

Register # 07.06.09

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

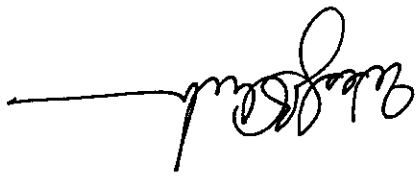
Resolution or Ordinance (Blue) _____
Recommendations of Board, Commissions & Committees (Green) _____
Other Business (Pink) _____

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: William T. Lichter, Village Manager

DATE: November 29, 2006 (BOT) Date: December 7, 2006

TITLE: Educational Recycling Grants

SUBMITTED BY: Wes Anderson, Director of Public Works


BACKGROUND/POLICY IMPLICATIONS:

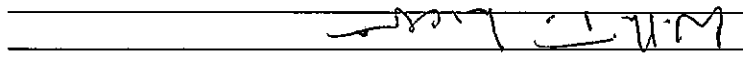
The Environmental Concerns Committee recommended approval of the following Educational Recycling Grants at the meetings on 10/28/06 and 11/26/06: an amount not to exceed \$2240.80 for Willowbrook High School, an amount not to exceed \$2395.60 for Montini Catholic High School, an amount not to exceed \$1375.00 for Park View School, and an amount not to exceed \$1500.00 for St. Pius X School. The Environmental Concerns Committee recommended the denial of the Education Recycling Grant at the 10/28/06 meeting from Delphi Academy requesting \$2000.00.

FISCAL IMPACT/FUNDING SOURCE:

Community Recycling Fund.

Review (as necessary):

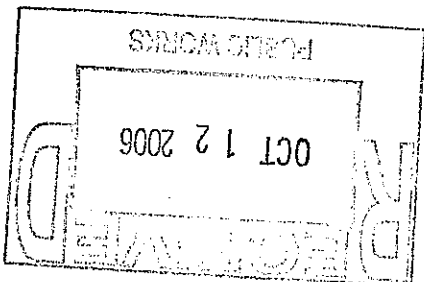
Finance Director X
Village Manager X



Date: _____

11/29/06

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.



Justine Bryers

Enclosed please find Willowbrook High School's recycling grant application for the fall 2006 cycle. Thank you for the opportunity that you give schools to improve their curriculum through environmental education. It is most appreciated.

From: Mrs. Justine Bryers
Willowbrook High School
1250 S. Ardmore Ave
Villa Park IL 60181

To: Mr. Wes Anderson
255 E. Wilson Ave
Lombard IL 60148

10/12/06

SOLID WASTE RECYCLING GRANT PROGRAM- EDUCATIONAL
 Village of Lombard, Illinois
 Application Form (Last revised 1-31-05)

Part 1 - GENERAL INFORMATION

Today's date: 10 / 11 / 06

Name of School: Willowbrook H.S. Grant Contact Phone: (day) 630-530-3966 (evening) 630-629-1583

Address: 1250 S. Ardmore Ave Villa Park IL 60181

Number of students at school 2202 Estimated number of students living in corporate limits of Village of Lombard 710

Name/Title of Person Submitting Application: Justine Byers Teacher

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

a. Have you earned an "Earth Flag"? Yes No If yes, list years 1990, 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? 95 students, started 1988

c. How many students participate in recycling/environmental/conservation efforts? 2200

d. How many students are being taught about recycling/environment/conservation? 655

e. How many students will the grant funds help to educate? 655

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? 2240.80

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-Educational

Part 1 - General Information

10/10/06

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: 710

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? 570 freshmen. Every freshman taking biology learns about ecology and environmental issues for the first quarter of the year. 60 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 60 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. The environmental science club may also use the equipment for various projects.

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 studies classes as well as science courses. A display cabinet that the environmental club keeps up educates students on recycling and conservation throughout the year.

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 18 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 for the past two years. 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. This year the club plans to participate in a green

building design challenge, which involves creating a model of a sustainable building and presenting their findings.

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
- b. Amount of grant requested? \$ 2240.80
- c. Description of costs:

In order to continue to use the brook that runs through the school property, more water related equipment and resources are needed. The brook is a valuable resource for the education of the students. The environmental science class uses the brook extensively to learn about water pollution and our role in conservation of water as a natural resource.

Another topic that the students will continue to learn about is soil. Measuring specifics nutrients and determining what life forms can use a particular soil is important for student understanding and promoting soil conservation.

Finding natural energy alternatives is a high priority for many industries. Using materials to educate the students on energy usage would help prepare them to make informed decisions about energy usage and to understand the current concern over energy usage and conservation. Discussing solid waste and recycling and the potential to use "trash" as a resource is something the students would also benefit from.

Global warming and its effect on the weather have received a lot of attention lately. The students need to formulate an understanding of meteorology before they can fully grasp the global warming effect.

Aqua Scope II (6)

A viewer scope would aid the students in observing aquatic plant and animal life at the bottom of the brook. The students can observe macro invertebrates before collecting them to aid in the understanding of the quality of their habitats.

Field Manual for Water Quality Monitoring (1)

Because the brook is such a large part of the environmental science curriculum, it would be helpful to have a teacher resource for new activities. It is important to promote the use of gathering data in the field and to foster student understanding of field techniques and methods of gathering and analyzing real life data.

Stereomicroscopes (3)

In the past the Lombard grant has generously provided 3 stereomicroscopes for class use. These microscopes are a wonderful tool for viewing macro invertebrates, lichen, plants and other organisms collected while doing field work. It has been found that the students need more microscopes to effectively view all that they collect.

Simulating the Effects of Acid Rain (1)

This kit contains tools to study how acid rain effects plant life (which we will use the greenhouse to demonstrate), animals and building materials. We will also investigate the causes of acid rain and how acid rain can be prevented.

LaMotte Combo Soil Test Kits (4)

Soil test kits contain pH, nitrogen, phosphorus and potassium tests. Students will determine the chemical make-up of the brook and formulate hypothesis as to where the chemicals came from. They will then discuss the impact on the watershed as a whole.

Meteorology field kit (1)

The kit aids students in collecting data such as rainfall, snowfall, temperature, wind speed, pressure and cloud types. From this information the students can determine what biome we live in, what effect Lake Michigan has on us and compare data to records to make informed decisions about global warming.

Illustrated Tree Finder (15)

The dichotomous key style field guides will help us better utilize the wooded property to the West of the school. It will aid in student collected data as well as help students determine why certain types of trees grow in Illinois.

Natural Energy Kit (1)

The kit included 19 hands on activities which shows the benefits of using natural energy resources such as solar, wind, geothermal and biomass fuels. As our reliance on oil will likely decrease in the future, it is important that our students are aware of alternate fuel sources.

Solid Waste and Recycling Lab Activity (1)

Exercises include exploring the carbon dioxide cycle, composting, biomass fuel and paper recycling. This will help to reinforce students understanding and instill the importance of conservation and recycling at home and in the community.

Nature Puzzlers (1)

Inquiry based problem solving activities where students must devise a hypothesis to solve a natural problem. This is great practice and will help develop the cognitive skills of the problem solvers that is required by many careers in science.

Bottle Biology (1)

This book is a wonderful resource that involved using recycled materials (such as bottles) as part of scientific experiments and demonstrations.

Itemized list:

<i>Catalog: Forestry suppliers</i>			
Aqua scope II	77124	6 @ 61.75	370.50
Lamotte Soil kit	77172	4 @ 76.00	304.00
Meteorology field kit	36848	1	172.00
Tree Finder	94711	15 @ 3.50	52.50
<i>Catalog: Fisher Scientific</i>			
Natural Energy Kit	AJS85158	1	119.95
Effects of Acid Rain	AJS32673	1	46.95
<i>Catalog: Wards Natural Science</i>			
Solid Waste/ Recycling	36 W 2047	1	139.00
<i>Catalog: Flinn Scientific</i>			
Nature Puzzlers	AP5977	1	22.30
Bottle Biology	FB1021	1	32.65
Stereomicroscopes	MSS5020	3 @ 319.00	957.00
Field Manuel Water	FB0736	1	23.95
Total:			2240.80



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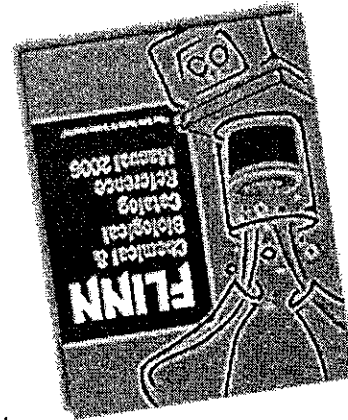
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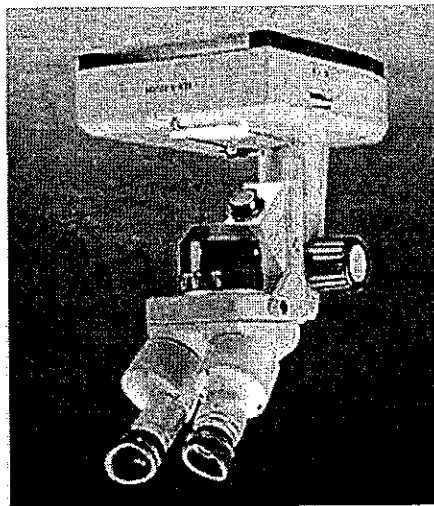
Stereomicroscope
 Model Number: T-2200
 Objectives: 1X, 3X
 Magnification: 10X-30X
 Field of View: 20mm, 6.5mm
 Wide Field Eyepiece: 10X

Offers durability, clarity, and locked p: students. Grade 6 through college. SI Missouri factory. Allow extra delivery .

SPECIFICATIONS:

- 45° inclined binocular head rotatable locked in any position
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- Working distance 82mm
- Rack and pinion focusing
- Fluorescent transmitted light below a above
- Full-size 160mm x 225mm metal base way incident or transmitted illuminatio
- Dustcover
- 10-year limited warranty

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Z18479M	Stereomicroscope	319.00		1

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- > Brock Micro-Museum™
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- > Dark Field Condenser Kit
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- > Digital Visual Presenter
- > Discovery Scope™
- > Double Scope
- > Magnifiers
- > Microprojectors
- > Microscope Illuminators
- > Microscope Kits
- > Microscopes - ken-a-vision®
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- > Comprehensive
- > Cordless
- > CoreScope
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- > Vision Viewer®
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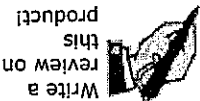


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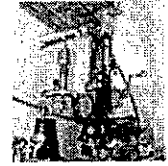
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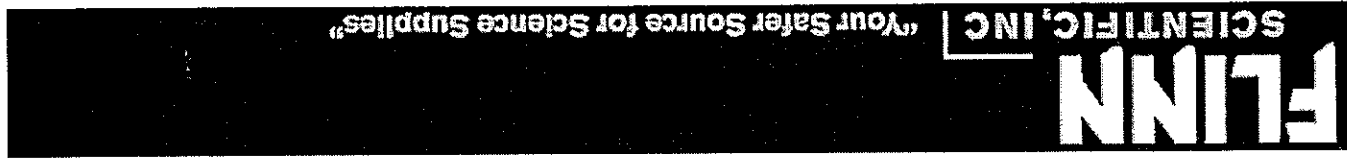
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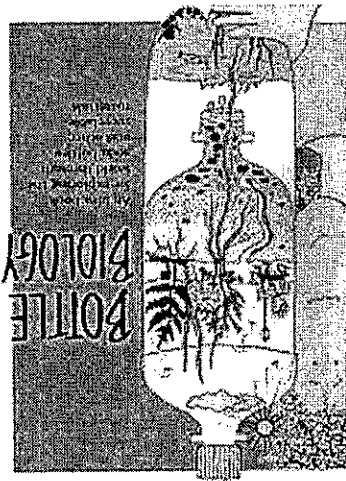
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Bottle Biology: An Idea Book for Exploring the World Through Soda Bottles and Other Recyclable Materials (Spiral-bound)

by University of Wisconsin Staff (Author), Plant (Author)

★★★★★ (1 customer review)

Availability: Available from these sellers.

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 Spiral-bound: 144 pages

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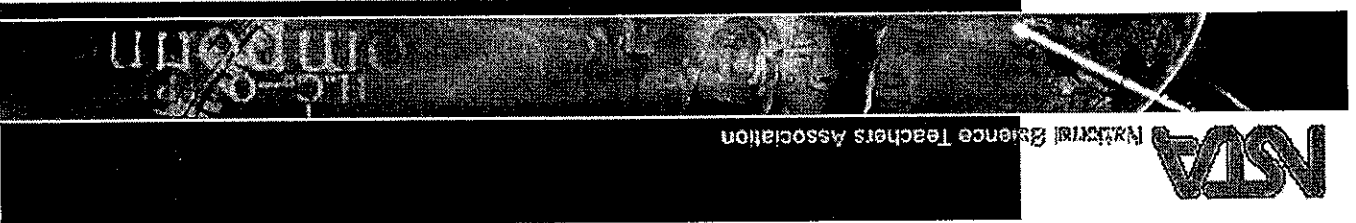
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Bottle Biology: Exploring the World Through Soda Bottles and Other Recyclable Materials
 Mill Ingram

Grades: K - 8

Pages: 128

Product Number: OP483X

ISBN13: 978-0-75750-094-7

Copyright: 1996

Member Price: \$26.06

Non-Member Price: \$28.95

On Back Order



An NSTA best-seller, this wonderfully illustrated, spiral-bound lab book uses soda bottles and film cans to create complete ecosystems. Activities include modeling a rainforest, building a decomposition column, and designing a gardening system. Each chapter contains construction details, background readings, and assessment questions. Adaptable to all ages and skill levels.

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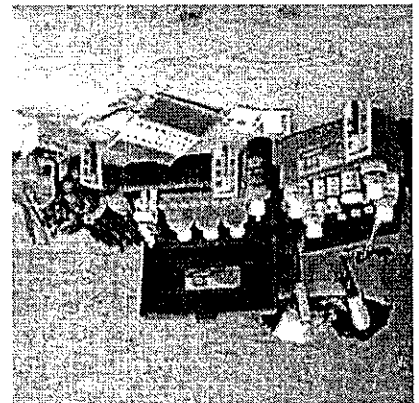
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Choose from two inexpensive combination soil test kits for measuring pH, nitrogen, phosphorus, and potassium. Easy, step-by-step instructions for test procedures. Measurements are made in graduated plastic test tubes. Test result readings are measured against mylar-laminated color charts. Results: High, Medium, Low. Two booklets, "A Study of Soil Science" and the "LaMotte Soil Handbook," provide background information and data for interpretation of test results.



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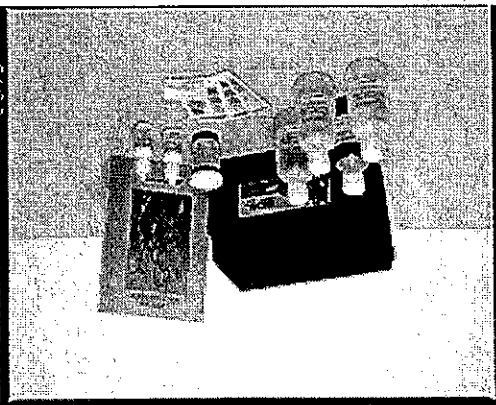
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Measure pH, nitrogen, phosphorus and potassium levels with this combination soil test kit.

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Readings are made in graduated plastic test tubes with a test tube holder (supplied). Simply compare your results to the mylar-laminated color charts.

The kit contains reagents for 30 pH tests, 15 nitrogen tests, 20 phosphorous tests and 15 potassium tests.

Includes: polypropylene case and two manuals.

WW6857900	LaMotte/80 Tests	Temporarily Out of Stock	\$45.00	0	ADD TO CART
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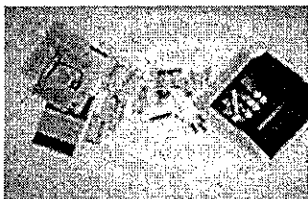
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Sunday, October

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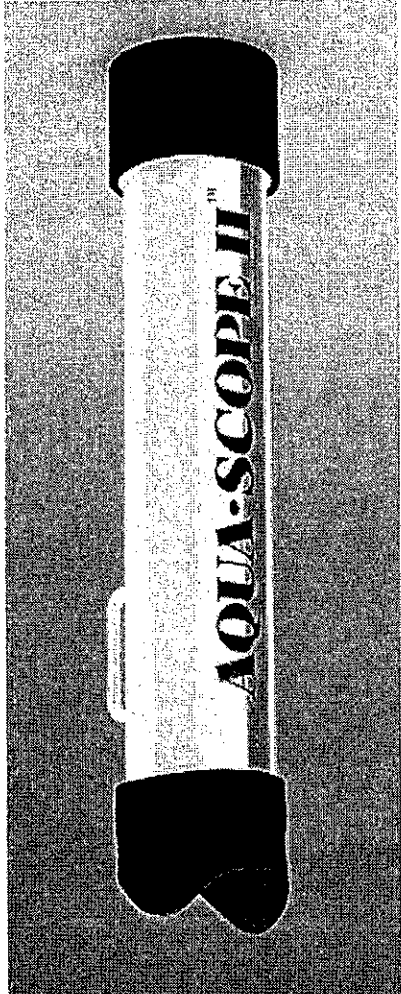
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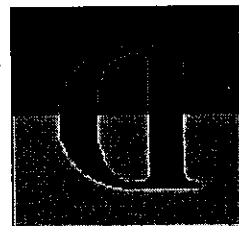
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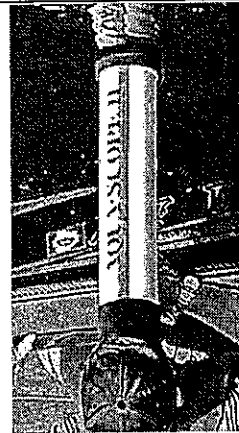
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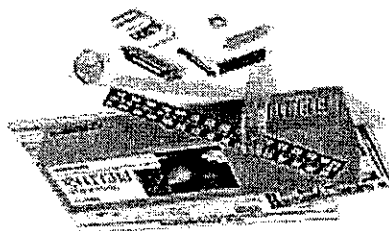
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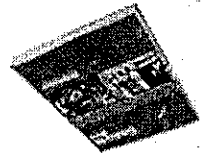
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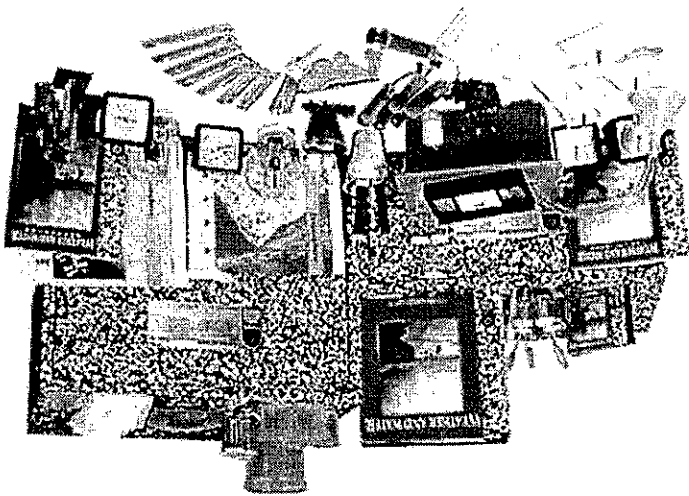
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Investigation 1: What is Weather? introduces the concept of weather and the tools that meteorologists use to measure and study weather factors.

Investigation 2: In Where's the Air? students learn that weather occurs in the atmosphere and that the atmosphere is composed of air, a mixture of gases, which has mass and can be compressed.

Investigation 3: In Seasons and Sun students learn that seasons are related to the amount of solar energy transferred to Earth, and that the amount of energy transferred is affected by latitude, tilt of the Earth's axis, revolution, and rotation.

Investigation 4: In Heat Transfer students investigate energy transfer from the Sun to Earth's surface and atmosphere through radiation and conduction.

Investigation 5: In Convection students learn that the concept of density on their way to understanding convection as a process of mass movement of fluids and a mechanism for energy transfer.

Investigation 6: In Water in the Air students investigate humidity - the water vapor in the air - to understand some of the variables that influence its transition from liquid to gas and from gas to liquid.

Investigation 7: In The Water Planet students learn that the water cycle is complex and involves water everywhere in the global environment.

Investigation 8: In Air Pressure and Wind students investigate the relationship between changing air pressure and wind.

Investigation 9: In Weather and Climate students learn the distinction between weather and climate, become familiar with air masses and fronts and are introduced to the concept of global warming.

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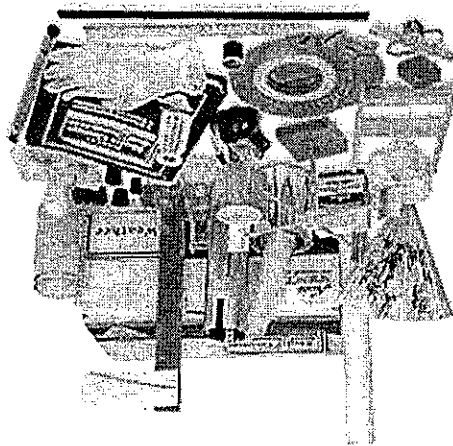
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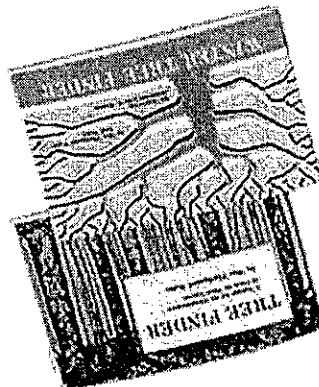
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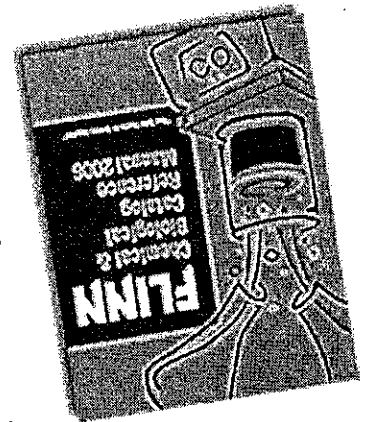
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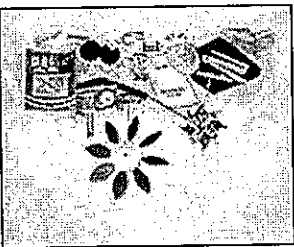
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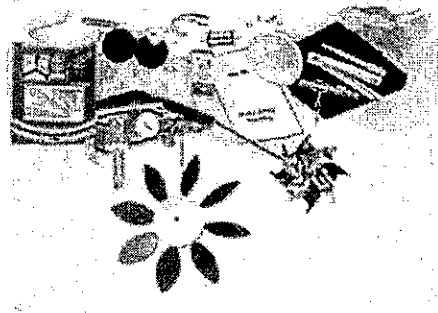
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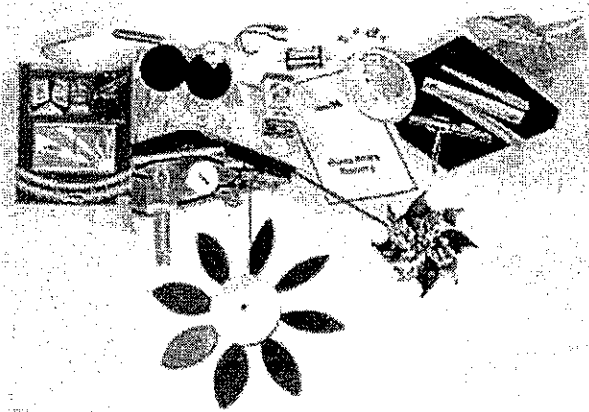
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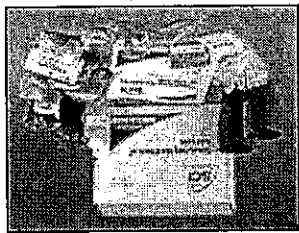
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SIMULATING THE EFFECTS OF ACID RAIN (CLASS KIT).

ITEM #: KIT-8261
PRICE: \$46.95

Resource Description

Please enter quantity:

Sufficient materials for a class size of 40. #KIT-8261. \$46.95. Living organisms as well as building materials. Grades 9-12. Students receive a firsthand view of the effect of acid rain on top. Students investigate the causes of acid rain, the effects of acid rain on both the built and natural environment, and how one can prevent it. Kit contains a series of inquiry-based investigations focused on uncovering the issues surrounding this controversial topic. Students receive a firsthand view of the effect of acid rain on living organisms as well as building materials. Grades 9-12. Sufficient materials for a class size of 40. #KIT-8261. \$46.95.

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Simulating the Effects of Acid Rain

Lab Investigation

A startling look at one of our most important environmental challenges



What causes acid rain? What effect does it have on the environment? How can it be prevented? These are just a few of the questions your students will explore through a series of inquiry-based investigations focused on this key environmental topic. Students will explore the causes of this by-product of industrial growth and gain a firsthand view of its effect on plants and organisms as well as common building materials.

CLASS SIZE - 40 STUDENTS

E2-20-1493

Quantity: 1

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Variety of Learning Activities Makes an Ideal Introduction to Recycling

A detailed, 58-page manual packed with background information, and a set of transparencies and slides to reinforce concepts, introduces your students to waste and recycling. Students then participate in four exercises exploring the carbon dioxide cycle, composting, producing fuel from wastes, and paper recycling. You'll get enough materials for 24 students.



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Environment & Recycling Lab



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The effects of waste and pollution on the environment is a current topic. Natural resources are becoming scarce as a result of indiscriminate use for many years.

Landfills are quickly filling up with products that can be recycled and used instead of depleting our natural resources. Students can learn how to recognize and stop the effects of pollution on the environment with this lab.

This start-up package includes "Waste Away" curriculum—a great way to get students on the right track when it comes to conserving and recycling valuable resources. The hands-on activities include various kits to evaluate the soil, air, and water while completing recycling projects. Grades 7-12.

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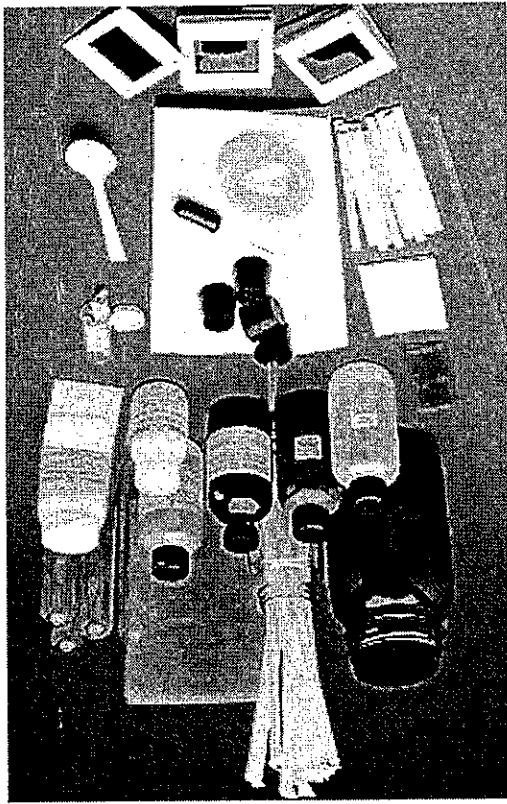
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Every year more than 200,000,000 tons of solid waste are collected in the United States. Can we afford to dump this into our environment?

This self-contained kit uses a combination of 35 mm slides, reproducible transparency masters, reference material and laboratory equipment to give students an understanding of solid waste causes, sources and management, plus case studies on solid waste pollution.

The laboratory manual and equipment allow students to do tests and experiments involving incineration of packing material, CO2 cycle in nature, composting, fuel for wastes and paper recycling.


Includes: seven testing chemicals and all of the necessary equipment for the tests.



Solid Waste And Recycling Kit

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Field Manual for Water Quality Monitoring - 12th Edition



The latest edition of the best selling text for school-based water quality monitoring programs used in schools around the world. The manual details all of the elements necessary to teach water quality to middle and high school students. The Field Manual will help your students develop a full understanding of the health of your watershed as they perform chemical and biological tests as well as getting a better understanding of the impact of land use practices and developing action strategies. This text is the perfect complement to any of the GREEN water quality kits.

Details

Price: \$25.95

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- 4. Tips Ca Bound 10-
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 by Mark K. Mitchell (Author), William B. Stapp (Author), Kevin Bixby (Editor)
 ***** (1 customer review)

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MONTINI CATHOLIC HIGH SCHOOL

19 W 070 16th Street—Lombard, Illinois 60148-4797
Telephone 630.627.6930—Fax 630.627.6965—info@montini.org



October 11 2006

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

Dear Mr. Anderson,

Enclosed with this cover letter is an application from Montini Catholic High School for the Solid Waste Recycling Grant Application. Montini Catholic is respectfully requesting your consideration for the purchase of Digital Stereomicroscopes for our Environmental Science Program. These additional microscopes will allow more students to utilize the microscopes in a hand on situation.

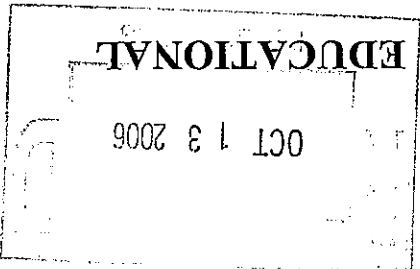
Montini Catholic High School is a college preparatory co-ed school that is owned and operated by the De La Salle Christian Brothers. We recently celebrated 40 years of providing a Lasallian Education to residents of Lombard and surrounding communities. The 653 students attending our school come from diverse academic and social backgrounds and participate in a curriculum that provides a well-rounded education that also stresses service to community and to fellow students. 98% of our students go on to higher education.

Thank you in advance for your consideration of this proposal. Please contact me at 630.627.6930 ext. 172 if additional information is needed.

Sincerely,

Barbara L. Pauley

Barbara L. Pauley
Director of Corporate and Foundation Relations



SOLID WASTE RECYCLING GRANT PROGRAM- EDUCATIONAL

Village of Lombard, Illinois

Application Form (Last revised 1-31-05)

Part 1 - GENERAL INFORMATION

Today's date: 10 / 4 / 2006

Name of School: Mount Catholic High School Grant Contact Phone: (day) 603-627-6930 (evening) 603-495-4585

Address: 19W070 16th Street Lombard, Illinois 60148

Number of students at school 653 Estimated number of students living in corporate limits of Village of Lombard 159

Name/Title of Person Submitting Application: Barbara Pauley, Director of Corporate & Foundation Relations

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 recycle. Est. 1990
- c. How many students participate in recycling/environmental/conservation efforts? 653
- d. How many students are being taught about recycling/environment/conservation? 653
- 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? \$2,395.60
- 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?

Emphasis on the conservation program begins at the freshmen level in our Environmental Science class, which most freshmen are enrolled in. This course is the introduction of science at Montini Catholic High School and an overview of all the sciences emphasizing the interrelationship of organisms to environment. Honor students at the freshmen and sophomores level 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 in the three years required for graduations. 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 collect 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 as well as the driveway entrance to the school 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 Mike 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 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.

Part 3 – FINANCIAL COMMITMENT AND PROJECT DESCRIPTION

Page 3

This grant requests purchases centered in one area.

The Digital Stereomicroscopes is used for examining living things. Interactions with environmental changes can be viewed in real time. Among the variables are air temperature, water temperature, pollutants, excess use of fertilizers, population growth, and the introduction of new native plants. In a short period of time, students will be able to see the visually of small alterations to the environment. The additional microscopes make it easier for more students to utilize the equipment in hands on situations. Ideally each student should be able to use their own microscopes to view their own individual specimens.

Next page lists vendors and order information.

VENDORS AND PRICE QUOTES

DIGITAL STEREOMICROSCOPES

1ST VENDOR

Fisher Scientific
Fisher Science Education
(800) 955-1177

4500 Turnberry Drive
Hanover Park, IL 60133

<https://www1.fishersci.com>
Item #12-562-13

Cost: \$598.90

Quantity: (4)

Total: \$2,395.60

2ND VENDOR

Ward's Natural Science

(800) 962-2660

P.O. Box 92912

Rochester, NY 14692

<http://www.wardsci.com>

Item #24 V 0512

Cost: \$695.00

Quantity: (4)

Total: \$2,780.00

3RD VENDOR

Sargent-Welch

P.O. Box 5229

Buffalo Grove, IL 60089

(800) 727-4368

<http://sargentwelch.com>

Item #WLS47750

Cost: \$817.79

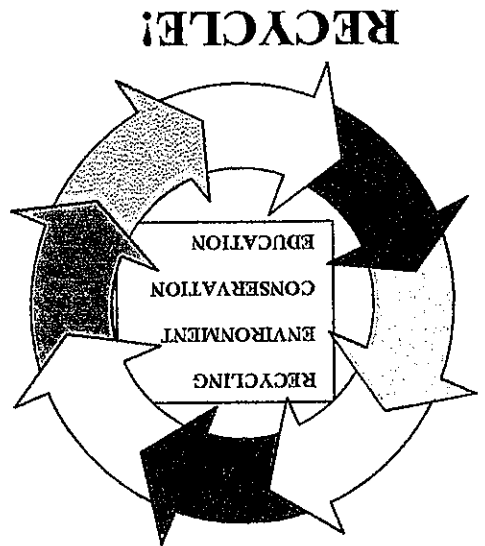
Quantity: (4)

Total: \$3,271.76

060609

The purpose of the Village of Lombard's Solid Waste Recycling Grant Program is to promote recycling, the environment, conservation, and environmental education.

**SOLID WASTE RECYCLING
GRANT APPLICATION
Educational
Environmental Concerns Committee
Village of Lombard, IL
Trustee Greg Gron - Chairperson**



Grants for education can positively influence the overall health, welfare, and safety of the Village. As an example, trained and motivated students can begin new recycling or conservation programs, and influence others through their own efforts and publicity to be more environmentally conscious. These efforts will enhance the quality of life here in Lombard and globally.

The funding for Educational Grants this fiscal year totals \$12,000 (June 1 through May 31). The source of funds is the Community Recycling Fund, which receives revenue from the refuse surcharge. The Village reserves the right to accept or reject any or all items in grant requests for any reason such as but not limited to fiscal constraints or minimal impact on recycling, the environment, or conservation. If all funds are not awarded during the various application rounds, the Village may reconsider grant applications previously received.

The grant program is open only to schools with students who live within the corporate limits of the Village of Lombard. Please note any park benches or similar items purchased must be made of recycled materials. Applications will be accepted two times per year (no exceptions) with the following deadlines: March 1 and October 15. All necessary information must be submitted with application. The Environmental Concerns Committee reviews grant applications at one meeting and makes recommendations at a following meeting. The Village Board then acts upon the recommendation. It takes about 10 weeks after the deadlines to award grants. Successful applicants may be requested to attend a later meeting.

Examples of grant eligible items include: environmental education presentations, books, videos, plants, worms, bus service for a field trip, microscopes, recycled plastic benches and picnic tables, all different types of recycling bins and containers, posters, water pollution test kits, bacteria pollution test kits, coilform kits, various CD's, magazines, project signs, seed and plant plugs, dissolved oxygen meters, shredders, composter, gardening supplies and scale, shovels, thermometers, storage sheds, pesticide detection kits, soil/PH meters, palm computers, probes, water quality kits, can crushers, nitrogen fixation kits, thermal and sewage lab kits, soil testing kits, soil texture and sedimentation unit, paper recycling lab, solar energy kit, water cycle model, landscape timber, acid rain kit, solar balloon, waste reduction kit, and floor puzzles. Items that are not grant eligible include but are not limited to: stipends, staff salaries, hauler fees, and ongoing expenses.

Please complete the following application and return to Village of Lombard, Department of Public Works, 1051 S. Hamerschmidt (mailing address is 255 E. Wilson Avenue, Lombard, IL 60148). Your application will be rated on a point system according to criteria in the application and compared to other grant applications. If you have any questions, please call Public Works at 620-5740.

Applicants are required to submit a typewritten report responding to the questions below and providing a detailed description of items requested and costs. In your report, please number your responses based on the pertinent section of the application. Also, please fill in the blanks in the application to allow quick reference for evaluators. The Village may request additional information or documentation when reviewing the applications.

SOLID WASTE RECYCLING GRANT PROGRAM- EDUCATIONAL

Village of Lombard, Illinois

Application Form (Last revised 1-31-05)

Part 1 - GENERAL INFORMATION

Today's date: 10/09/06

Name Of School: Park View Elementary School Grant Contact Phone: (day) 827-4040 (evening) 495-0520

Address: 341 N. Elizabeth St

Number of students at school: 250 Estimated number of students living in corporate limits of Village of Lombard: 250

Name/Title of Person Submitting Application: Sandra Dressler, Principal

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

a. Have you earned an "Earth Flag"? Yes No If yes, list years 1991 will recetyly "07
 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? 250

d. How many students are being taught about recycling/environmental/conservation? 250

e. How many students will the grant funds help to educate? 250

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? \$2960.00
 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.

Part 2 – Effectiveness of Current Program

f. Recycling, conservation, and environmental issues are a part of our Science curriculum in all grades (K-5). The curriculum actively involves students in their learning through hands-on activities. Students learn how their actions affect the earth as well as how they as individuals can make a difference through recycling and conservation.

g. Currently we recycle paper, cans, print cartridges, and gym shoes. We also have a school-wide celebration of Earth Week. In the past, we have created a habitat in the school hallway and concentrated our efforts on the specific habitat of the year. This year we will use Earth Week to do a number of conservation activities so we can recently our Earth Flag. The entire week will involve students, staff, and families in conservation, recycling, and environmental activities.

Besides being involved in the village recycling efforts, our school has been very involved in the Terrace View Prairie Restoration. We have worked closely with the Lombard Garden Club and the Park District to promote the prairie restoration as well as the protection of the Terrace View Pond. We previously received an Arbor Day migrant from the DuPage Soil and Conservation District as well as a Village Recycling Grant to help with these efforts.

Currently our courtyard and all benches in front of the school come from recycled materials. We want our students to see the complete recycling cycle so they will understand how the simple act of recycling can result in a beautiful picnic table, bench or even garbage can. When the students see the end product they can appreciate that each of them can make a difference and that no effort is too small when it comes to protecting the earth for future generations.

Part 3 – Financial Commitment and Project Descriptions

100% recycled plastic bicycle rack
BARCO #BR100 color cedar

$5 @ \$445.00 = \2225.00

100% recycled plastic 8' bench
BARCO #GTB800 color cedar

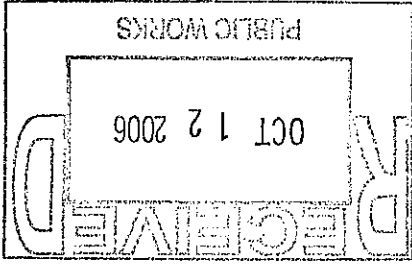
$1 @ \$485.00 = \485.00

$\$2710.00$

$250.00 S/H$

$\$2960.00$

Grand Total



John A. Matyasik
Business Manager

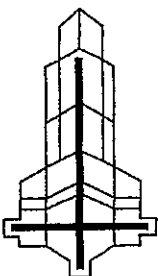
John A. Matyasik
Sincerely,

St. Pius X School would like to thank you for the opportunity to apply for a Recycling Grant. We feel very strongly about the importance of recycling and conservation in our school and in our community. Enclosed you find our grant application along with answers to the questions on the application. If we can provide any additional information, please do not hesitate to contact me.

Dear Mr. Anderson:

Wes Anderson
Director of Public Works
Village of Lombard
Department of Public Works
255 East Wilson Avenue
Lombard, IL 60148

October 11, 2006



ST. PIUS X CHURCH/SCHOOL

1025 East Madison Street
Lombard, IL 60148
630-627-4526
Fax: 630-495-5926

**SOLID WASTE RECYCLING GRANT PROGRAM- EDUCATIONAL
Village of Lombard, Illinois
Application Form, (last revised 1-31-05)**

Part 1- GENERAL INFORMATION Today's date: 10/11/06

Name of School: St. Pius X School Grant Contact Phone: (day) 630-627-4526 (evening) 630-947-5672

Address: 1025 East Madison Street

Number of students at school: 390 Estimated number of students living in corporate limits of Village of Lombard: 350

Name/Title of Person Submitting Application: John Matyasik, Business Manager

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

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

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? 90

d. How many students are being taught about recycling/environment/conservation? 180

e. How many students will the grant funds help to educate? 390

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 (not that I can determine)

b. Amount of grant request? \$4,004

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.

ST. PIUS X SCHOOL

SOLID WASTE RECYCLING GRANT PROGRAM- EDUCATIONAL

Application Questions Response

f. How is the recycling/environmental/conservation program emphasized in your classes throughout the school? Recycling/environmental/conservation is emphasized in all of St. Pius X School science classes. The school has participated in the Lombard Recycling Day.

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?

- Currently recycle paper, cardboard, ink cartridges and cell phones
- We set aside two days a month when we promote a no waste lunch program
- Participate in a program to recycle textbooks
- In the process of developing a program to recycle all recyclables including plastic and cans
- Working with SCARCE (School and Community Assistance for Recycling & Composting Education) in developing programs for our school
- Recycling/environmental/conservation program have been in place for approximately 10 years
- Besides recycling, the school does its part in conserving energy by turning off lights and electronic equipment, controlling heat and air conditioning
- The school helped to promote Lombard's Recycling Day and helps to educate the parents on the importance of recycling/environmental/conservation

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.

St. Pius X School wants to expand its recycling education program. We currently cannot recycle the waste from our school lunch program. We are disposing of 5-6 large trash bags daily from the recycling totes to recycle. We would like to bring in a 6 yard dumpster that can handle the volume. The cost of bringing in the 6 yard dumpster from Waste Management for recycling is \$77/week or \$4,004/year.

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

Application Form (Last revised 1-31-05)

Part 1 - GENERAL INFORMATION

Today's date: 10/18/06

Name of School: Delphi Academy Grant Contact Phone: (day) 630-620-
 (evening) 8950

Address: 241 E. Roosevelt

Number of students at school 86 Estimated number of students living in corporate limits of Village
 of Lombard 30

Name/Title of Person Submitting Application: Lynne Webb

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

a. Have you earned an "Earth Flag"? Yes No X If yes, list years _____
 b. Do you have an environmental club? Yes _____ No X If yes, how many are in the club and
 how long has the club been in existence? 3

c. How many students participate in recycling/environmental/conservation efforts? 86

d. How many students are being taught about recycling/environment/conservation? 86

e. How many students will the grant funds help to educate? 86

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 X No _____

b. Amount of grant request? 2,000

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.

October 13, 06

Re: Solid Waste Recycling Grant Educational Program

Part 2-F. Throughout the Delphi science curriculum the concepts of conservation and recycling are taught to our children from age three to thirteen. The teachers use books, videos, games, activities and experiments to heighten their awareness of the world around them. Everyone is involved in recycling paper. We also recycle cameras, cell phones and ink cartridges. Presently we are setting up a bin for plastic bottles and containers.

Part 2-g. Our recycling/environmental accomplishments last year include the use of two used copier machines, a laptop computer and four desktop computers and a printer. We are in the process of designing a new playground from Play Mart. Their play structures are manufactured from a 100% recycled high-density polyethylene, RSP. As part of Earth Day our students are involved in projects to help clean and beautify our local park. We have participated in Earth day activities and conservation efforts for the past five years.

Recently we have redone the landscaping around our school. Our older students have also been involved in a community service project. They have donated their time, money and effort to a local church to help maintain their grounds and building. Planting, weeding and painting were several of their jobs. Both of these projects have helped to beautify the city of Lombard.

Part 3-Delphi Academy would like to purchase a swing set for our new playground. This play set is made of nearly 100% recycled milk jugs! Attached is a picture and a price list.

This swing set consists of two bays and four seats. The cost of the set is \$1835. Each belt swing has a plasticsoil-coated chain to protect hands from heat and sharp edges. The price of each seat is \$28.00 See attached photo.

I realize the cost of the swing set is high. For this reason I am including other recycled play structures that we would like to include and are not as expensive. See attached photos.

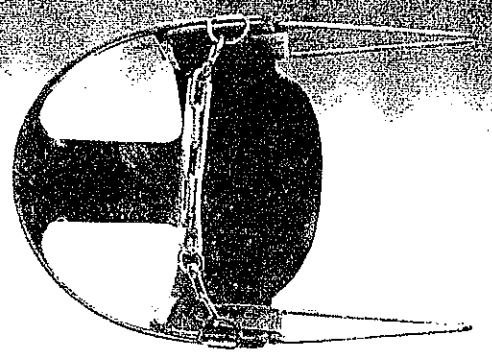
Funhoop 9' pole \$654.00

Sand box w/ casa grande roof \$1041.00

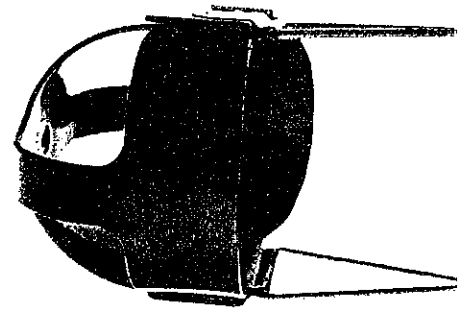
Rock tower \$566.00

Thank you for your consideration.

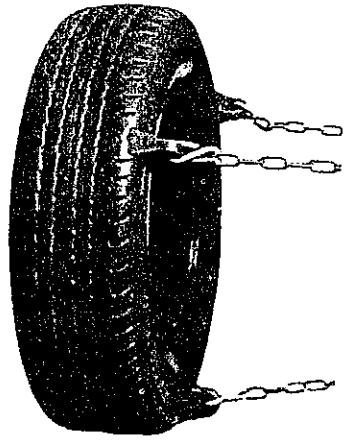
Swings



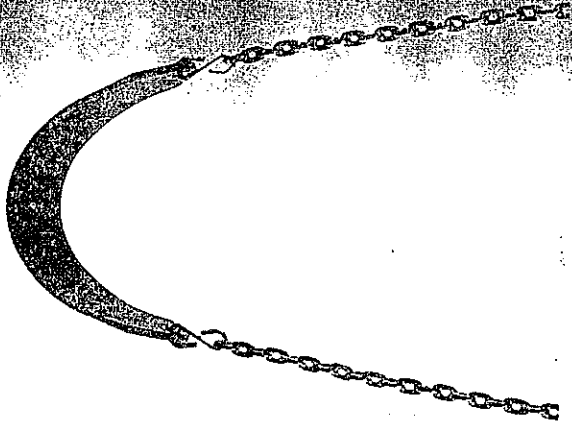
Half Bucket Seat
With or without chain



Enclosed Bucket Seat



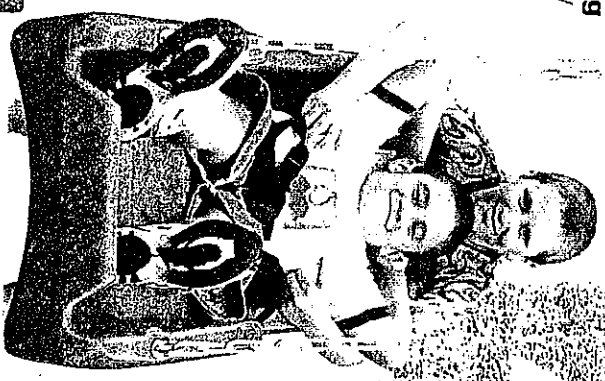
Tire Swing
Requires 1 bay



Belt Seat

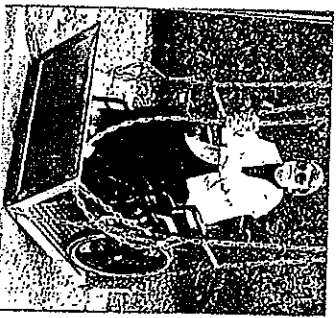
2 swing seats per bay.

All Seats / Chairs / Swings have plastics-coated chain to protect hands from heat & sharp edges.



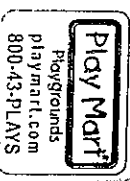
ADA Swing Chair

More ADA Swing options available upon request.



ADA Swing Platform

Must be locked & used with supervision



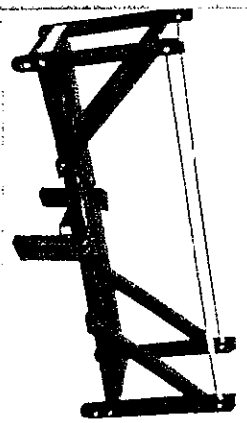
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BALL & BALANCE PLAY

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Playgrounds
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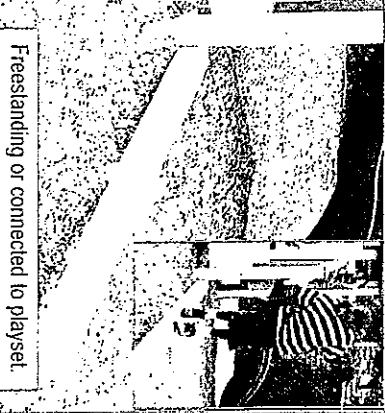
Accommodates up to 20 children



Rubber Bumpers Included

Crump Sawsaw

At 11'0" x 12' height



Freestanding or connected to playset.

Balance Beam

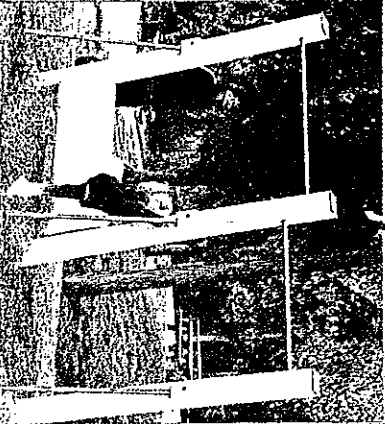
Up to 3 connected 10' sections



12' W x 7' H

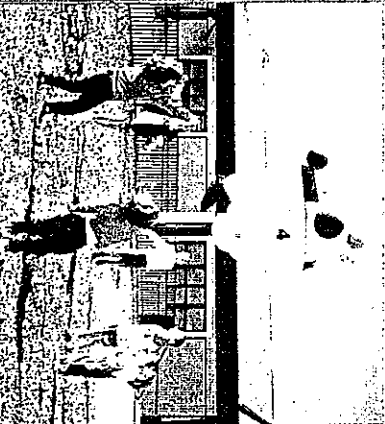
Junior Soccer Goal/Net

Sturdy, elementary level goal with 4' deep backstop. 2 3/8" O.D. galvanized steel pipe.



Log Roller Up to 3 connected.

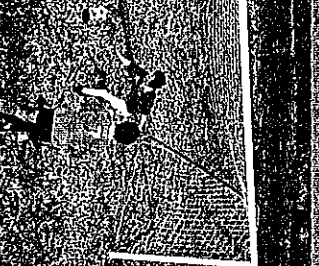
With or without chin up bar.



Standard Football (9 pole) and ADA (7 pole)

Aligns spherical to square bases by height. Allows children to change bases by height. Includes ball & net.

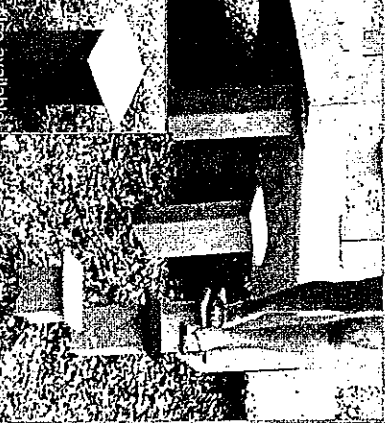
Goal Frame: 2" x 4" steel tube, painted white.
Rear Supports: 1 7/8" O.D. galvanized pipe.



Units are 24' W x 8' H x 10' D x 4" net.

Portable Soccer Goal/Net

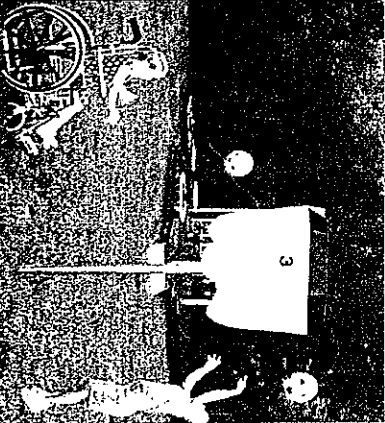
Includes: Hardware and four anchors.



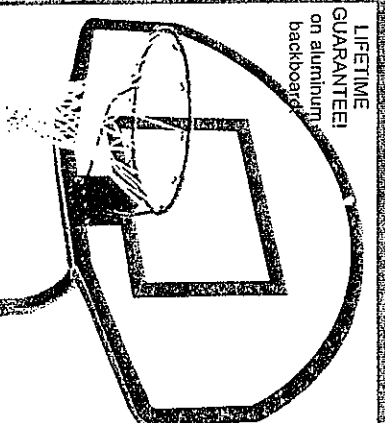
Also available in 10' x 6' x 5' SE

Stepping Stools

3' to 2 1/2' Height

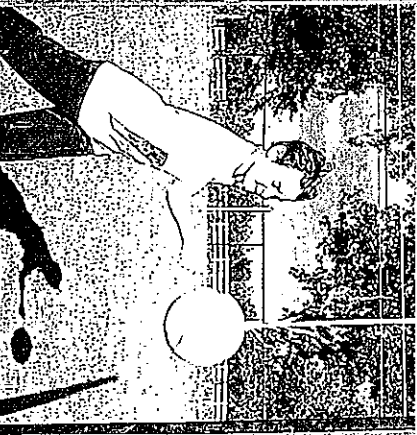


LIFETIME GUARANTEE! on aluminum backboard



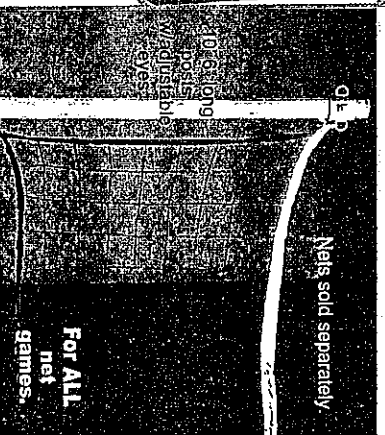
Aluminum Backboard

Includes: one piece 3/8" O.D. galvanized steel post, 1/2" (3" extension), goal & net.



Tether Ball

Includes: Powder coated pipe, ball & cord.



Net sold separately.

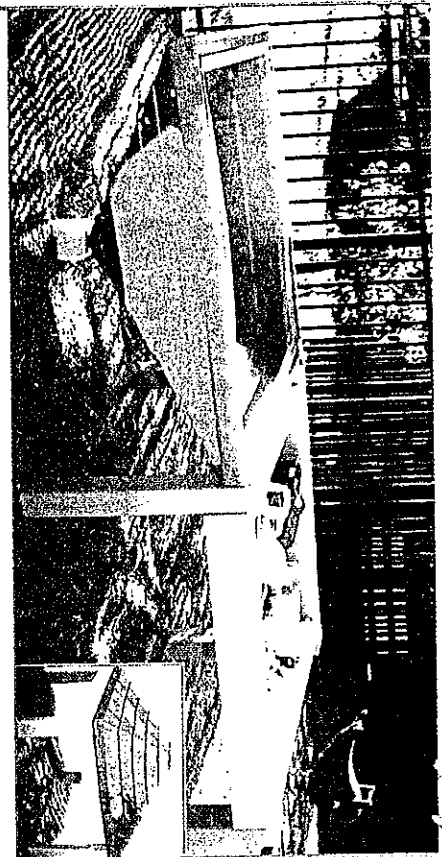
Multi-Purpose Post

Capped, galvanized steel posts. 2 3/8" O.D.

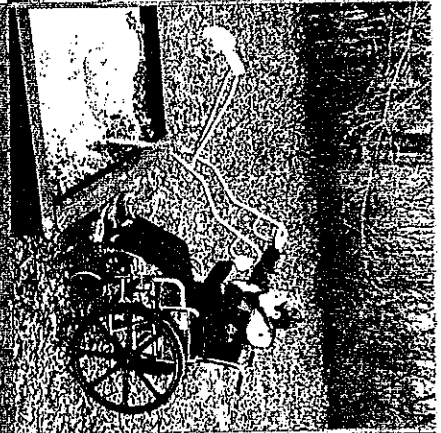
For ALL net games.

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ADDITIONAL SAND & WATER PLAYS



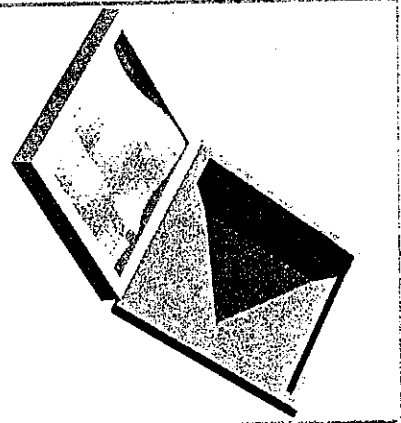
Sand Box (Available with or without Casa Grande roof)



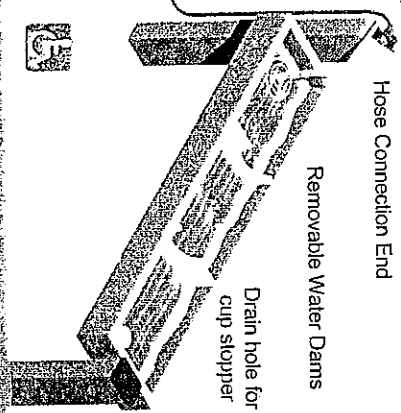
ADA Sand Digger



Sand Digger



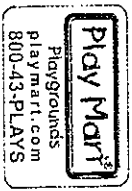
Ground Level Sand Box



Water Dam
Hose, cup, digger, shovel, shovel, shovel

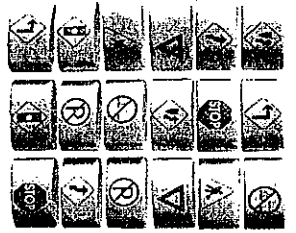


Mud Pie Table

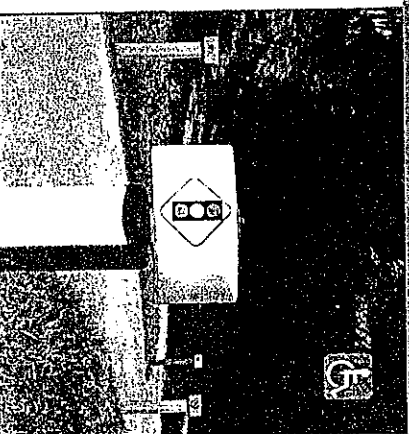


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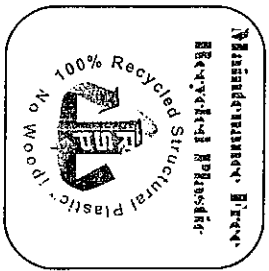


Traffic Spinner Tops
Tops on one side



Trike Traffic Sign Spinners
Make tricycle paths a fun, learning experience!

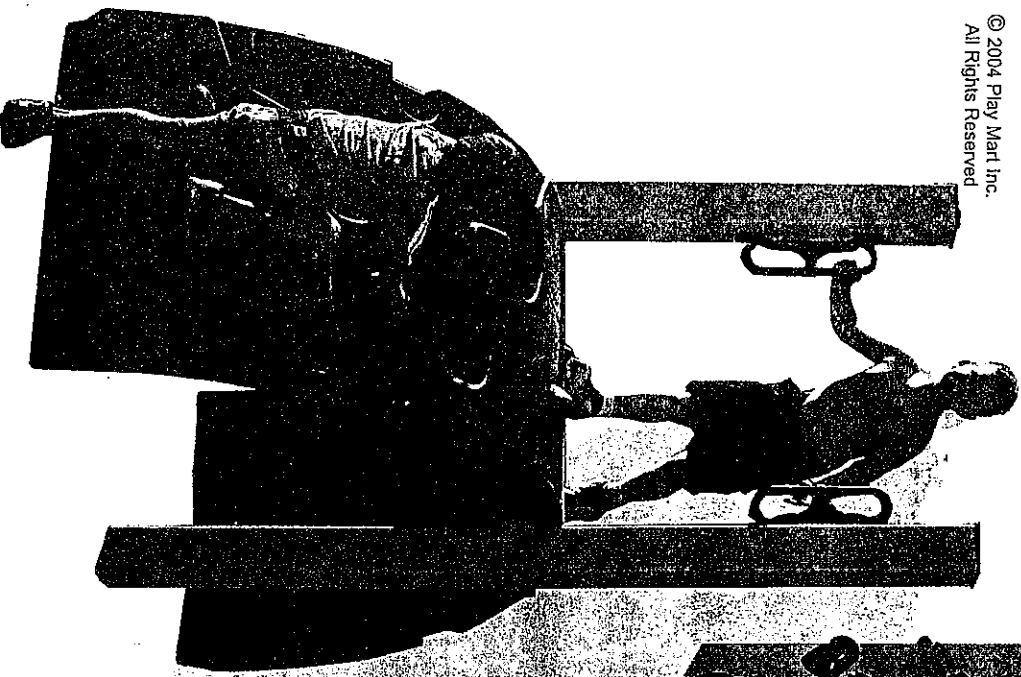
Rock Climbers



Maintenance Free
Recycled Plastic

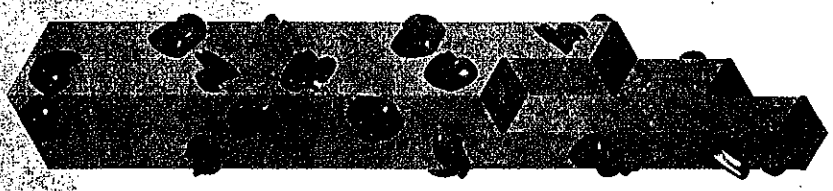
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ROCK TOWER 8'H
Safety Zone: 14'L x 14'W
Surfacing: 196 sq.ft.

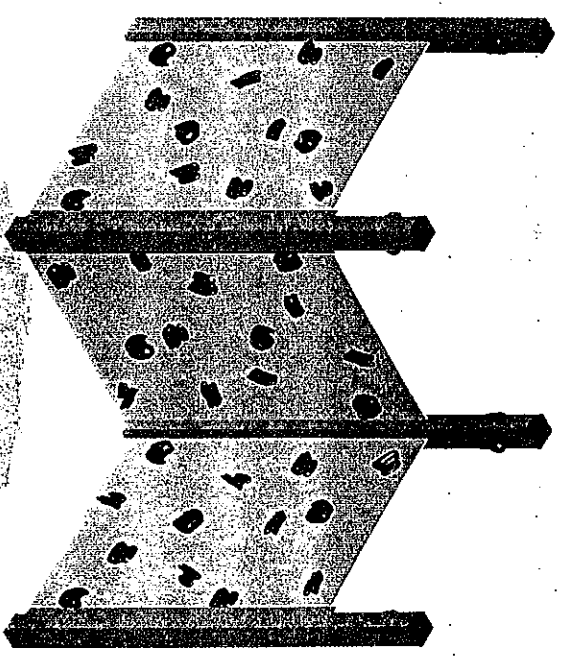


134

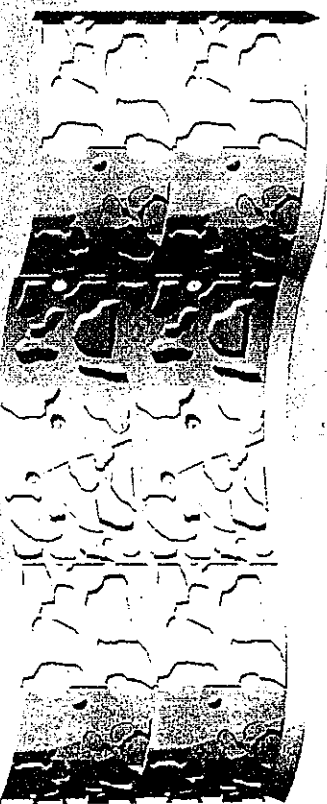
Double Mountain Climber 8'H
Safety Zone: 16'L x 22'W
Surfacing: 396 sq.ft.



Triple Rock Wall 8' H
Safety Zone: 16'L x 22'W
Surfacing: 396 sq.ft.
(Double Sided)



CLIMBING WALL 6' 6"H
Safety Zone: 31'L x 16'W
Surfacing: 496 sq.ft.
(Double Sided)



DOUBLE ROCK WALL 8'H
Safety Zone: 17'L x 19'W
Surfacing: 323 sq.ft.

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Youth/Adult
Age: 8-Adult

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