

DISTRICT ALL

060144

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda

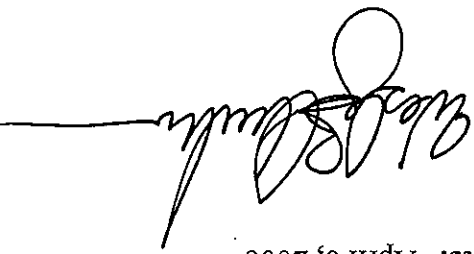
Resolution or Ordinance (Blue) _____
Waiver of First Requested
Recommendations of Boards, Commissions & Committees (Green) _____
Other Business (Pink) _____

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: William T. Lichter, Village Manager

DATE: March 29, 2006 (COW) (B of T) Date: April 6, 2006

TITLE: Educational Recycling Grants

SUBMITTED BY: Wesley B. Anderson, Director of Public Works


BACKGROUND/POLICY IMPLICATIONS:

See attached memo.

FISCAL IMPACT/FUNDING SOURCE:

Community Recycling Fund 2790.777500 \$7,032.30

Review (as necessary):

Village Attorney X _____
Date _____
Finance Director X _____
Date _____
Village Manager X _____
Date _____

NOTE:

All materials must be submitted to and approved by the Village
Manager's Office by 12:00 noon, Wednesday, prior to the Agenda
Distribution.

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NOTE:

Review (as necessary):	Village Attorney X	_____	Date
	Finance Director X	<i>[Signature]</i>	Date
	Village Manager	<i>[Signature]</i>	Date 03/29/06

Community Recycling Fund 2790.777500 \$7,032.30

FISCAL IMPACT/FUNDING SOURCE:

See attached memo.

BACKGROUND/POLICY IMPLICATIONS:

[Signature]

SUBMITTED BY: Wesley B. Anderson, Director of Public Works

TITLE: Educational Recycling Grants

DATE: March 29, 2006 (COW) (B of T) Date: April 6, 2006

FROM: William T. Lichter, Village Manager

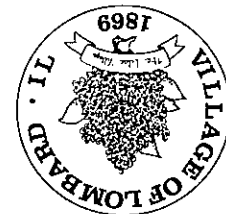
TO: PRESIDENT AND BOARD OF TRUSTEES

Resolution or Ordinance (Blue)	_____	_____
Waiver of First Requested	_____	_____
Recommendations of Boards, Commissions & Committees (Green)	_____	X
Other Business (Pink)	_____	_____

**VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION**
For Inclusion on Board Agenda

DISTRICT ATT

060144



Wesley B. Anderson

To: William Lichter, Village Manager

From: Wesley B. Anderson, Director of Public Works

Date: March 29, 2006

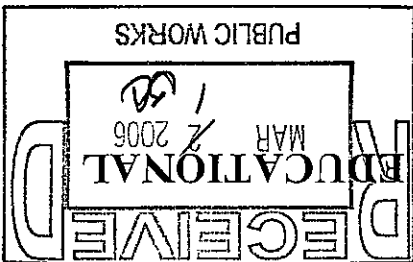
Subject: Educational Recycling Grants

At the March 28, 2006, Environmental Concerns Committee meeting, the Committee recommended approval of the following Educational Recycling Grants:

Willowbrook High School	\$1,592.45
Montini Catholic High School	\$2,500.00
Delphi Academy	\$ 579.85
Manor Hill School	\$2,360.00
Total	\$7,032.30

The Committee did not recommend the full grant requests for Delphi Academy and Manor Hill School due to various reasons.

Please place this item on the May 5, 2005 agenda for consideration by the Board of Trustees.



060144

Application Form (Last revised 1-31-05)

Village of Lombard, Illinois

SOLID WASTE RECYCLING GRANT PROGRAM

Part 1 - GENERAL INFORMATION

Today's date: 3/1/06

Name of School: Delphi Academy of Chicago (evening) 630-779-3836
241 E. Roosevelt Rd., Lombard
 Address: 78
 Number of students at school 78 Estimated number of students living in corporate limits of Village of Lombard _____
 Name/Title of Person Submitting Application: Michael Freystand

Part 2 - EFFECTIVENESS OF CURRENT PROGRAM (recycling, environment, conservation)

a. Have you earned an "Earth Flag"? Yes No If yes, list years _____
 b. Do you have an environmental club? Yes No If yes, how many are in the club and how long has the club been in existence? _____
 c. How many students participate in recycling/environmental/conservation efforts? 78
 d. How many students are being taught about recycling/environmental/conservation? 78
 e. How many students will the grant funds help to educate? 78
 f. How is the recycling/environmental/conservation program emphasized in your classes throughout the school?
 g. In your typed report, explain your current recycling/environmental/conservation program and past accomplishments. How long have you had a recycling/environmental/conservation program? What does the school do for the environment besides recycling? How has the school program helped people in the Village of Lombard?

Attach typed explanation.

Part 3 - FINANCIAL COMMITMENT AND PROJECT DESCRIPTION

a. Has the school received grant money from the Village of Lombard? Yes No
 b. Amount of grant request? 2,100.00
 c. Provide detailed description in report of items requested and costs. If the grant involves commodity purchases, provide three quotes including companies and prices. If recycled products are being purchased, list what percentage of products is made from recycled products.

Attach typed explanation.

Solid Waste Recycling Grant

Part 2 - F.

All classrooms at Delphi Academy (formerly Chicago and Academy) recycle paper, water bottles and cans. The school, once again, participated in Lombard's Recycling Extravaganza where many computers, monitors, printers and other items were dropped off. We participate throughout the year in the Cartridges For Kids recycle program. In this program we have the kids collect old cell phones (where we gathered over 30 phones) and ink cartridges and send them in to be recycled. We continue to use SCARCE as a source for many items, we put to use gallons of old crayons, old letterhead paper & envelopes, baby wipe tubs and lots of books! Additionally, we collect many recyclable materials from our parents such as, plastic water bottles, coffee cans, corks and creamer containers. Our teachers tour SCARCE and their "recycled projects for teachers" room during the year and obtain many great recyclable project ideas that can be seen throughout our school.

Part 2 - G.

We teach many units throughout the year where the primary focus being how our students and their families affect the environment. This past November we had our 3rd through 8th grades walk Sunset Knoll Park District grounds where they cleaned-up the trash. They are planning another clean-up effort in May. In addition, we had Fullersburg Woods visit our Preschool - 2nd grades, where the concept of how trash affects the local environment was the main topic. We also do a yearly visit to Morton Arboretum. The kids also participated in a Scholastic program where they collected 200 water bottles to recycle. The project being that 100 recycled water bottles are turned into enough synthetic material to make 1 sweater, this program will be in place again this spring. Parents and children alike learned and will continue to learn about recycling through our science curriculum. This year we added 10 new science courses that directly impact recycling, courses such as Wonder Science - Recycling and Wonder Science - Plastics, just to name a few. This year we will again be planting trees and flowers at *both* school locations. The students, through student services have teamed up with Faith United Methodist Church to help clean their grounds once a month, help plant flowers and grass and add a small fence to protect two of the trees that are on their property. We continue to use the picnic tables and garbage cans purchased the previous year and the student materials we were able to purchase from the last grant have advanced the next generation's environmental awareness. We will continue our mission to actively educate the next generation on this issue.

Part 3 - C.

Our goal this year is to continue to educate our students and parents on the recycling/ environment and conservation issues, teaching them that they can be a causative force on the matter. Additionally, we will become more active in the community through our student services and partnerships with local businesses. On the reverse side of this application please find a list of items being requested for grant funding.

Items requested by Delphi Academy

Educational Kits

Delta Education 1-800-442-5444

*Note: The kits listed below are exclusive kits put together by Delta that meet our needs. Comparison quotes could not be found since these kits are unique to Delta.

1. Delta science module (pollution) complete kit, model #556-738-6032. \$367.00
2. Eyewitness Earth Science Library, Gr 2-6, 556-024-9921. \$159.90
3. Power of Science Ecology Kit, model #555-162-4280. \$ 52.95
4. Essential concepts in Science, book set, Gr 3-5, model #556-110-5840. \$539.85

Environment Incubators

Delta Education 1-800-442-5444

*Note: Three quotes provided below for this like item.

- Large Incubator, model #556-080-2587. \$88.25
- Egg Turner, model #556-090-1163. \$39.95
- Chicken Feeder, model #556-060-3790. \$10.95

McMurray Hatchery

Incubator Kit with turner & feeder, model #2NCB. \$292.15

Brinsea

Octagon 10 Incubator Kit without turner & feeder. \$159.00

School Field Trip Transportation

Laidlaw Bus Co.

*Note: Three quotes provided below.

- To Morton Arboretum. \$206.00
- To Fullersburg. \$206.00
- MidAmerican Charter (2 school busses). \$306.19 ea.
- 5 Star Charter. \$425.00

Total Grant Request: \$2122.00

MANOR HILL SCHOOL
Kathleen A. Fitzgerald, Principal

1464 South Main Street
Lombard, Illinois 60148-4554
Telephone: 630.827.4300
FAX: 630.889.7964



060144

www.district44.dupage.k12.il.us
e-mail: kitzgerald@district44.dupage.k12.il.us

Mr. Wes Anderson
Director of Public Works
Village of Lombard
255 E. Wilson Avenue
Lombard, IL 60148-3926

February 27, 2006

Dear Mr. Anderson,

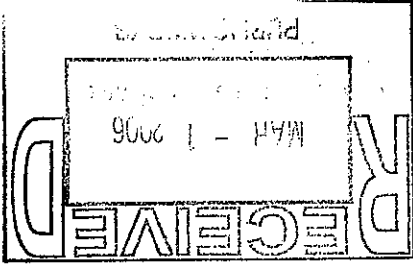
I am attaching a copy of our most recent grant request for the Educational Recycling Grant of March 1, 2006. I want to thank you in advance for your efforts and continuous support of the work we do at Manor Hill towards environmental work. The grant from the Village has already made a difference in our school, and we appreciate your work in making this happen.

Again, I really appreciate your help in these efforts to keep recycling and environmental issues important in our schools and the community. Please express our gratitude to the entire committee for their support.

Sincerely,

Kathleen Fitzgerald

Cc: William Mueller, Village President; Mr. John Burg, Assistant Director of Public Works; Dr. James Blanche, Superintendent of Schools, District 44, Pam Schau, Assistant Superintendent for Finance, 44; Gayle Bartell, Manor Hill, Suzanne Achenbach, PTA President; Jay Wojcik, Director of Communications, 44.



Our Mission: Working in partnership with students, families, and community members, to educate the "whole child" in order to achieve personal excellence.

SOLID WASTE RECYCLING GRANT PROGRAM- EDUCATIONAL

Village of Lombard, Illinois

Application Form

Part I-GENERAL INFORMATION

Today's date: 02/27/06

Name of School: Manor Hill School Grant Contact Phone: (day) (630) 827-4309 (evening): (630) 827-4309.

Address: 1464 South Main Street, Lombard, Illinois 60148

Number of students at school: 320. Estimated number of students living in corporate limits of Village of Lombard 320

Name/Title of Person Submitting Application:

Kathleen Fitzgerald, Principal, Manor Hill School

Part 2 - EFFECTIVENESS OF CURRENT PROGRAM (recycling, environment, conservation)

- a. Have you earned an "Earth Flag"? Yes No If yes, list years: 1988, 2002, 2003, 2004, 2005!
- b. Do you have a recycling club? Yes No

Students currently are responsible for the recycling collection three times per week within the school. We recycle more of the lunch products including milk cartons, and lunch trays. We have special removal for recycle as part of the Waste Management service. We would like to continue in this process.

c. How many students participate in recycling/environmental/conservation efforts?

Over 90 children are in the Manor Hill Jr. Garden Club, which addresses recycling and conservation in its monthly activities. All of the 58 fifth grade students also work on various paper/cardboard collections the year. This proposal will include all of the 320 Manor Hill students from our district and the surrounding CASB districts in our special needs classes.

d. How many students are being taught about recycling/environment/conservation? Recycling is in each of the K-5 curriculum areas, so theoretically all of the children are taught this in the annual curriculum.

e. How many students will the grant funds help to educate? 320 each year plus all of the students from local private schools who do use the playground.

Part 3 - FINANCIAL COMMITMENT

f. How is the recycling/environmental/conservation program emphasized in your classes throughout the school?

Through the science program and the specific recycle program in the classes. Additionally, we have an Environmental Club and Gardening Club with a direct focus on the composting, worm units, etc. The Jr. Gardening club is the club focused on environmental, conservation and recycling issues. It is seven years old. Parent volunteers and teacher representatives run the club. The students work during lunch hours and after school to beautify the school grounds. The courtyard that was created by the Manor Hill LRC addition over the past few years is fully developed, the recycle grants have helped to provide the perfect environment for the additional use of the compost materials as well as the site. The club has always had first through fifth graders and includes about 100 children for science. We address it through the curriculum, and this has been realigned through our new science curriculum. Manor Hill also has the advantage of housing the Lombard Discovery Center, so we have additional opportunities to work within the special science/tech labs on special building projects when it is available.

g. In your typed report, explain your current recycling/environmental/conservation program and past accomplishments. How long have you had a recycling/environmental/conservation program? What does the school do for the environment besides recycling? How has the school program helped people in the Village of Lombard?

The current program can be described above, with our emphasis on awareness, investigation, action, and development for the school environment. The students have a rich curriculum emphasizing renewal, reuse, and recycling as evidenced by our outstanding scores in our Illinois State Achievement Tests in Science (over 90% of students meeting or exceeding these difficult standards in the past 4 years since we adopted our new science program). The efforts of the students and volunteers, (staff and parents), through the clubs and projects is clear in the evidence of our courtyard and campus where the beautification is mainly due to their planning and work. The work with the DuPage Scare staff in education and training is continuous, and many of our staff work closely with them in teaching and planning continuous education opportunities for students and teachers. We now recycle more than just paper and cardboard, but also the lunch waste and the computer lab refuse and equipment. The composting has been provided through the grant, and that continues to feed our beautiful garden. Parents and students are continually seeking donations for our grounds, and take great pride in the community effort that has provided the playground and the outdoor classroom. The students are very aware of the need to consider recycled materials in all of our plans, and they are well aware of the emphasis that has been placed on this in every project. This serves all of the future citizens of Lombard.

a. Has the school received any grant money from the Village of Lombard in the past? Yes No

If so, please state dates, amount awarded, and for what purposes.

In 2000 the Village awarded us \$1500.00 for recycled benches and tables for the Courtyard that was created by the school addition. 2001 grant allowed us to begin the plans for the "enclosed" outdoor classroom, and to provide the space which will house the compost and to be one of the areas to benefit from the composted materials. It serves as a working laboratory for demonstration of recycling. In 2002 we received \$2000.00 for the additional recycled plastic tables and benches for this project. In 2005, the grant allowed us to plant 5 fully grown trees in the playground area that were donated by the Yorktown renovation project. These trees serve to shade the playground and provide renewal of the green space on the campus. The Village also helped to pay for the two additional recycled benches to help increase seating around the playground area.

b. Amount of Grant Request?
 We are requesting a total of \$3110.00 to match our local efforts to provide for the additional two of each of the products through other funding sources. Of course, we would appreciate ANY consideration from the Village Recycling Board for the items in the order below.

c. Provide detailed description in report of items requested and costs, and percentage of products is made from recycled products.


The playground area does draw many children and adults throughout the week and weekend. The current waste receptacles and seating area are not adequate for the needs of the use, as evidenced by the Monday morning pick up, and parental feedback from the weekends and holidays. We would like to request that the Village help us in this effort by providing half of the needed equipment in recycled materials. The request is for two of our four needed waste receptacles and two of the four picnic tables (one of the two to be wheelchair accessible for the ADA needs of our Assisted Instructional Students in the school). We would additionally ask for two recycled plastic bicycle racks to replace our racks that are over thirty years old and not only unsightly, but rusting. The company that has been providing us with our recycled materials at the lowest negotiated price is Barco, and I have provided our request based on their costs and shipping.

The cost for the 38 gallon receptacles that are HDPE recycled plastic and has an 8" opening on the top would be \$278.00 each plus shipping.
 The cost for the ADA Hexagon Table would be \$688.00 each plus shipping.
 The cost for the recycled plastic bicycle rack (for 10 bikes each) is \$445.00 each plus shipping.
 Our experience is that the shipping has in general been about 10% of the cost, although there is no tax involved.

Remove			
BR100	Bike Rack - Recycled Plastic Color: Gray	4 Weeks	\$445.00 ea
38SQST	Earth-Tone Panel Receptacle 38 Gallon Top-load lid Color: Gray / Ashtone	8 to 10 Weeks	\$278.00 ea
OHTHA	Hexagonal Picnic Table - Wheelchair Accessible Color: Gray/Black	4 Weeks	\$688.00 ea
Subtotal			\$2,822.00
		Approximate shipping estimate	288.00

TOTAL: \$3110.00

Thank you so much for all of your continued help to our beautiful school!



Respectfully submitted,
 Kathleen Fitzgerald, Principal, Manor Hill School

02/27/06

Corporate and Foundation Giving

Barbara L. Pauley

Sincerely,

Thank you in advance for your consideration of this proposal as well as the support Monti Catholic has had throughout the years from the Village of Lombard. Please contact me at 630.627.6930 ext. 41 if additional information is needed.

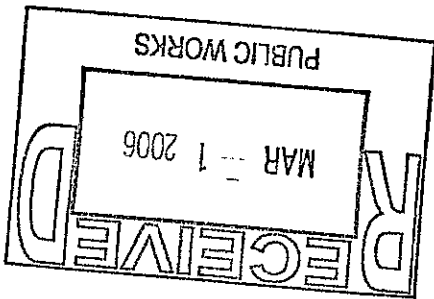
higher education. also stresses service to community and to fellow students. 98% of our students go on to backgrounds and participate in a curriculum that provides a well-rounded education that The 680 students attending our school come from diverse academic and social providing a Lasallian Education to residence of Lombard and surrounding communities. operated by the De La Salle Christian Brothers. This year we celebrate our 40th year of Monti Catholic High School is a college preparatory co-ed school that is owned and

total amount for the kits requested is \$2,718.08. the Environmental Science Program. The amount of our request is \$2,500.00, and the demonstration kits that would be an addition to the experiments currently conducted in requesting your consideration for the purchase of various environmental science kits and the Solid Waste Recycling Grant Application. Monti Catholic is respectfully Enclosed with this cover letter is an application from Monti Catholic High School for

Dear Mr. Burg,

Mr. John Burg
Assistant Director of Public Works
Village of Lombard
255 E. Wilson Avenue
Lombard, IL 60148

February 27, 2006



A Lasallian Tradition Since 1966



MONTINI CATHOLIC HIGH SCHOOL

19 W 070 16th Street—Lombard, Illinois 60148-4797 Telephone: Main Office 630.627.6930—Fax: 630.627.0537—info@montini.org

060144

SOLID WASTE RECYCLING GRANT PROGRAM- EDUCATIONAL
 Village of Lombard, Illinois

Application Form (Last revised 1-31-05)

Part 1 - GENERAL INFORMATION

Today's date: 2/27/2006

Name of School: Montini Catholic High School Grant Contact Phone: (day) 630-627-6930 (evening) 630.495.4585

Address: 19W070 16th Street, Lombard, IL 60148

Number of students at school 680 Estimated number of students living in corporate limits of Village of Lombard 153

Name/Title of Person Submitting Application: Barbara Pauley, Corporate and Foundation Giving

Part 2 - EFFECTIVENESS OF CURRENT PROGRAM (recycling, environment, conservation)

a. Have you earned an "Earth Flag"? Yes No If yes, list years 1993, 2000, 2005

b. Do you have an environmental club? Yes No If yes, how many are in the club and how long has the club been in existence? 60 attendees. All students involved in recycling. Est. 1990.

c. How many students participate in recycling/environmental/conservation efforts? 680

d. How many students are being taught about recycling/environment/conservation? 680

e. How many students will the grant funds help to educate? Thirty percent

f. How is the recycling/environmental/conservation program emphasized in your classes throughout the school?

g. In your typed report, explain your current recycling/environmental/conservation program and past accomplishments. How long have you had a recycling/environmental/conservation program? What does the school do for the environment besides recycling? How has the school program helped people in the Village of Lombard?

Attach typed explanation.

Part 3 - FINANCIAL COMMITMENT AND PROJECT DESCRIPTION

a. Has the school received grant money from the Village of Lombard? Yes No

b. Amount of grant request? \$2,500.00

c. Provide detailed description in report of items requested and costs. If the grant involves commodity purchases, provide three quotes including companies and prices. If recycled products are being purchased, list what percentage of products is made from recycled products.

Attach typed explanation.

SOLID WASTE RECYCLING GRANT PROGRAM

Part 2 – EFFECTIVENESS OF CURRENT PROGRAM (recycling, environment, conservation)

f. How is recycling/environmental/conservation program emphasized in your classes throughout the school?

The environmental and conservation program emphasizes begins at the freshmen level. Most freshmen are enrolled in the Environmental Science class. This course is the introduction of science at Montini Catholic High School. The course is an overview of all the sciences emphasizing the interrelationship of organisms to environment. The honors students at the freshmen level and sophomores are enrolled in Biology. This course examines environmental issues first at the cellular level. The web of life starts with plants and animals at this stage. The production of oxygen through ocean plankton and the beginning of the food chain are examined in the first semester. In Chemistry, lessons on acid rain, water and air pollution are a part of the curriculum. Energy production is included in both the Chemistry and Physics courses, with Physics emphasizing energy alternatives. Earth Science examines the production of soil, as well as Weather changes on the global scale. The unit on Oceanography includes the effect of oceans on weather and shorelines. All areas of pollution are covered and is required for graduation. Further several of the classes have internet projects that incorporate ideas of improvements in environmental areas. In all classrooms, recycle bins and Teacher support aids the Environmental Club who bi-weekly collects the bins.

g. Explain your current recycling/environmental/conservation program and past accomplishments. How long have you had a recycling/environmental/conservation program? What does the school do for the environment besides recycling? How has the school program helped the Village of Lombard?

Currently the Environmental Club has members in all four levels of students. Members of the Environmental Club are responsible for collecting recycling bins from every classroom, and work to beautify the school grounds. Their landscaping work is in the center of the school's courtyard and is passed by the students each day entering and leaving the school. Yearly, members of the student body join others in the Lombard area, to work at the Lombard Recycling Extravaganza, have been involved in the Nike Shoe Collection for recycling, ink cartridge recycling and as well yearly there is a recycling competition among the grade levels to recycle pop tabs that are donated to the Ronald McDonald House. At the end of the school year, students collect used books and workbooks. The used books are sent to the missions or are sent to a recycling plant. Workbook pages that were used are removed and these too are recycled. More than a ton of would be land fill is recycled. The real impact though comes from the message sent to all students, faculty and their families and that is the importance of reducing our wastes and reusing materials, instead of just throwing it away. Since the school uses the same recycle bins that the Village of Lombard uses, you reinforce the message. Each week residents of Lombard put out their recycle bins and the idea of recycling isn't just "the school's thing" but is the Right Thing. While the school has recycled since the 1980's, the Environmental Club was organized in 1990.

This grant requests purchases centered in one area.

Environmental Science Kits and Demonstration Models

The science kits that have been chosen are based on studying the very properties of the environment around us. These kits allow students to examine such factors as soil pH, acidity, water quality, etc. Using these kits and demonstration models within the environmental science classes will help the students to make connections with their environment using real data.

The students at Montini are very fortunate that they are taking a class in environmental science because they are learning about our environmental issues that their own parents or any average person may not have been aware of. Recycling is a mandatory part of the curriculum in all of our Environmental Science Classes. It was not that long ago when people would throw trash out of their car windows, or dump antifreeze oil in a toilet or storm drain. Industrial companies would put toxic waste into the ground. Many of these people may have simply been ignorant of how much of an impact every person has on our environment. It would not be surprising to learn that many people believe that what they do as an individual can do no harm.

The best way to educate people is to expose energetic, active learners to real evidence and data concerning the environmental issues that relate to their everyday lives, and more importantly, their future. The students would have an enormous benefit from using environmental kits for field studies. Among the three sources, the kits chosen will provide direct hands on approach to what is discussed in the classroom. The kits and demonstrations selected would be an addition to the experiments we presently conduct in our classes.

Our goal and yours is to provide students with a well rounded education, and to better prepare the future leaders of our world. Montini's Environmental Club is committed to this goal.

Next page lists vendors and pricing of similar kits from each vendor. The selected items are in bold.

VENDORS

WARDS

CAROLINA

FISHER

ACID RAIN STUDY			
23V5327	AJS85000		FR65-3075
6 KITS @ \$50.00	6 KITS @ \$72.50		6 KITS @ \$50.00 - \$300.00
TABLETOP KIT COMPOSTING			
87V0004	AJS14-1560		AJS85120
6 KITS @ \$89.00	6 KITS @ \$92.50		6 KITS @ \$83.00 - \$498.00
GREEN HOUSE EFFECT			
36V0725	74-5577		AJS90399
6 KITS @ \$33.33 - \$199.98	6 KITS @ \$81.95		1 @ 329.95
FIELD SOIL TEST KIT			
20V5240	19-1049		AJS85039
6 KITS @ \$138.00	6 KITS @ \$104.00		6 KITS @ \$45.00 - \$270.00
POROSITY OF SOILS			
80V0251	FR-GEO778		AJS 85039
6 KITS @ \$129.00	6 KITS @ \$98.00		6 KITS @ \$49.95 - \$299.70

VENDORS

WARDS

CAROLINA

FISHER

<i>GROUNDWATER CONTAMINATION</i>			
36V0780	FR19-1110	AJS32003	
6 KITS @ \$89.95	1 KITS @ \$545.00	6 KITS @ \$79.95	
<i>GREEN WATER MONITORING KIT</i>			
21V0097	FR65-2567	AJS65401	
6 KITS @ \$30.95 - \$185.70	6 KITS @ \$32.50	6 KITS @ \$36.65	
<i>OIL DEGRADING KIT</i>			
85V3503	FR18-1322	AJS23196	
6 KITS @ \$96.50	6 KITS @ \$69.95 - \$419.70	6 KITS @ \$79.95	
TOTAL IN BOLD PRINT \$2718.08			

Ward's Natural Science
 (800) 962-2660
 P.O. Box 92912
 Rochester, NY 14692
<http://www.wardsci.com>

Carolina Biological Supply Company
 800.334-5551
 2700 York Road
 Burlington, NC 27215-3398
<http://www.carolina.com/>

Fisher Science Education
 (800) 955-1177
 4500 Turnberry
 Hanover Park, IL 60133
<https://www1.fishersci.com>

Solid Waste Recycling Grant Program-Educational

Part 1 - General Information

2/28/06

Name of School: Willowbrook High School

Grant contact phone (day): 630-530-3966

Grant contact phone (night): 630-629-1583

Address: 1250 S. Ardmore Ave. Villa Park II 60181

Number of students at school: 2202

Estimated number living in corporate limits of Village of Lombard: 681

Name of person submitting the application: Justine Bryers

Part 2- Effectiveness of current program

- a. Have you Earned an "Earth Flag" - Yes in 1990 and again in 2005
b. Do you have an environmental club? Yes, about 25 students are in the club that started in 1988.
- c. How many students participate in recycling/environmental/conservation efforts? 2200 students, we recycle paper in every classroom, so every student is involved in recycling. The special education students collect the recycling bins weekly as part of their curriculum.
- d. How many students are being taught about recycling/environment/conservation efforts? 536 freshmen. Every freshman taking biology learns about ecology and environmental issues for the first quarter of the year. 70 students are currently enrolled in environmental science. A yearlong science elective in which environmental topics are more deeply investigated.
- e. How many students will the grant fund help to educate? There are currently 70 students enrolled in environmental science. The items asked for in the grant can be used year after year affecting more

students as time goes by. The items can also be used by other science classes during ecology units potentially the whole freshman class.

f. How is the recycling/environmental/conservation program emphasized in your classes throughout the school? Every classroom recycles paper products and students are encouraged not to waste paper and other materials. Resource conservation is discussed in social students classes as well as science courses. A display cabinet that the environmental club keeps up educated students on recycling and conservation.

g. Explain program and past accomplishment.

Currently Willowbrook recycles paper products and strives to reduce the amount of resources used. Teachers are encouraged to use both sides of the paper when making copies. Scrap paper is made into teacher note pads and handed out to the teachers in the beginning of the year to use instead of throwing those scraps away. Willowbrook's recycling program started 17 years ago with the birth of Students for a Better Environment, which promoted recycling and conservation throughout the school.

Besides recycling and reducing our waste- the school has sent volunteers to work at events including Lombard's Recycling Extravaganza, and Wheaton's Recycling Event. Students for a Better Environment have collected gym shoes for Nike's reuse a shoe program and have competed in the Illinois Envirothon where the Willowbrook team won first place in DuPage county at last years event. The students of Willowbrook generously donated unwanted or used crayons to be melted down and reformed into large crayons for students with special needs to use. Willowbrook's bookstore has donated gently used books to Book Rescue operations to send to needy students. The environmental club worked to stencil "Do not dump- Goes to Stream" on storm drains in Villa Park and passed out door hangers with information about illegal dumping to residents of Villa Park. Also the Cleaning of the brook that crosses the school property has been the responsibility of the students.

Students for a Better Environment continue to learn about conservation outside the class by attending workshops by the national conservation society, visiting Brookfield Zoo and learning about endangered species and animal conservation, visiting the Morton Arboretum to learn about tree conservation and having special guest speakers to discuss environmental topics.

By promoting recycling and conservation efforts in the school it is hoped that the students that live within the Village of Lombard will practice

recycling and conservation efforts at home. In participating in Lombard's Recycling Extravaganza, the students aided the people of Lombard directly by helping them to unload books, lumber or scrap metal. We hope to continue to find way to reach out to the people of Lombard and to aid in environmental causes.

Part 3 Financial commitment and project description

- a. Has the school received grant money from the Village of Lombard?
Yes Fall 2005
- b. Amount of grant requested? \$ 1592.45
- c. Description of costs:

In order to continue to utilize the incredible resource of the brook that runs through the school property, water related items are needed. We would like to take information about the brook through out the year and compare results within the year and eventually over the years. In order for the students to perform proper field collections, they will need field equipment such as waders. The waders will aid in the collection of aquatic organisms.

The students should also have an understanding of how water is treated and reused. To this end we would like a water treatment model to give the students a visual idea of what occurs.

We also hope to utilize the small grove of trees directly west of the school property. We will be utilizing forestry equipment to educate the students about the importance of trees and the trees of Illinois. We will use tree meters to measure the diameter of the trees and a tangent meter to determine the height of the tree. Using this data, we can discuss what type of forest exists and the role of succession in the environment of Illinois.

The soil is a very important part to the prairie and forest ecosystem of Illinois. We would like to have chemical test kits to determine the quality of soil in the area. A soil moisture and light meter would also contribute to the information needed to determine the type of species in an area. The data will be used to predict what types of species can survive in our local soil.

In our time there are a lot of concerns about the fuel we are using and the energy available. Students need to know that there are alternative energy sources that may become a big part of their future. Using the alternative energy video lab provides visuals as well as hands on activities to help to educate the students.

Itemized list of grant request:

<u>Item</u>	<u>Source</u>	<u>Amount</u>	<u>Cost</u>
Vinyl waders	Wards 10 W 1227	12 (11.95)	143.40
Water Treatment Model	Film APS312	1	199.95
Tree Tape	Wards 20 W 0028	5 (55.75)	278.75
Tangent Height	Wards 10 W 1238	12 (18.95)	227.40
Soil Analysis Kit	Fisher AJS17704	1	325.00
Light and Moisture meter	Fisher AJS45149	12 (19.00)	228.00
Energy Video Lab	Fisher AJS 18575	1	189.95
TOTAL			\$ 1592.45