuit board opened their eyes to the deeper impact of computer manufacturing.*

STANDARD 2—Information Systems
Students will access, generate, process, and transfer information, using appropriate technologies.

Information Systems Key Idea 1: Information technology is used to retrieve, process, and communicate information as a tool to enhance learning.

> *By creating a blog of our activities and connecting with others through this media, our kids were able to see how "spreading the word" about environmental issues can be a way to use technology for positive ends. In as many ways as possible we developed paper-free ways to communicate. We used data from other environmental organizations to examine how eWaste's impact is calculated, learning that while estimates vary, the bottom line remains the same; eWaste is a large problem receiving little attention.*

Information Systems Key Idea 1.1 Use a range of equipment and software to integrate several forms of information in order to create good-quality audio, video, graphic, and text-based presentations.

> *Our team created a blog, a 4.5 minute video, Power Point presentations, and science fair style posters, to communicate to the whole student and parent body about eWaste and recycling. Some of our posters were used at the Lower East Side Ecology Center's April eWaste Collection days.*

Information Systems Key Idea 2: "Knowledge of the impacts and limitations of information systems is essential to its effectiveness and ethical use. Understand the

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need to question the accuracy of information displayed on a computer because the results produced by a computer may be affected by incorrect data entry."

Student examined the Electronics Take-Back Coalition's stated issues through several websites. We discussed how manufacturers are responsible for toxic substances they create while making electronics. Additionally, we talked about the responsible use of electronics by individuals, going in to the pros and cons of the "instant on" appliances and the tendency of individuals to glaze over their constant electronic habits. Second graders, for example, looking into forest resources, how paper is made, how we use printers and ink cartridges, and the eco-font (SPRANQ). They placed small signs on monitors around the school that said "THINK BEFORE YOU PRINT" depicting happy trees.

Information Systems Key Idea 3: "Information technology can have positive and negative impacts on society, depending upon how it is used."

Through out the year, our students examined the difference between the advertised message about gadgets and their impact. While they acknowledge the importance of many advances in micro-technology (for medical purposes, for example) they also see that proper use and best practices are essential. Kids in all grades looked into alternatives to energy sapping practices. Many students adopted using Blackle.com instead of Google, a search engine that uses a dark background and produces less light, for example. We put up signs around the school reminding everyone to "unplug" chargers. Several students tried using solar chargers for their phones.

STANDARD 4 – The Living Environment
Students will understand and apply scientific concepts, principles, and theories pertaining to the physical setting and living environment and recognize the historical development of ideas in science.

Living Environment Key Idea 6: "An environmentally aware citizen should have an understanding of the natural world. All organisms interact with one another and are dependent upon their physical environment. Energy and matter flow from one organism to another. Matter is recycled in ecosystems. Energy enters ecosystems as sunlight, and is eventually lost from the community to the environment, mostly as heat."

Kids in all of the Green activities at Grace are encouraged to look at natural resources as well as recycling impact, in order to learn about the reasons for effective re-use and waste reduction.

Students in all of our Green Team and Science curricula were asked to examine what parts of the natural world were used in order to bring our most common electronic items to the market. They then examined ways new renewable resources are being used to create the same items. For example, the 2nd grade looked at the affects of how Bauxite is mined, and how recycled aluminum is a better source for casing electronics. They were surprised to learn how (1) many tons of rock are extracted to get aluminum and (2) aluminum is versatile and can be reused many times.

Living Environment Key Idea 7: "The number of organisms an ecosystem can support depends on the resources available and physical factors: quantity of light, air, and water; range of temperatures; soil composition. To ensure the survival of our planet,

people have a responsibility to consider the impact of their actions on the environment."

> *One of the most devastating facts about eWaste is its impact on environments outside the US. Students learned about eWaste export through resources at Greenpeace and our workshop with the Lower East Side Ecology Center. The children were truly affected by pictures of children in Asia and Africa working to dismantle toxic eWaste, as well as by photographs of rivers and landfills over flowing with toxic substances. We often discussed how this would impact the immediate area there, but would also leak into the environment and affect people in the surrounding areas. The fact that many of the items in eWaste do not biodegrade easily became a way for students to realize why "green" products are so important. Our Green Market has many items that focus on making electronics last, saving energy for electronics in use, and buying items made of reused materials.*

The Physical Environment Key Idea 4.1b: "Fossil fuels contain stored solar energy and are considered nonrenewable resources. They are a major source of energy in the United States. Solar energy, wind, moving water, and biomass are some examples of renewable energy resources."

> *At the end of the school year, we will be focusing on alternatives to current power use. The 2nd graders will be exploring solar energy, and the Green Team and Technology Committee will go from exploring the problems of eWaste and Energy use to the solutions – using, re-claimed materials, solar power, living "off the grid."*

STANDARD 6—Interconnectedness: Common Themes
Students will understand the relationships and common themes that connect mathematics, science, and technology and apply the themes to these and other areas of learning.

Interconnectedness: Key Idea 1: "Through systems thinking, people can recognize the commonalities that exist among all systems and how parts of a system interrelate and combine to perform specific functions."

> *Our students in all grades are encouraged to think about the full life-cycle of objects and living things, focusing on how the living and non-living worlds interact. In 6th grade, when our students spend a week in the Greenkill Environmental Center, they work in their new sustainability building/program. They are encouraged to measure their impact while living there by measuring food and wastes. This is just one example of how we seek to reveal the full system to children living in a society that often hides wastes and impacts from their immediate view. The needs students share with living things is explored in the science curriculum frequently. Third graders study the Hudson and the history of its human use while learning about the human communities who have inhabited it through out time. They connect to natural resources and biology via a trip on the Clearwater.*

Interconnectedness Key Idea 6: "In order to arrive at the best solution that meets criteria within constraints, it is often necessary to make trade-offs."

> *This topic proved fascinating this year. Children discussed the necessity of electronic devices and how while that necessity is sometimes real, it is often only perceived. Therefore, trade offs such as reduced use and making*

computers last longer by taking better care of them seem more palatable. Students in the Lower School, for example, took part in "TURN OFF YOUR TV" week this year during April 19th – April 25th. Student explored how their lives differed when they didn't watch TV, learning about how some trade-off for reducing energy use are surprisingly fun. Several children found they read more, or spent more time playing with their siblings.

STANDARD 7—Interdisciplinary Problem Solving
Students will apply the knowledge and thinking skills of mathematics, science, and technology to address real-life problems and make informed decisions.

Interdisciplinary Problem Solving Key Idea 1.2: "Make informed consumer decisions by seeking answers to appropriate questions about products, services, and systems; determining the cost/benefit and risk/benefit tradeoffs; and applying this knowledge to a potential purchase."

While examining Green Technologies, our kids learned about several companies that were trying to address both toxics and energy use in common electronics. We were particularly interested in Apple, as we are a school that uses Mac technologies. Members of our Technology Committee in the seventh grade presented a slide show about the pros and cons of the iPad and Cloud Computing. Students learned about how to judge game consoles based on their energy use/toxic content from the Greenpeace materials available on line.

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GREEN GREMLINS BLOG AND VIDEO

To read our weekly posts and reports on events, please read;

http://www.greengremlins.org

To see a video our children created for the school's lower school and for our Earth Day assembly, please see;

http://gallery.me.com/kimchaloner#100010

You can visit our ongoing fundraiser site where we are focusing on energy saving devices, solar technologies, rechargeable batteries, and re-used materials.

http://www.GremlinsGreenMarket.com

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ORGANIZATIONS WE HAVE WORKED WITH THIS YEAR

Lower East Side Ecology Center	Over the past several years, our school has been lucky to develop a relationship with this organization. We hold community service days several times a year, and they have presented workshops here. This year a workshop was hosted about eWaste. New to our program this year is a composting station that the Lower East Side Ecology Center will be running at our annual May Fair on 5/1
Green Schools Alliance	This year the Green Gremlins had a table at the GSA at the Green Schools Expo on April 17th. Students presented their work this year and met many leaders in the community.
Center For Ecoliteracy & Earth Day Network	Our Green Gremlins joined several on-line groups to share campaigns and information this year. We are featured on both websites.
NOAA/NASA	These agencies have provided a consistently high-level source of curricular "extras" that connect our work in all areas (recycling, water use, paper use, eWaste)
Electronics Take Back Coalition.org Greenpeace.org DoSomething.org	The Green Gremlins used these organization's education and information sites frequently.
Greenkill Environmental Education Center	Our yearly trip to this center provides a starting place for upper school students to reconsider food, waste and resources.
New York City Department of Sanitation	Thanks to the DOS, we have been able to help our school and community comply with regulations and go beyond those regulations, taking advantage of recommended resources and ideas on the DOS website.
Bright Green Markets	This year we decided to consolidate our fundraising with a continuous Green "Market." Here students, parents, grandparents and friends can shop for practical household items that will save energy and reduce wastes.

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REUSE AND REDUCE: Grade and Community Assessment

Grade Level	Event and Mulit-disciplinary Connections	Item kept out of landfill or Used longer before typical recycling
2nd	Year long study of natural resources	Paper, Aluminum and energy sources were conserved & when re-used - recycled
3rd	Study of the NY City area including the Hudson River	CD and DVD cases; students grew radish seeds in these mini-greenhouses
5th	Body Systems; Digestion 3D Diagrams Astronomy: Planet Models and Soft Landers	Cardboard, old toys, plastic bags, packing peanuts and other items used to make projects in class
6th	Greenkill	Study of Waste during week long trip
7th and 8th	Science Fair Cell Model Project Upper School Paper (the EYE) moved online	Children encouraged to use 50% PCW Display Boards and to construct their own using cardboard boxes. Students use recycled object, such as old toys, to create models of the cell and its organelles Paper
Green Team	Discs for Dogs ACT VHS recycling Best Buy Green Program (laptops, large eWaste) Goodwill Program (laptops, large eWaste) Ink Jet Cartridges to Ecophones E-Waste Collection Events Pens for the Pen Guy Best Buy Gift Card recycling Batteries Keys for Kindness New Eyes for the Needy	~200 CD and DVD cases for ASPCA - Chargers and PVC cords - Laptops, printers, DVD players, digital cameras, etc. ~ 100 VHS tapes - Circuit boards Keys from keyboards Paddles, Invitations and catalogues from the auction used for new tickets and posters Keys Eyeglasses Pens, Gift Cards
Overall Community	Paper Free Directory, Admission Catalogue and Auction Catalogue Posters for Education about Ewaste Installing Eco-font on all school computers. MLK Holiday Card Re-Use Drive and making sure students considered using it in their papers as a design element. Household Items for Freecycling Auction	Many of our school publications were moved online and we chose not to print a paper school directory this year. Last year's auction used many more invitations and paddles than needed. Our Green Team found ways to use what we could, and recycle what we couldn't. Less ink and ink-jet cartridges Cards re-used for valentines and remounted for Charity at St. Jude's Ranch Baby chairs, baby gates, train tracks, etc. Toys, Coffee Sleeves, Denim

GreenDisk
high quality recycled disks

DVDs AND CDs

THAT CAN NOT BE REUSED CAN BE RECYCLED INTO HIGH QUALITY PLASTICS BY GREEN DISK

BOTTLE CAPS

WHILE #1 & #2 BOTTLES ARE RECYCLABLE, THEIR CAPS ARE NOT – THEY ARE #5! BRING THEM TO AVEDA OR HERE TO GCS

ERIES

DISCS FOR DOGS

DiscsForDogs.org

Donate & Recycle your old CDs. Save cats and dogs.

DVDS AND CDS THAT CAN STILL BE WATCHED OR LISTENED TO, BUT MAY HAVE MINOR DAMAGE

BRING LARGE EWASTE TO UNION SQUARE 9/12

The Ecology Center and Tekserve are partnering to recycle electronic waste ("e-waste") from New York City residents. Bring your unwanted or broken electronics to the collection event in front of Tekserve to have them recycled responsibly. A list of acceptable materials can be found at the websites of all three organizations. We do not accept home appliances such as microwaves or refrigerators and cannot accept any electronics from businesses. Registration is not required for this event. We would like to thank City Council Speaker Christine Quinn and ConEdison for sponsoring this event

ACT: Alternative Community Training.

We found a way to recycle old VHS tapes that were accumulating in our classrooms and homes. We sent packages of tapes to ACT. At ACT, "More than 55 employees erase and repackage donated videocassettes and floppy disks at ACT's headquarters and production floor. However, this would not be possible without the care and support of the companies that are involved with the ACT program. By donating videotapes and floppy disks to ACT, you are not only saving money but you are also providing disabled individuals with career opportunities and helping them make their own money. ACT's videocassette and disk operations bring in about $500,000 of the agency's annual $3 million budget. It is a productive and efficient process that we are proud of. By offering this service, ACT has been able to provide competitive wages to their employees and help them live more independent lives." (http://www.actrecycling.org/donations/)

BATTERIES

All of the gadgets we enjoy require power. One of the most ubiquitous sources of that power for mobile devices are batteries. Our school discovered that the battery recycling programs available had changed hands. We moved from Staples to Wholefoods to Best Buy. Batteries were collected in our recycling center and carried to which ever location was accepting them all year long. Later in the year (April) we opened a Green Market that sells rechargeable batteries, and we hope to raise enough money there to get them for the classrooms. Many teachers use Smartboards with remote controls that could use a rechargable set.

GREEN DISK.

In September, GCS started collecting eWaste to be mailed to Green Disk for recycling. The company recycles disks, jewel cases, chargers, PVC cords, and many other items that fundraising recyclers do not deal with. The organization also sells CDs and DVDs that are packaged using recycled materials.

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ECO-PHONES (RECYCLING FUNDRAISER)

This year our green team collected phones and ink-jet cartridges for a fundraising drive. This organization took more items than our previous organization, allowing us to recycle more eWaste than in previous years.

POSTER CAMPAIGN – WHAT IS EWASTE?

Students on the Green Team created posters teaching the school community about eWaste. The posters used several items that would normally have ended up in the waste stream – dead computer "mice" and old pink neon invitations to the 2009 GCS Auction.

YES WE CAN

Students in the 2nd grade study natural resources all year. Our focus on Aluminum and other minerals was tied in with our computer recycling program as well as a renewed effort to remember to recycle cans with these "YES WE CAN" posters.

FREECYCLE TAKING OFF

After a first year of experimenting with a Freecycling board, we experienced some success. Last year roughly 7 items were exchanges, and this year the number is up slightly. Families are sharing games, kids' furniture, and much more.

GREEN NEWS

Several of our Green Gremlins Team felt inspired to make blogs and newspapers about green activities. We've added them to this notebook through out.

Each week we have an organic snack in the green team. We talk about packaging and the food children eat.

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CHRONOLOGICAL DESCRIPTION OF WORK ACCOMPLISHED

September

Our 2010 Green Team assembled in September. We began with an examination of our year's theme; eWaste and Green Technologies. The kids were introduced to the issue through several methods. First, we looked at a laptop computer that was taken apart after it stopped working. The kids were asked to guess what it was made of. Students were able to identify the obvious components (steel, aluminum, glass, plastic) but were surprised to learn about how many other metals, recyclable and/or toxic, were part of even the smallest circuit board.

We used the Greenpeace website on eWaste, as well as information from the Lower East Side Ecology Center and the Electronics Take Back Coalition. The two major issues – energy use and toxic waste – were the ones we focused on. We began investigating ways to reduce energy use, reuse computers and computer parts, and recycle computers and electronics. We began creating lists of all of the items associated with electronics and found that a massive amount of waste is created.

CHANGE TO ONLINE PUBLICATIONS

Both saving paper and using our redesigned website features, GCS changed to using a paper-free parent directory, saving the school $3000. Additionally, we cut down on printing auction catalogues by 50%, and moved Admissions brochures and applications to online.

ENERGY CURTAILMENT AND GREEN POWER

GCS works towards reducing our carbon footprint on many levels. GCS signed up for a program of renewable energy sources for our building with Good Energy. We also use a program run by the Energy Curtailment Specialists to help reduce our energy use at regular intervals. Our switch to green power and energy reduction has not only reduced the school's carbon footprint, it saved our community money. Through out the school, you will see small footprints still located on light switches and monitors and high-traffic areas as of 2008, reminding students and adults to switch off the lights when not in use. Compact Fluorescent Lights (CFLs) keep out halls bright and green.

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Update on GCS's Green Power Initiative; GCS is now are #16 in Green Power Usage for K-12 Schools! The U.S. Environmental Protection Agency's top 10 Green Power Partners increased their voluntary green power commitments by more than 1.5 billion kilowatt-hours (kWh) in 2009, while 300 new organizations joined the Green Power Partnership. Overall, the 1,200 partners are buying nearly 18 billion kWh of green power annually, equivalent to the annual carbon dioxide emissions from electricity use of more than 1.6 million average American homes.

DISCS FOR DOGS

One source we found for re-using CDs and DVDs appealed to the team a great deal. Discs for Dogs (discsfordogs.org) is an organization that collects readable CDs and DVDs and resells them for a small price. Reused disc funds are given to the local ASPCA for help with adoption and animal care. Kids created posters for the drive and told their friends and parents not to throw away unwanted discs.

ENVIRONMENTAL EDUCATION EXPO AT PIER 66

Kim Chaloner, sustainability coordinator and science teacher, attended this event, and found many great resources. "The Expo showcases the environmental education resources for New York City teachers and educators, in hopes that more children will have the opportunity to experience and learn about the natural features of our city." (http://www.nycswcd.net/environmental_ed.cfm)

GREENPEACE SLIDE SHOW

We used the Greenpeace website (http://www.greenpeace.org/usa/campaigns/toxics/hi-tech-highly-toxic) in both the Green Team meetings and our initial Technology Committee meetings

2010 BOOK SWAP

Another successful book swap was held at GCS this year, giving books and getting books make the children, and their parents, excited about a new year of reading.

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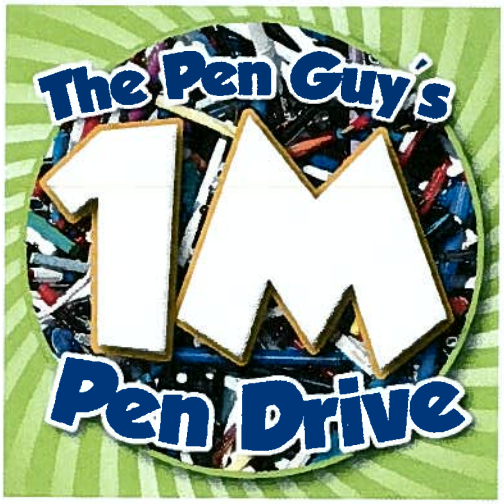


PENS AND MARKERS

PEN CASES AND MARKER CASES OF ALL TYPES USED IN RECYCLED ART PROJECTS AND ART CARS

THINKRECYCLE

PHONES & iPODS

MP3 PLAYERS AND PORTABLE DISC PLAYERS

YES WE !

RECYCLING ONE ALUMINUM CAN SAVES ENOUGH ENERGY TO RUN A TV FOR 3 HOURS!

(this does not mean you should drink more soda and watch more TV! Ha ha.)

Recycle your drink containers for a cleaner planet!

WHOLE FOODS MARKET®

YOU CAN RECYCLE THE FOLLOWING ITEMS IN THE FRONT LOBBY AT WHOLE FOODS - UNION SQUARE

USED PLASTIC BAGS
BATTERIES
Paper bags

YOU CAN RECYCLE THE FOLLOWING ITEMS AT THE CUSTOMER SERVICE DESK AT WHOLE FOODS - UNION SQUARE

#5 PLASTICS
BRITA FILTERS

GREEN POWER!

2009-2010 Sustainability Task Force & Green Team

We've had an enourmously successful year greening our school, and we are looking forward to deepening our proram. As we continue to reduce our Carbon Footprint, GCS will be exploring our power use further and developing ways to save energy and money. Explorations of SolarTechnologies and Greener Electronics and meetings devoted to greening school events and topics such as residential renewable energy and solar panels will be planned.

Looking for Volunteers!

STF Coordinator - all year, attending working meetings and occasional events.
We are looking for another person (or persons) to join our STF Coordinator team. Sadly, we are saying goodbye to Dana Polizzotto this year. Kim Chaloner (faculty and parent of a 3rd grader) and Helen Chang (parent of K ,3rd, and 6th grade kids) are looking for anyone who is interested in joining our team to help plan our program, promote green practices, help with the recycling programs, and possibly help teach our Green Team classes occasionally on Wednesdays from 2:00 – 3:20.

Event Liaisons - special night planning meetings and events
Next year, we will start off our year with a meeting for PA members – HOW TO GREEN YOUR EVENT! We will be looking for green liaisons for book fairs, swaps, the Auction, Holiday Shopping, School Parties, International Family Night, and the Mayfair to come to our one-stop-shop training event devoted to using GCS resources wisely.

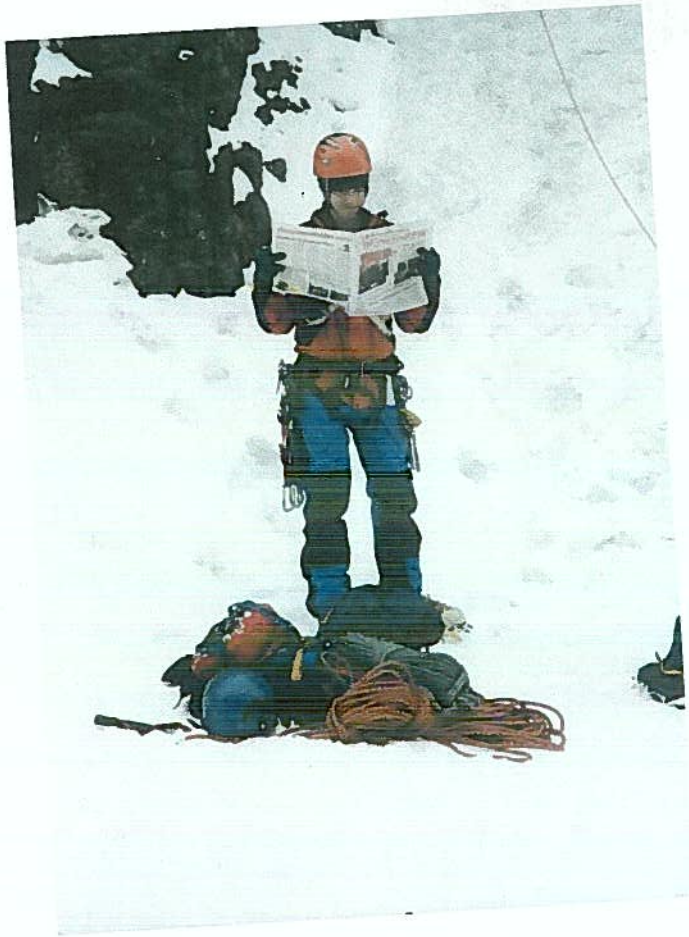
Earth Day Team & Parent Experts - Earth Day only, and/or Green Team Class only
If you are interested in being a part of our Earth Day celebration team or you have an area of interest or expertise that can help GCS reduce its Carbon Footprint, please contact us. You can be a one-time Green Team speaker if you have a short topic you want to share with kids or help us develop an exciting Earth Day program for April 2010.

If you want to learn more about being an STF Volunteer, pleaseemail kchaloner@gcschool.org HYPERLINK "mailto:kchaloner@gcschool.org"

BRING IN YOUR BOOKS…

THE BOOK SWAP IS COMING!

WEDNESDAY, OCTOBER 28TH
IN THE SOUTH HALL



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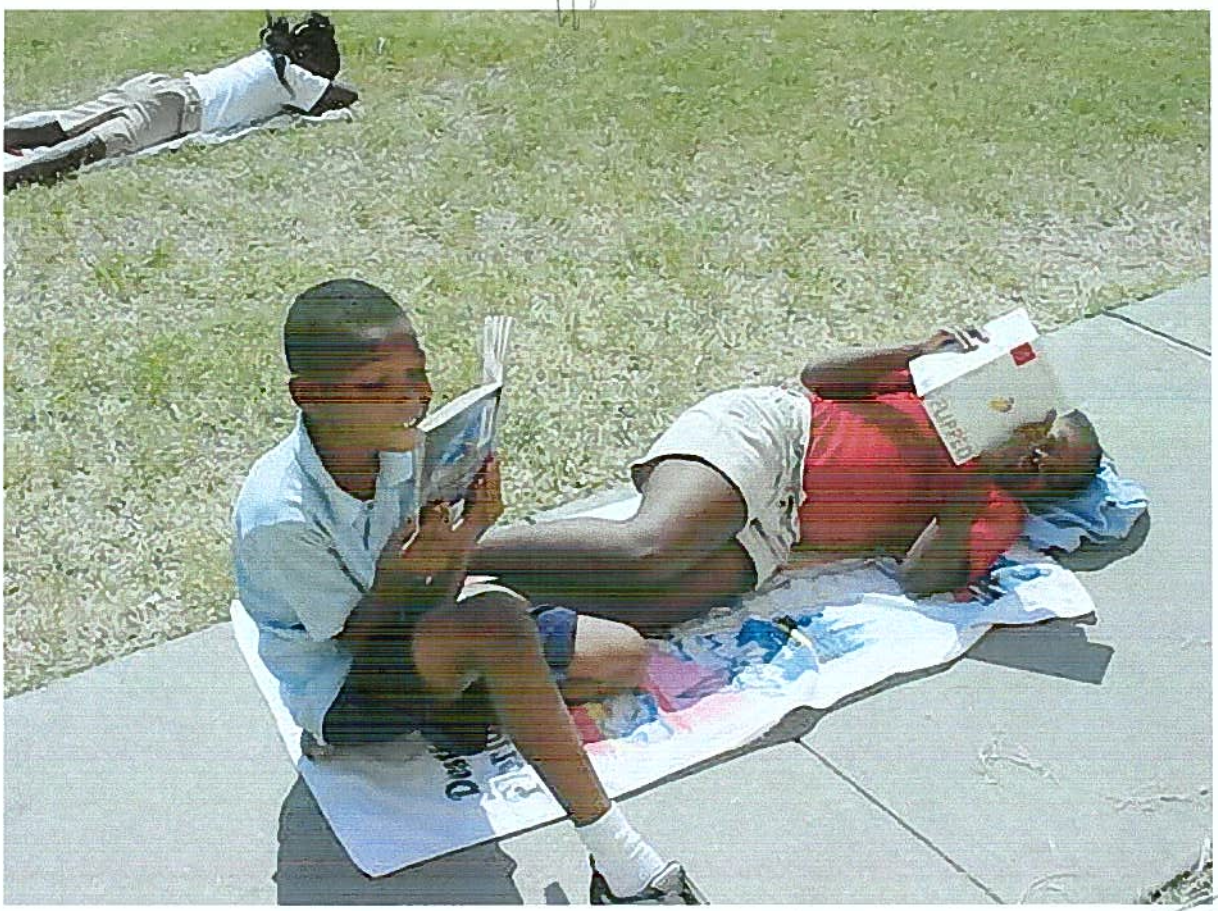


The first ever addition of…

The Green Team Times

GREAT HELP

REUSE

ECO-FRIENDLY

ECO-FRIENDLY

NICE

GREEN

RECYCLE

END GLOBAL WARMING

MEETINGS

LOCAL HELP

INTERACTIONS

NO NON-ECO-FRIENDLY PEOPLE

SO MANY THINGS TO DO...

AND SO LITTLE TIME TO DO THEM...

SO GIVE IT YOUR ALL AND HELP SAVE YOUR ENVIRONMENT

Egame swap

The gcs green team has provided 3 big boxes in the front lobby the south hall and the early childhood entrance.

Each box labeled: e game swap. The egame swap is where you bring in your old usable games to trade with other people on February 10th is the date we will be trade in the games.

THE GREEN GREMLINS WEBSITE HAS EVERYTHING YOU NEED TO KNOW ABOUT THE GREEN TEAM:
GREENGREMLINS.WORDPRESS.COM

WERE DOING THE EGAME SWAP

YOU CAN TREE CYCLE

KEYS!

In the south hall this box is sitting on the bins waiting to be filled with old keys and gift cards. The gift cards go to best buy to be recycled and the keys are donated to Keys for kindness to help people with muscular sclerosis.

HECTOR!

The "wooden" horse made by the green team is made of boxes pie tins and breakfast bags. Hector was created for international family night. Hector is a recycled art project that the green team is proud of.

EcoPhones™
The Future Of Fundraising

Start your own Recycling Fundraiser...

- click to register
- testimonials
- faq's
- shipping
- flyers
- program rules
- about EcoPhones

DOWNLOAD CURRENT PHONE PRICE LIST

DOWNLOAD CURRENT INK JET CART. PRICE LIST

CELL PHONE & INK JET Recycling Fundraisers

FUNDRAISING RESOURCES

EcoPhones School Fundraiser Link

Earn up to $50 simply by displaying the following link on your organization's website.

Step #1: Linking - Insert a link titled '**EcoPhones Cell Phone Recycling & Consumer Electronics Recycling Fundraiser**' from your website to http://www.EcoPhones.com

Step #2: Verification - Notify us (at info@ecophones.com) and specify the url of the webpage containing the link.

Step #3: Payment Amount - Payment amount is based upon Google's Page Rank scale of 0 (no page rank) thru 10 (highest possible page rank). EcoPhones pays $10 for a link on your Page Rank 1 thru Page Rank 3 webpage, $25 for a link on your Page Rank 4 webpage and $50 for a link on your Page Rank 5 or higher webpage. (See http://www.PageRank.net/Pagerank-Checker/ for your Google Page Rank) Payment Terms - We will credit your account 30 days after verification of your working link and Google page rank. NOTE: To be eligible for the $10 to $50 credit your link must be an exact copy of the text above. Alterations to, or image links lacking, the exact link text above will not be credited. In addition, the link must remain in place on your webpage for 12 months.

Ceres

Have a Full Box?
Print a free DHL shipping label online
click here

EcoPhones in the News
Cell phone recycling on the rise says ABC News
watch video

home | register | testimonial | faq | shipping | flyers | program rules | about us

Keep Texas Beautiful

BBB OnLine RELIABILITY PROGRAM

Looking for something? List your "wanted" items here, with your contact info. If you have something to give, contact the person directly.

Wanted Item	Contact
~~double Stroller~~	~~Helenchang@nyc~~ rr.com
A laptop computer, not fancy, but working! Mine broke. I'm broke.	erinmccarson@yahoo.com
~~Baby Gate (2)~~	Melanie Weston ~~chineygirl@aol.com~~
~~Dog Crate~~	~~chineygirl@aol.com~~
~~Toddler Bed~~	~~chineygirl@aol.com~~
ergo baby carrier	rachel.bachner@gmail.com
Ice Skates 7W & 2W	kchalonor@gcschool.org

$$$ and making the best

GIVERS CONTACT INFO	YOUR ITEM	TAKER'S NAME
[illegible]	Helen Chang [illegible]	Thank you [illegible] Wand (taken!)
Nancy [illegible] 917-975-5538	monitor - laptop	Bernice Tracey 1-417-575-6770
Conni Walsh 917 886 1045	Peg Perego high chair GOOD SHAPE	Taken
Libby McCabe 212 349 1224	tons of thanks train tracks	Taken
Jan Geniesse 917 566 6911 jan@geniesse.com	toddler bed, bookshelf chest of drawers (painted) upholstered glider	
Nancy Bynum nancy.bynum@verizon.net	Dell monitor (flat screen), keyboard & mouse	
Meredith Ross meredithross@earthlink.net	birch Desk - large w/ 2 drawers "HOLD Everything"	

Grace Church School

Sustainability

The Sustainability Task Force is a planning committee that organizes community-wide drives aimed at reducing our carbon footprint. Using broad themes as water use, paper and forest resources, and energy conservation, the "STF" uses the expertise and inspiration of parents, faculty and other community members to weave ecological thinking into our school's community service focus. For example, the PA organizes regular local park clean ups with the Lo East Side Ecology Center. Speakers from the Lower East Side Ecology Center have hosted workshops on urban composting. STF members work with an GCS event to help bring a greener focus into the planning stages.

Focusing on more than just recycling, reducing, and reusing materials, the GCS Green Team meets every week during our electives period. Green Team members in the upper school develop lessons and games to teach younger children the value of environmental stewardship. Kids organize an Earth Day celebration that brings our year's theme to the lobby and educates parents and students alike. Last year our students sold hundreds of CFL lightbulbs to rai awareness about energy use. Students maintain a recycling program that includes insuring citywide compliance and developing alternative programs for reus materials not collected in New York City. For example, our Green Team initiated a collection of used pens that are shipped to an artist in California who u them to decorate cars and make accessories. The team holds fundraisers to build on our current sustainability work.

Grace Church School earns the 2009 Golden Apple award.

please go to:

Discsfordogs.org

Help save a puppy at:

Discsfordogs.org

Drop off DVDs or

at the south ha

Save the puppies

Discs for dogs!

October

TECHNOLOGY COMMITTEE

On October 2nd, we presented information to the Technology Committee Meeting about and proposed we collaborate this year. The children and adults involved were very enthusiastic. We began to plan an assembly for Earth Day as well as an education campaign about eWaste issues. Studnets on both teams had experience with energy saving ideas from our previous study of Carbon Footprints in 2008-2009, so they started looking for even more "best practices" for the computer department to follow. Reconsidering how we use printers was a big part of the discussion among children, as well as how taking better care of our equipment would reduce harmful substances from entering the waste stream.

COSTUME SWAP

During our 2nd Annual Costume Swap – Re-Use Drive we were able to swap a ton of costumes for kids. Students brought in roughly 150 costumes, and after the 3 day swap, we were left with only one small bag of costumes. We had 2 parent volunteers and our Green Gremlins working all week, from Oct 5-10th, encouraging families to bring in their used costumes and save money by picking up one at our swap. Remaining costumes were delivered to the Wearable Collections booth at the greenmarket in Union Square. We were excited to see some costumes make thief second trip through the swAP process!

The article included in our notebook is from our news **ONLINE** student paper – Grace Eye.

28 Discs for Dogs Sent in October

6 Large Printers, Scanners and DVD Players brought to Best Buy in Union

PAPER & FOREST RESOURCES

The 2nd grade studied forest resources and paper again this year. We recycled paper with the students as usual, but added a set of lessons about the many other uses of tree resources. In the pictures on the right you can see one of our projects that reflects their understanding. Students created owls that had a list of their favorite tree resources with items listed such as;

Chocolate
Oxygen
Toilet Paper
Houses for Squirrels
Maple Syrup.

The second grade continued to focus on resources all year long, as you will see in later months.

Printed on 100% recycled paper in Eco-Font.

The Eye

Back

Photos by Grace Amerling
The Eye Photographer

Going Green is the New Halloween

By Lydia Paddock
The Eye Reporter

This year Ms. Chaloner, our science teacher, and the Green Team organized the Halloween Costume Swap.

I have never seen so many costumes in one minute and then, in another minute, only three were left. There were many people laughing at silly costumes and having fun.

The Green Team, a group of Upper School students who help save the environment, was very helpful to little kids, and they helped them choose what they wanted.

I interviewed a few girls from the Green Team. I asked Peta Bainlardi, a fifth grader, why the costume swap was a good idea. She replied, "So you don't have to waste money, and so you can save the earth."

I asked, what is your favorite costume and why. She said, "I like this dog costume because it is really cute."

Ms. Chaloner says that doing the costume swap keeps costumes out of the garbage, cuts down on the fabric waste, and helps the community get closer. She very much likes the Viking hat that was in the costume swap, and she wore it with a sparkly blue wig.

This Year's Swappable Costumes

Orange tiger
Black cat
Dalmatian
Firefighter with a big red hat
Ariel the mermaid
Cinderella
Belle from *Beauty and the Beast*
Bumble bee with a hair band with round foam balls

Green Team

Meeting in Session

Green Team

Go Green!

Why recycle textiles?

5.7% of NYC's residential waste stream consists of textiles like clothing and towels**. All told, residents discard 193,000 tons of textiles every year in NYC, at a cost to taxpayers and our environment. Since 2007, we have diverted hundreds of thousands of pounds from the landfill.

What can be dropped off?

Our collections accept clean clothing, shoes, bedding, linens, hats, handbags, belts and other textiles.

What happens to my donations?

Donations are sorted into different grades including usable/non-usable, cotton blend scrap and synthetics. They are then redistributed to markets where there is a demand for wearable clothing or other materials. Recycled textile fibers have many uses ranging from stuffing for mattresses to industrial quality cloths.

Yes! Your donation is tax deductible!

Your contribution to the program benefits Council on the Environment, Inc.

Where can I get more information?

Visit us online at www.cenyc.org/clothing or contact CENYC at 212-788-7900.

**As reported by the NYC Department of Sanitation

About the Council on the Environment of New York City

The Council on the Environment of New York City (CENYC) improves New York City's quality of life through environmental programs that transform communities block by block and empower all New Yorkers to secure a clean and healthy environment for future generations.

CENYC's Greenmarket program promotes regional agriculture and ensures a continuing supply of fresh, local produce for New Yorkers. Greenmarket has organized and managed open-air farmers markets in NYC since 1976. Greenmarket supports farmers and preserves farmland for the future by providing regional small family farmers with opportunities to sell their fruits, vegetables and other farm products to New Yorkers.

CENYC's Office of Recycling Outreach & Education (OROE) works to increase participation in New York City's curbside recycling program using a grassroots, community-by-community strategy. Our borough-wide coordinators work to identify the specific challenges to recycling in a neighborhood and address those needs with targeted workshops for tenants and supers, community events centered on education and special collection programs for textiles, electronics and compost.

Make a contribution or contact us today:

51 Chambers Street, Room 228, New York, NY 10007
212-788-7900
www.cenyc.org

cenyc
council on the environment of new york city

Greenmarket Farmers Market
Healthy • Fresh • Local

Recycle Your Clothing & Textiles at Greenmarket

Greenmarket Farmers Market
Healthy • Fresh • Local

cenyc
council on the environment of new york city

WHERE TO RECYCLE CLOTHING & TEXTILES

WHAT TO BRING:

Clothing
Shoes
Coats
Hats
Linens
Bedding
Scarves
Belts
Handbags
Clean & dry items only.

No electronics or other household items please.

A program of Council on the Environment of New York City. More info at
www.cenyc.org/clothing

cenyc
council on the environment of new york city

Greenmarket Farmers Market
Healthy • Fresh • Local

Find a textile recycling collection at the following Greenmarkets:

FRIDAY

MANHATTAN, 8am-2pm
97th Street Greenmarket
W 97th & Columbus

SATURDAY

MANHATTAN, 8am-6pm
Union Square Greenmarket*
15th Street & Union Square W

BROOKLYN, 8am-4pm
Grand Army Plaza Greenmarket
NW Entrance to Prospect Park

BROOKLYN, 8am-3pm
Fort Greene Park Greenmarket NEW
Washington Park at DeKalb

BROOKLYN, 8am-2pm
McCarren Park Greenmarket NEW
Union b/t Driggs & N12th St, Greenpoint

MANHATTAN, 8am-3pm
Inwood Greenmarket NEW
Isham St b/t Seaman & Cooper

SUNDAY

MANHATTAN, 8am-4pm
Tompkins Square Greenmarket
E 7th & Avenue A

QUEENS, 8am-3pm
NEW Jackson Heights Greenmarket
34th Ave b/t 77th & 78th Sts
JUN-NOV ONLY

MONDAY

MANHATTAN, 8am-6pm
Union Square Greenmarket*
Union Square North Plaza

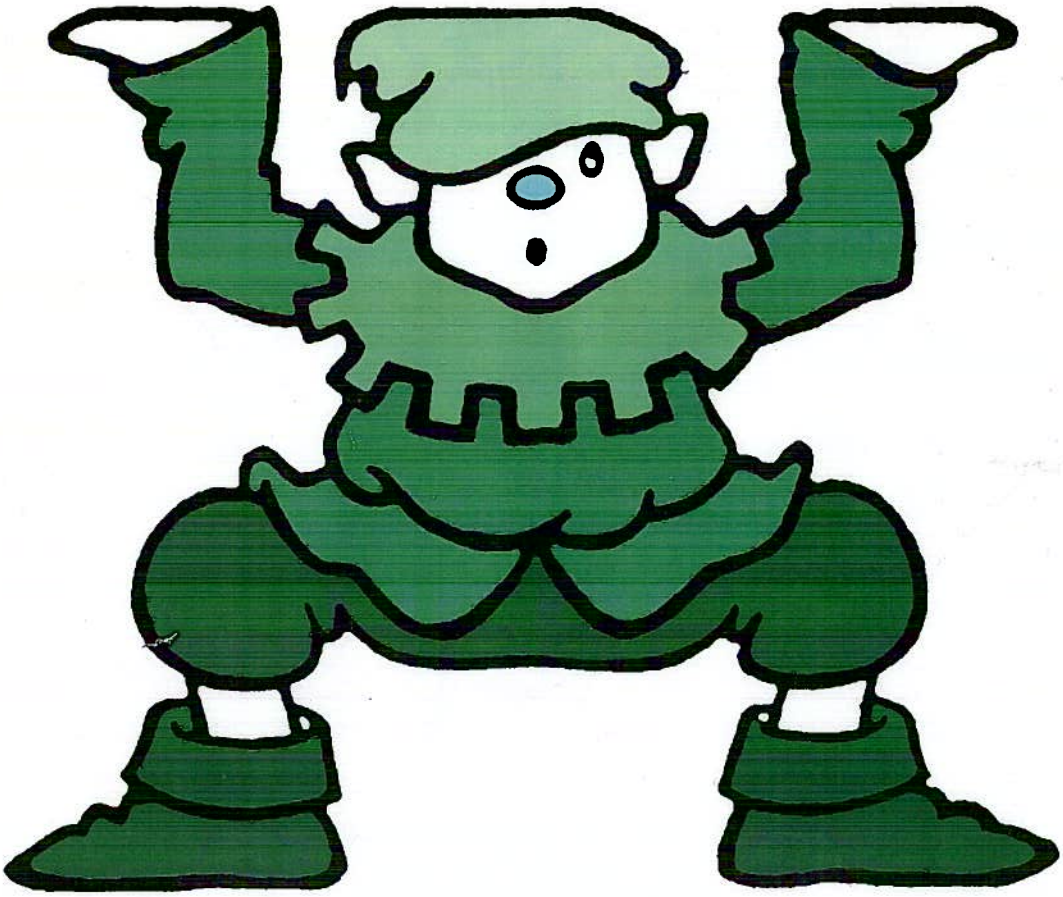
*Due to construction at Union Square our collection table may be relocated. For details visit www.cenyc.org/clothing or ask the Market Manager at the Greenmarket tent.

09/09

GREEN TECHNOLOGY
RECOGNITION AWARD

RECYCLE HERE

GRACE CHURCH SCHOOL



Green Team.
Go Gremlins! By Catherine.

Respect the Earth.
Expect change in the world's ways.
Care about how Global Warming is hurting our planet.
You can help it.
Littering and pollution is wrong.
Earth is our only home.
Embrace it.

Go Gremlins!!
Go Green!!!!!!!!!!!!!!!! ☺

November

ECO-FONT ON ALL SCHOOL COMPUTERS

During this month, all of the computers at GCS were loaded with ECO-FONT (Spranq eco-sans). This font (the font this paper is written in) has small holes in all of the text that, when printed, results in using

20%

less ink (and therefore reduced the use of ink-jet cartridges). Students who learned about the font were all eager to try it out. The font was recommended by an eighth grade student.

INTERNATIONAL FAMILY NIGHT ART PROJECT: HECTOR

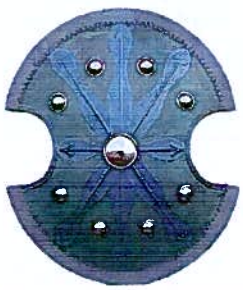
Our team was offered an exciting challenge in Oct and Nov. This year's theme for International Family Night was Greece and the Mediterranian. Parent coordinators asked if we could create a giant recycled Trojan Horse! Using completely recycled materials and the expertise of art teacher Beverly O'Mara, we created a 6.75 foot replica of the wooden being. With old used breakfast paper bags, boxes from the lunchroom, and paper Mache, we constructed the horse in pieces and assembled him in the lobby. We grew to love him, and named him Hector!

THIS IS HECTOR

THE TROJAN HORSE

HECTOR IS A GREEN TEAM RECYCLED ART PROJECT!

HECTOR IS MADE OF;
BOXES FROM LUNCH SHIPMENTS AND SCHOOL SUPPLIES
PAPER BAGS FROM MS. O'MARA'S BREAKFAST
OLD PIE TINS
PACKAGING FROM NEW MICROSCOPES



LOOK BUT DO NOT TOUCH PLEASE!!!

Printed on 100% recycled paper in Eco-Font.

BLOG LAUNCHED!

In Novemeber, the GCS Green Team, or Green Gremlins, launched our blog, now located at www.greengremlins.org. The blog chronicles our projects, reports our ideas and concerns, and tells all GCS families how to recycle and re-use materials at the school. Designing and putting together the blog was easy, and the kids began to add content right away.

Several pages of the website are printed here. If you visit the site, you will see that there are comments from students, and some outside organizations.

We have been able to more easily inform community members about how to reduce waste, how our community values sustainability, and about how we plan to make even more of our institution "green" We have been able to communicate quickly and with out the enormous number of flyer and notices that many schools rely on to get messages home. We have connected with other schools and organizations through the blog, and hope to see a lot more collaboration in the future. We are currently (as of April 2010) looking for "Green Team" pen-pals to work with in the next school year. Through connections with teachers, we have possibilities in California, Massachusetts, India and China. We hope that the blog's power to spread the word about sustainability and schools grows.

Shipment to EcoPhones; 6 phones, 1 blackberry, 2 beepers, 84 ink and toner cartridges

Best Buy – DVD Player, 2 Printers, 1 scanner

Pictured: Mr. York Chan brining Monitors to Best Buy on 4th Avenue

Printed on 100% recycled paper in Eco-Font.

GREENING YOUR EVENT

On November 5th, we held a PA meeting featuring our Building Supervisor Pete Hogden and Sustainability Coordinator Kim Chaloner. PA Event Chairs attended to find out how and why to reduce waste at events. A critical part of reducing waste is getting buy-in from party planners and event chairs. We saw that more sustainable thinking was a part of the planning process.

A copy of the Event Guide is printed out here. We saw that school parties and parent nights continued to use our store of IKEA cups and plates for events, rather than disposable items. Classroom parents use more of their old decorations for holidays that are now also being stored in the bins.

LOWER SCHOOL LESSONS FROM THE GREEN TEAM

The Green Team kids began devising sketches to present to the lower school and early childhood in November. Some of their drafts are attached here. These drafts eventually became our eWaste iMovie (link earlier in our notebook)

Printed on 100% recycled paper in Eco-Font.

IDEAS

5R

1. Stages of eWaste.

2. 1 girl tries to tell her friends to recycle their electronics instead of throwing them away.

The Plots

1. A person keeps on wasting eWaste, + 2 other girls recycle it for her.

2. A girl 1 goes over to her girl 2's house + she keeps on breaking electronics, and the girl 1 tries to tell her to recycle ewaste. Then girl 3 comes over and she's broken her ipod + phone. Girl 1 tells her friends that there are ways to recycle eWaste instead of throwing it away.

After

1. Person ~~throw~~ using cell phone then it breaks, then person throws it away.
2. Garbage People/person realize cell Phones can be recycled and puts it aside
3. Recycle person comes along and puts it in the bin for ewaste. Then says: "There! Now a whole new computer can be made.

BECORE

Zoe
1. Person throws cell phone away
2. Garbage person doesn't recycle it
person
3. Adds to a landfill.

SUSTAINABILITY TASK FORCE
& GREEN TEAM PRESENT

GREENING YOUR EVENT AT GCS

DROP OFF IN THE DINING ROOM
NOVEMBER 5th – 8:20 AM

FEATURING PETE HOGDEN!

Consider....

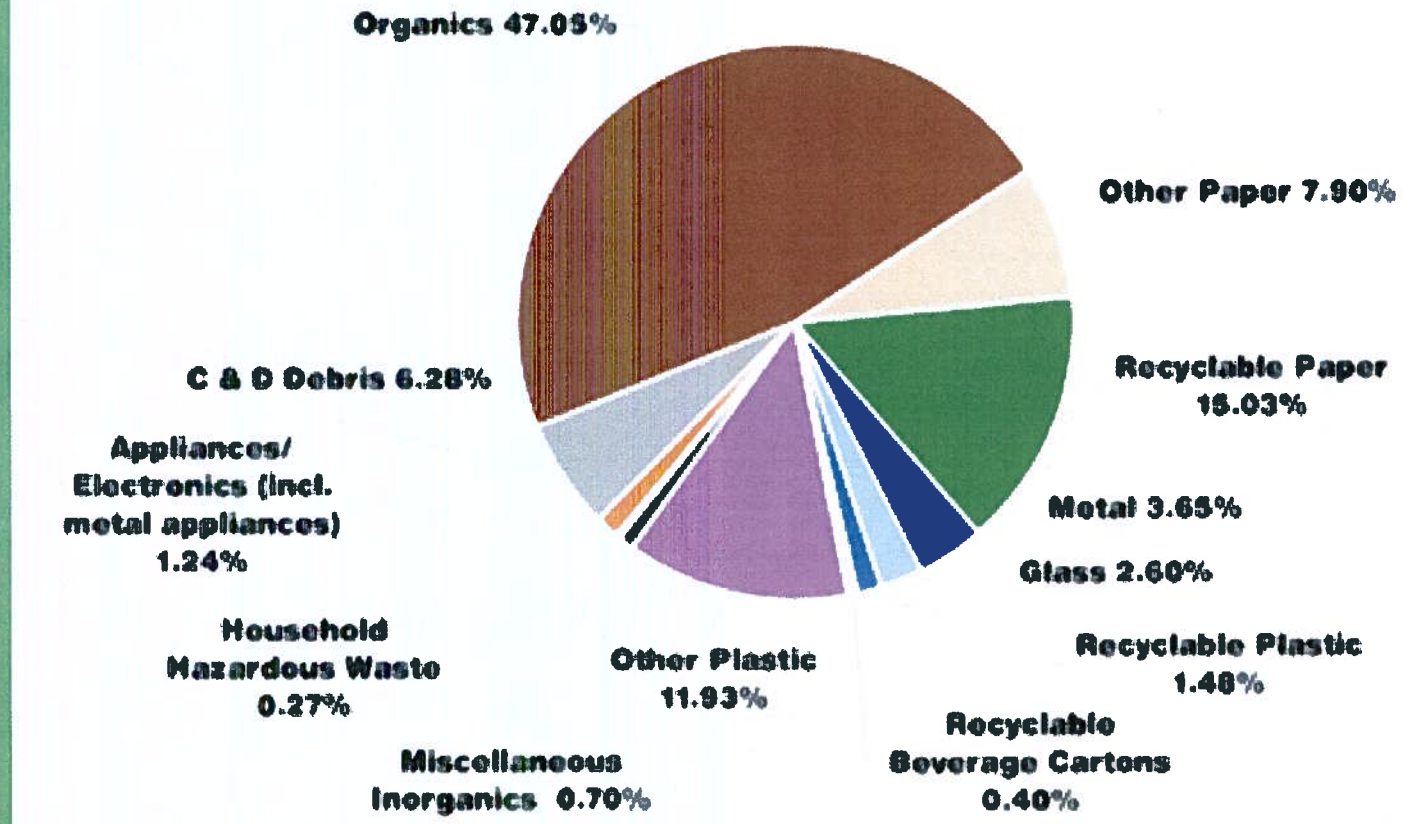
Consider the individual plastic water bottles that are ubiquitous at parties and events. A cup of H2O from a Fiji water bottle has a footprint that is over 80 times that of a cup of NYC tap. Consider the energy used to make the plastic container, pump the water from the aquifer, transport all this heavy H2O from Fiji (or Voss, Norway or Poland Springs, ME) PLUS the environmental impact of all these bottles spinning endlessly in the world's oceans (we only recycle about 20% of our plastic bottles), washing up on shore of the most far away pristine beaches and killing birds and fish that mistakenly ingest them as too

You can easily see the "no brainer" aspect of using our Ikea cups and providing pitchers of local NYC tap water at our events.

PRE-EVENT PLANNING

- Don't Print what you can email or put on the website
- Consider the "Cradle to Grave" or "Cradle to Cradle" model before you purchase items
- Look into new sources for give-aways that use recycled and recyclable sources. Consider eliminating give-aways that could be replaced by a thoughtful experience.
- Assign a member of the team to work on recycling. Anticipate what will be needed and discuss with maintenance staff.

NYC Waste Characterization Study
2004/05 Refuse Composition
Annualized Results



GREEN COMMUNITIES

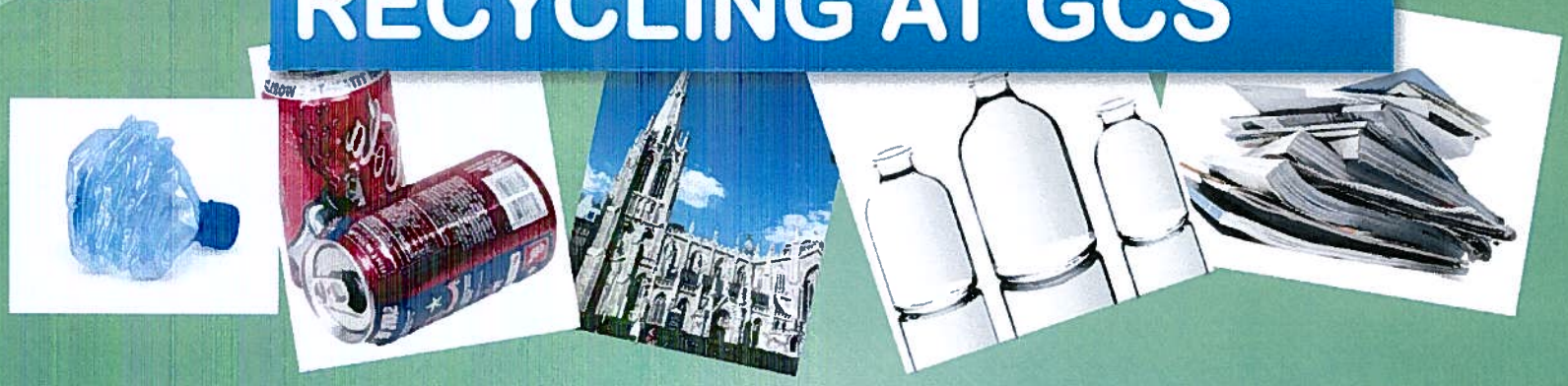
Sustainability fosters a sense of community, inclusion and care.

COMMUNICATE

MAKE CONTACT WITH EACH GROUP INVOLVED ABOUT YOUR INTENSION TO BE SUSTAINABLE

- Kitchen & Maintenance Staff
- Faculty
- Administration
- Students
- SIGNS and MONITORING - - New Options

RECYCLING AT GCS



Presented by Pete Hogden

- NYC Mandated Materials – paper, aluminum cans, narrow necked #1 & #2 Bottles, metals, glass

- Bottle Caps – Drop off in South Hall

- It is important to only recycle what the city will accept – garbage bags largely out of compliance will not be recycled.

VENDORS

VENDORS

http://www.nyc.gov/html/nycwasteless/html/recycling/recyclers_vendors.shtml

http://www.preserveproducts.com/products/tableware.html

http://www.greenpartygoods.com/

http://www.treehugger.com/giftguide/

venders to phase out

Americans toss out about 25 billion polystyrene cups per year, and plastic and paper trash makes up 11 percent and 35 percent respectively of municipal solid waste in the US. Do your part to limit waste at your party:

RECYCLING – OFF SITE

- City Harvest
- Good Will Re-Connect Program
- Whole Foods - #5 Plastic, Plastic Bags, and more
- Green Market Materials Recycling Program
- Lower East Side Ecology Center Compost Program

USE CHILDREN'S RECYCLED ARTWORK

SWAPS & SHARING RESOURCES

QUICK FACTS @ IMPACT

- Only about 1/10 of all solid garbage in the United States gets recycled.
- Americans toss out enough paper & plastic cups, forks and spoons every year to circle the equator 300 times
- Almost 1/3 of the waste generated the U.S. is packaging.
- Americans throw away 2.5 million plastic bottles every hour.
- Forty-three thousand tons of food is thrown out in the United States each day.
- Each American exerts three times as much pressure on the natural environment as the global average.
- New York City alone throws out enough garbage each day to fill the Empire State Building.

Clean Air Council