

**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) _____

X

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: William T. Lichter, Village Manager

DATE: December 18, 2007 (COW) (B of T) **Date:** January 3, 2008

TITLE: Educational Recycling Grants

SUBMITTED BY: David P. Gorman, Acting Director of Public Works *DDG*

BACKGROUND/POLICY IMPLICATIONS:

A recommendation from the Environmental Concerns Committee to approve an Educational Recycling Grant for Montini Catholic High School in the amount of \$1,295.00.

FISCAL IMPACT/FUNDING SOURCE:

Community Recycling Fund 2790.777500 \$1,295.00

Review (as necessary):

Village Attorney	X	Date	
Finance Director	X	Date	
Village Manager	X	Date	12/19/07

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.

MONTINI CATHOLIC HIGH SCHOOL

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



November 26, 2007

Mr. David P. Gorman, PE
Assistant Director of Public Works
Village of Lombard
255 E. Wilson Avenue
Lombard, IL 60148

Dear Mr. Gorman:

Enclosed with this cover letter is a revised application from Montini Catholic High School for the Recycling Education Grant Application as per your request. Montini Catholic is respectfully requesting your consideration for the purchase of Video Flex Cameras for our Environmental and Biological Science Programs in the amount of \$2,500.

Montini Catholic High School is a college preparatory co-ed school that is owned and operated by the De La Salle Christian Brothers. We have provided over 40 years of Lasallian Education to residents of Lombard and surrounding communities. The 672 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.

On behalf of Montini Catholic High School I thank you in advance for your consideration of this proposal. I know that you receive many worthy requests and appreciate all that you and your committee do for our students and community. 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

NOV 27 2007



Village of Lombard Recycling Education Grant Program APPLICATION

revised 4/07

PART 1 - GENERAL INFORMATION

Name of institution: Montini Catholic High School

Address: 19W 070 16th street

Name and title of person to contact: Barbara Pauley, Director of Corporate & Foundation Relations

Number of students: 672 Number of students residing in incorporated Lombard: 150 (estimate)

PART 2 - AMOUNT REQUESTED & PROJECT DESCRIPTION

a. Amount of grant request: \$ 2,500

b. How many students will the grant funds help to educate? At least 30% of our student body every year

c. Has the institution received prior grant money from the Village of Lombard? YES NO

d. Provide a clear, concise description of the proposed project. Indicate how the project promotes

enthusiasm to learn more about the environment, how the project fits into your organizations

curriculum and how it will enhance environmental education or outreach.

e. Provide detailed descriptions of items requested and costs. If the grant involves commodity

purchases, provide three quotes including vendor name and prices. If recycled products are being

purchased, list what percentage of product is made from recycled materials.

PART 3 - CURRENT PROGRAM (RECYCLING, ENVIRONMENT, CONSERVATION)

a. Has your institution earned the Earth Flag? YES NO

(for information on earning the Earth Flag visit www.bookrescue.org/scarce/default.asp?page=SearchFlag)

b. Does your institution have an environmental club? YES NO

c. How many students participate in recycling/environmental/conservation efforts? 672

d. How many students are being taught about recycling/environment/conservation? 672

e. How are environmental programs emphasized in your classes? Please see attached

f. In your typed report, explain your current recycling/environmental/conservation program and past accomplishments. How long have you had this program? What does the institution do for the environment other than recycling? How has the program helped people in the Village of Lombard?

Office use only

Approved by: _____

Chairperson, Environmental Concerns Committee

Date: _____

RECYCLING EDUCATION GRANT PROGRAM

Part 2 – AMOUNT REQUESTED & PROJECT DESCRIPTION

d. The video-Flex Camera has a wide variety of uses in the Environmental Classroom. While microscopic animals can be projected on the systems you have provided in the past, these cameras can project optically larger living things. Student can view animals and plants as well as and their interactions with varying environments.

In the past a classroom demonstration was best viewed by students in the front of the room. With a video flex camera, the demonstration can be viewed on projection or smart boards (both of these technologies the Environmental Classes possess).

Students can use this camera technology (in conjunction with DVD recorders) and make a record of individual experiments. The recording can then be shown to the class. Time for experimental set-up and performance by students can be reduced. The more important discussion of what and why can then be lengthened resulting in a more advantageous learning experience.

These are the present uses of this technology. As students and teachers become more familiar with the use of the video-flex camera, more applications will be generated.

e. Video Flex cameras are small video cameras mounted on a flexible neck so they may be shifted into almost any position. The images may then be fed into our existing technology of lap tops and smart boards. The images may then be viewed by the entire class as well as saved for future classes. These cameras would be a definite asset and improvement in our environmental science classes. Many of the activities we do exploring our environment, demonstrating man's involvement in creating pollutants and cleaning them up, and our role as stewards of the earth will be enhanced with these cameras.

Two Video Flex Cameras Model MVP-50 (Picture attached)

Please find Vendor and pricing information below. Film is our vendor of choice.

Vendors and Price Quotes

<p>Film Scientific, Inc. P.O. Box 219 Batavia, IL 60510 1800-452-1261 Video Flex MVP-50 Item #FB1824 Cost \$1,295 Quantity: 2 Total: \$2,590</p>	<p>Ward's Natural Science P.O. Box 92912 Rochester, NY 14692 1-800-635-8439 Item # 25W3625 Video Flex USB Cost \$1,295 Quantity: 2 Total: \$2,590</p>	<p>Fisher Scientific Fisher Science Education 1-800-955-1177 4500 Turnberry Drive Hanover Park, IL 60133 Item#AJS90297 Ken-A-Vision Doc Camera Cost \$1,476.95 Quantity: 2 Total: \$2,953.90</p>
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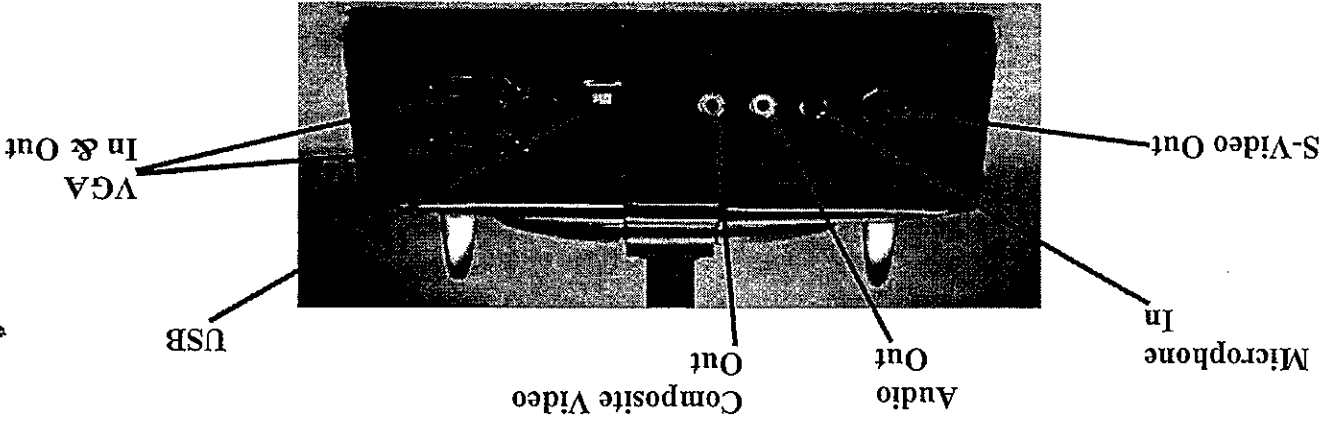
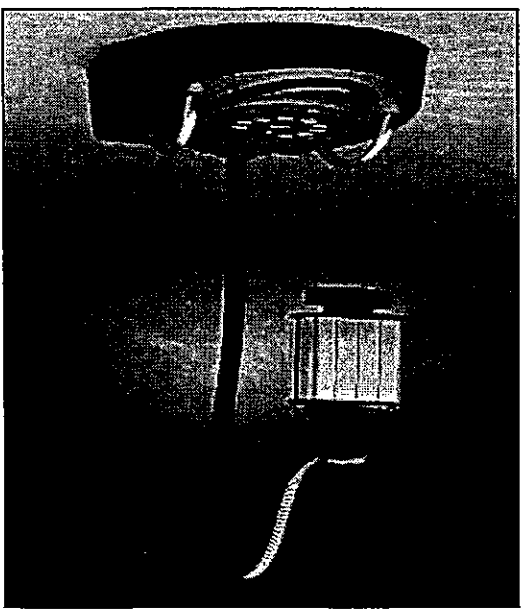
e. The environmental and conservation program emphasis begins at the freshmen level. Most freshmen are enrolled in the Environmental Science class. This course is the introduction of science at Montini Catholic High School. The course is an overview of all the sciences emphasizing the interrelationship 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.

f. 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. Additionally, Montini Catholic has its own power plant allowing for the production of electricity, which is used to power a large portion of the school. Built in the late 1960s, the power plant utilizes natural gas to produce electricity. Natural Gas is the most abundant energy source in the United States. Most recently, the additional construction added rooms to the school. That addition and the school's enhancement of computer technology, audio-visual technology and smart boards have resulted in the use of outside electrical companies to supplement the power plant. Nevertheless, that power plant and the use of natural gas still provide the majority of Montini's energy needs.

Multi Video Product MVP-50

The MVP-50, is the first camera with a durable exterior finish boasting aluminum construction to meet the rigors of daily use. The Multi Video Product or MVP is a line of high resolution cameras with multiple signal outputs. The MVP-50 has high resolution output signals for Composite Video, S-Video, USB, and SVGA. This camera comes complete with Applied Vision™ Software for USB. Applied Vision Software offers features such as live video at full screen, capture of stills, movies and time-lapse, anotate, measure, magnify, amalgamate, and video streaming. The Composite Video and S-Video output are ideal for VCR's, televisions or multimedia projectors. The VGA input and output (15 pin D Sub) is designed to maximize the interaction of your computer and multimedia projector. Manage the use of your audio visual electronics through the easy to use touch pad which controls positive/negative, split screen, brightness, mirror, freeze, iris control and computer (switch between camera and computer right on camera base without using projectors remote control).



MVP-50 SPECIFICATIONS

Weight	9.54 lbs / 4.33 kgs	Light Sensitivity	0.5 Lux
Base Material	Polycarbonate	Resolution	800 X 600
Base Dimension	3" H X 10" L X 8.5" W	Magnification	50:1 or greater
Height	(7.5cm X 25.4cm X 21.6cm)	Connections	Digital: USB
Head Type	30" / 76.2 cm	Cables	Video: Composite, S-Video & VGA Audio: RCA (Microphone Jack)
Focus	8mm	Software	Applied Vision™ Software
Focal distance	Ball and Socket	Warranty	5 Years
Microscope Eyepiece	1/4 turn Quick Focus™		
	6mm to infinity		
	28mm & Built-in 34.5mm		

Specifications subject to change without notice

