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Maryland Green Schools Application Info Session

Alisa Fried, *Education Coordinator*
Mary Westlund, *Program Director*

*Click on the link in the chat or scan the
QR code to sign-in.*

*This helps us with our required reporting
for the State Appropriation Funding we
receive.*



<https://forms.gle/kL2EjGQ9r5eLpBdX8>



Maryland Association for Environmental and Outdoor Education



The Maryland Association for Environmental and Outdoor Education (MAEOE) encourages, engages and empowers our community to understand, responsibly use and promote the natural world.

Mission of MAEOE

MAEOE is...

MAEOE is a non-profit, membership association promoting environmental awareness by serving teachers, natural resource managers, nature center staff and environmental program managers with training, conferences, publications, programs and other resources.

MAEOE is an affiliate of the North American Association of Environmental Education

(NAAEE)

MAEOE does...

MAEOE serves as a professional organization for the environmental education community. This support of Maryland's environmental educators enables students to explore, investigate and act to improve the health of their schools and surroundings.

MAEOE commits to...

Meaningful change is the goal of MAEOE's collaboration with other environmental organizations to produce high quality educational programs and equitably promote environmental literacy throughout Maryland.

MAEOE DEIJA RESOLUTION:

MAEOE has been and will continue to be committed to the intentional integration of principles of diversity, equity, inclusion and justice in our work.

We recognize that everyone is unique and that our individual differences, including the dimensions of race, ethnicity, gender, sexual orientation, socio-economic status, age, cognitive and physical abilities, religious beliefs, political beliefs, or other ideologies makes us a very diverse community.

MAEOE acknowledges the importance of dismantling systems of oppression and injustice that prevent equitable access to nature.

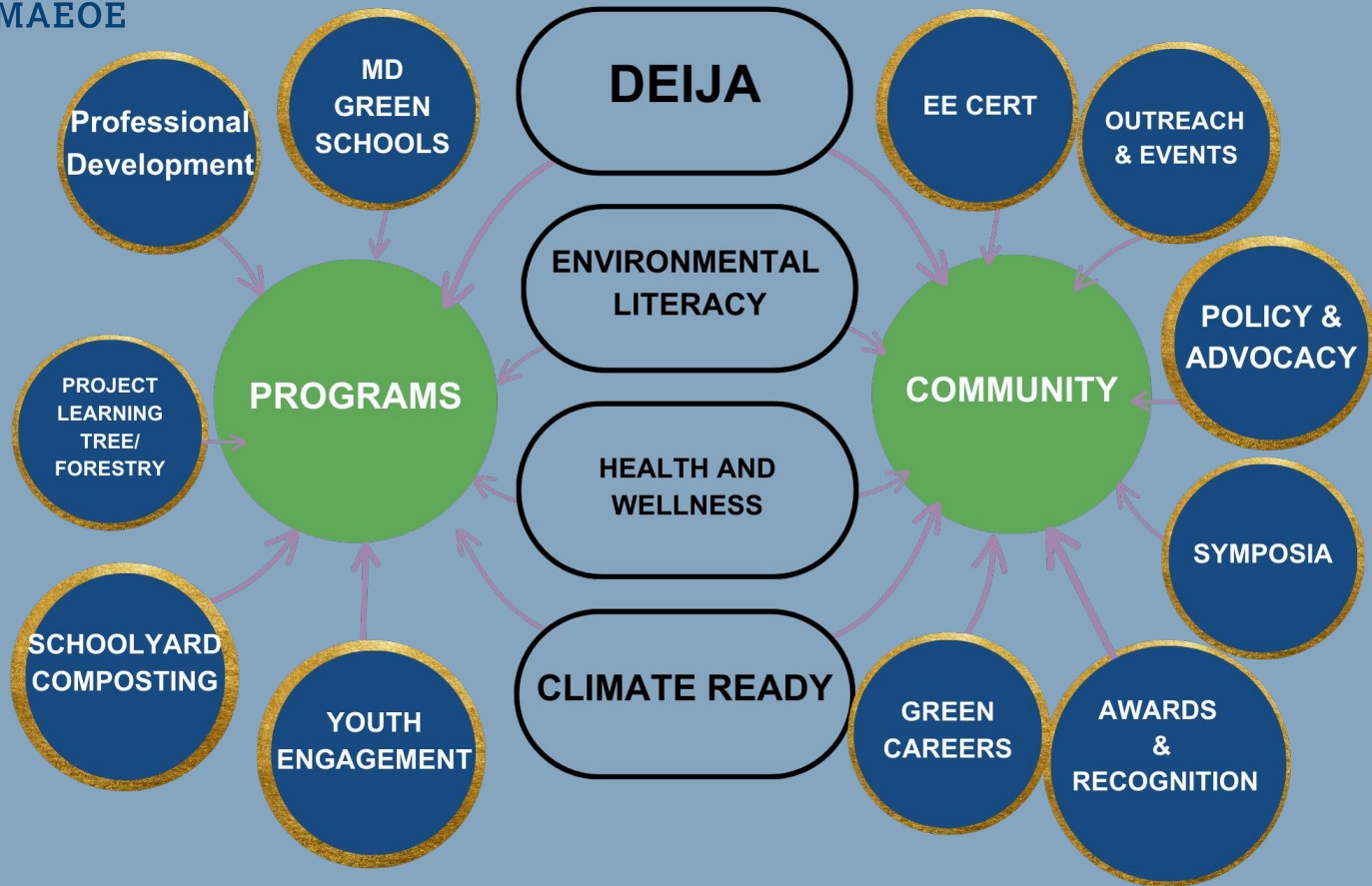


Scan Here for Full Resolution



MAEOE

WAYS TO EXPERIENCE MAEOE



Today's Goals

- Understand Maryland Green Schools Program's goals and impacts
- Become familiar with the Green Schools application requirements
- Brainstorm ideas for your Green School application

Agenda

1. Green Schools Program Overview
2. Getting Started
3. Completing the Application: Best Practices
4. School Metrics Survey
5. Objectives 1, 2 and 3
6. Contact MAEOE

What you are doing.

**What you'd like to
do.**

Questions.

Nationally recognized, the Maryland Green Schools Award Program (MDGS) allows schools and their communities to evaluate their efforts in environmental sustainability.



**Benefits of
Becoming a
Green School**

**Evaluation
of Green
Initiatives**

**Extensive
Partnership
Network**

**Connections
to Standards**

**Supports
Social/
Emotional
Development**

**Recognition
and
Distinction**

**Increased
Academic
Achievement**

**Students
Become
Stewards**

Wh

ool?



Green School Benefits: Testimonials from PGCPS

Green Schools....

Promote environmental stewardship

Take actions towards environmental sustainability

Empower youth

Receive instructional support



Environmental Literacy In Maryland

Students who are environmentally literate:

Possess the **knowledge, intellectual skills, attitudes, experience, and motivation** to make and act upon responsible environmental decisions as individuals and members of their communities.



2014 Chesapeake Bay Watershed Agreement

1. Environmental Literacy
2. Student Outcome (MWEE)
3. Sustainable Schools

Code of Maryland Regulation 13A.04.17(COMAR)

1. Every student graduates from high school environmentally literate.
2. Environmental literacy in Maryland includes both in-school and unstructured experiences for varied audiences.

Environmental Education Vision

2014 Chesapeake Bay Watershed Agreement

1. Environmental Literacy
2. Student Outcome (MWEE)
3. Sustainable Schools

Code of Maryland Regulation 13A.04.17(COMAR)

1. Every student graduates from high school environmentally literate.
2. Environmental literacy in Maryland includes both in-school and unstructured experiences for varied audiences.



MDGS School Statistics



2022-2023 SY

Water Conserved	360,683 gal
Rain Garden/Bio-retention area planted	116,578 ft ²
Stream Bank Planting	31,480 ft ²
Stream Cleaning	50,220 ft
Energy Use Reduction	177,227,256 kwh
Green Energy Used	1,996,198 kwh
Recycled Materials	3,061,015 lbs
Created Native Habitat	1,498,156 ft ²
Created/installed bird houses	499 houses
Native Plants (shrubs and trees)	2,722 plants
Invasive Plant Removal	806,745 ft ²
Outdoor Classroom	691 classrooms
Outdoor Environmental Art	1,490 pieces
No-idling Zone	54 schools
Plants for indoor air quality	5,476 plants
Edible Garden	13,175 ft ²
Outdoor running events and environmental festivals	501 events

Working Together

Green Schools & Center Work Together to:

- Encourage student actions
- Engage community in school activities
- Engage schools in center activities
- Complete application requirements



Getting Started

1. Contact a Green Center or Green Leader.
2. Make a list of green activities.
3. Read the [Application Guide](#) and [Portal Guide](#).
4. Review the [FAQs](#).
5. Review the [Application Timeline](#).
6. [Review example](#) applications.





Maryland Green Schools Application



Application Guide
<https://tinyurl.com/muzrk74a>

Green Schools Application:

Application Period:

- NEW School: 2 years
(Fall 2022- Spring 2024)
- RECERTIFYING: 4
years
(Fall 2020- Spring 2024)

Complete on the Online Portal:

- **\$75 ITA Fee:** Due December 15, 2023
- **School Summary**
- **Top 5 Accomplishments**
- **Goals:** (*applications 4, 5 and beyond only*)
- **School Metrics Survey**
- **Objectives 1, 2 and 3**

Application Submission Window:

December 15, 2023- March 1, 2024

Applications Due 3/1/2024!

NEW THIS YEAR! Application Submission Window

RECERTIFYING SCHOOLS have the option to submit their application during the **December 15, 2023 - March 1, 2024** submission window.

- **Future actions:** capped at two events/actions and require a letter or email from an administrator stating the action is planned and will be executed.
- **Current school year** actions and instruction must be shown.
- **No early announcement:** Announcements for all successful schools will be Earth Day regardless of when the application is submitted.

NEW SCHOOLS are not eligible to submit before March 1.

Best Practices

- Collaborate! Collaborate! Collaborate!
- Find a collection system that works:
 - Shared folder, multiple user accounts on portal, etc.
- Detailed descriptions
- Environmental and sustainability-focused
- Documentation is key!

STRONG Documentation

Photos- *active participation*
 Student work/reflections
 Dated correspondence
 Agendas
 Certificates of attendance

Captions for all documentation are required!!

Photo



Students building the bird houses.

Staff Meeting Agenda

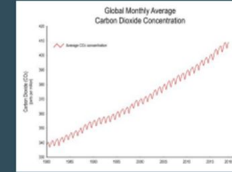
Time and Topic:	Attendees:	Location
12:30-3:30 CPR Training	KCHS Administration (Hemstetter, Pretlow, Rivello, Collins) LaToya Johnson Amber Britt School Counselors (Miller, Jenkins) Scott Metzbowser Kevin Nelson Michelle Phillips	Cafeteria
1:00-1:40 Prep for afternoon meetings	All Staff	Departments
1:45-2:15 Grading Expectations and Trojan Time	All Staff	Media Center
2:15-2:30 Green Schools Presentation	All Staff Jackie Doerr	Media Center
2:30-3:40 Departments Math- IM planning Science- Green Schools App ELA- Vetting Process for MSDE Units Social Studies- Writing SLO grading/data analysis CTE- SLO planning Fine Arts- SLO planning Phys Ed- SLO planning Foreign Lang- SLO planning SPED - SLO planning	All Staff	Departments

Agenda of the 1/25/23 Greenschools Meeting.

Student Work Sample

Problema:

Los coches queman fuelles fósiles y crear polución, de dióxido de carbono. Dióxido de carbono es un gas de la invernadero y causar el calentamiento global.



Los emisiones de dióxido de carbón típico para **los coches es 6 tonelada por año.**

Esta aproxima **272.48 millón coches en el USA.**

En total, los coches producen **1,634,880,000 tonelada de dióxido de carbón por año**

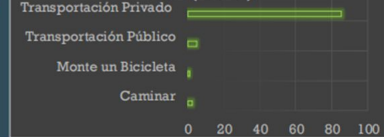
Solucion:

No usar transportación privado. Su puede usar el transporte publico, monte en una bicicleta o caminar.

Plan:

Incentivar personas a usar los formas de transportación publico y beneficioso a la medio ambiente. Los personas puede documento cuanto estos usar otros formas de transportación, y conseguir un regla de la gobierno. Esta un solución a cambio climático por que menos personas ir a usar coches, tan menos dióxido de carbón se producen.

Tipos de Transportación en USA (2016)



Example of infographic created by students about climate change in Spanish class.

WEAK Documentation

Do Not Include:



Photos of a project without students OR without student action being evident.



Partner's Logos

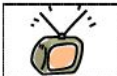













Web Images

Name: _____ Date: _____

Electricity sort
Cut and paste the objects into the correct column.

Uses Electricity	Does not use Electricity

Lesson Plans/ Blank Worksheets

School Metrics Survey

- Quantify impacts of green actions
- Align with sustainability practice categories (Obj. 2)
 1. Water Conservation/ Pollution Prevention
 2. Energy Conservation
 3. Solid Waste Reduction
 4. Habitat Restoration
 5. Structures for Environmental Learning
 6. Responsible Transportation
 7. Healthy School Environment
 8. Community/ Citizen Science

Tip:

Complete school metrics survey **LAST** using information from the application.

Overview of Application Objectives



Objective 1

Systemic Sustainability

Schools participate in environment issue instruction, professional development and behavior change to promote environmental education and sustainability.



Objective 2

Student-Driven Sustainability Practices

Student environmental actions and practices are planned, implemented, and/or led by students.



Objective 3

Community Partnerships

Community partnerships help schools to build successful, long-term sustainable practices.

Objective 1: Systemic Sustainability

Objective 1: Curriculum and Instruction

1.1 Environmental Issue Instruction

Elementary/MS: instruction in all grades. HS: instruction in at least 4 subjects

1.2.1 Professional Development – Full Staff Awareness

All staff know of MAEOE Green School Application

1.2.2 Professional Development – 10% of teaching staff with recent environmental education

At least 10 % have environmental education professional development within the last 4 years; 2 years if it is your FIRST application

1.2.3 Additional Professional Development (Optional)

Professional development older than 4 years

1.3.1 Sustainable Schools – School Wide Environmental Behavior Change

At least one non-student driven practice

1.3.2 Sustainable Schools – Systemic Partnership

At least one partnership with your school district central office

1.4 Celebration

School-wide event

Objective 1.1: Environmental Issue Instruction

Demonstrate that outdoor, environment-based instruction is occurring through hands-on, authentic lessons on environmental issues.

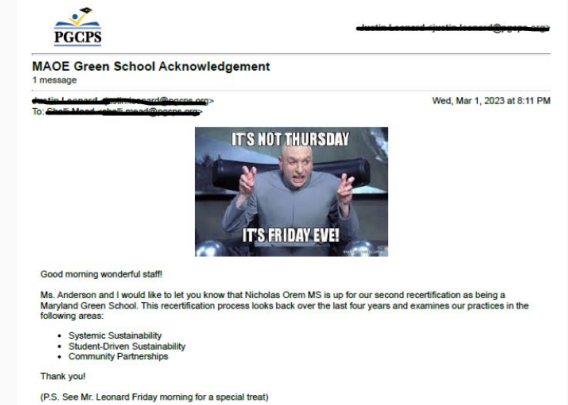
- ES/MS: one example of instruction/grade
- HS: one example of instruction in *at least 4* subject areas



Objective 1.2: Professional Development

Demonstrate that all school staff know about the MAEOE Maryland Green School application, AND that staff is actively preparing to support your school district's environmental literacy plan.

- 1.2.1 All staff is aware of the Green School application process
- 1.2.2 Teaching staff must participate in EE PD (minimum of 10% of teachers)
- 1.2.3 Additional Professional Development (Optional)



Objective 1.3.1: School-Wide Environmental Behavior Change

Behavior changes that promote sustainability and are brought about through non-student driven practices.

Examples:

- Staff car-pooling initiatives
- Installation of energy efficient lighting
- Paper-use reduction through electronic communication and double-sided copying



Drinking Fountain/Water Bottle Refilling Station



Objective 1.3.2: Systemic Partnership

Demonstrate one partnership *within the school system* that supports an aspect of MD Green School Program. This partnership must be beyond your individual school.

- Partnerships: Physical Facilities, Sustainability Office, Food and Nutrition Services
- Examples: waste reduction plan support by sustainability office/physical facilities, environmentally-focused event organized and run by a district office, etc.

Maryland's Largest School District

MONTGOMERY COUNTY PUBLIC SCHOOLS

MCPS Form 201-10
September 2021
Page 1 of 2

DSC USE ONLY Date Received ___/___/___ Method E-mail Pony Fax Hand-delivered

Sustainability Action Plan

Division of Sustainability and Compliance (DSC)
MONTGOMERY COUNTY PUBLIC SCHOOLS (MCPS)
45 W. Gude Drive, Suite 4000, Rockville, Maryland 20850

INSTRUCTIONS

This form is to be completed and submitted by each school on or before September 30 of each year. Fully completed forms may be returned to Division of Sustainability and Compliance (DSC) via e-mail to Sustainability@mcpsmd.org, PONY, fax, or hand delivery. Please complete electronically or print clearly.

SCHOOL INFORMATION

School Flora M. Singer ES - 770

School Recycling Coordinator Natalie Gracias

SUSTAINABILITY AT YOUR SCHOOL



Objective 1.4: Celebration

Demonstrate celebration from at least one school-wide, annual environment event.

Examples:

- Community/family event celebrating accomplishments
- Participating in Earth Day celebration
- International Walk-to-School Day



Any questions about Objective 1?

Objective 1: Curriculum and Instruction

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1.2.2 Professional Development – 10% of teaching staff with recent environmental education

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Professional development older than 4 years

1.3.1 Sustainable Schools – School Wide Environmental Behavior Change

At least one non-student driven practice

1.3.2 Sustainable Schools – Systemic Partnership

At least one partnership with your school district central office

1.4 Celebration

School-wide event

Objective 2: Student-Driven Sustainability Practices

Objective 2: Student-driven Sustainability Practices

NEW: Eight actions in three or more categories.

2.1 Water Conservation/Water Pollution Prevention

2.2 Energy Conservation

2.3 Solid Waste Reduction

2.4 Habitat Restoration

2.5 Structures for Environmental Learning

2.6 Responsible Transportation

2.7 Healthy School Environment

2.8 Citizen Science / Community Science

Meeting the Objective 2 Requirement: Examples

Eight actions in three or more categories.

Example 1	Example 2	Example 3
<p>2 actions in Obj 2.1 3 actions in Obj 2.2 3 actions in Obj 2.4</p>	<p>1 action in Obj 2.1 1 action in Obj 2.2 1 action in Obj 2.3 1 action in Obj 2.4 1 action in Obj 2.5 1 action in Obj 2.6 1 action in Obj 2.7 1 action in Obj 2.8</p>	<p>2 actions in Obj 2.3 2 actions in Obj 2.5 2 actions in Obj 2.6 2 actions in Obj 2.8</p>
<p>8 ACTIONS 3 PRACTICES</p>	<p>8 ACTIONS 8 PRACTICES</p>	<p>8 ACTIONS 4 PRACTICES</p>

Objective 2.1: Water Conservation/Pollution Prevention

Indoor and outdoor water usage and pollution prevention:

- Rain gardens
- Storm drain stenciling
- Install, paint, and/or use rain barrels
- Litter clean-up while learning about protecting waterways
- Conduct erosion control projects
 - Installing riparian buffer zones; planting trees



Objective 2.2: Energy Conservation

Identify and implement solutions to reduce energy use:

- Student-made reminders to turn off lights and devices
- Classroom jobs to save energy
- Calculate school's carbon footprint and take action to reduce footprint
- Research and share “Energy Saving Tips” on morning announcements.



Objective 2.3: Solid Waste Reduction

Resource use, waste disposal and waste management:

- Recycling drive for ink cartridges, cell phones
- Set up outdoor composting
- Create labels for recycling stations
- No-waste lunch days
- Upcycling artwork



Objective 2.4: Habitat Restoration

Native plant and animal habitat restoration:

- Plant native trees/shrubs/perennials
- Install bird, butterfly, or bat boxes
- Remove invasive species
- Construct oyster reef habitat balls



Objective 2.5: Structures for Environmental Learning

Use of structures for environmental learning:

- Informational signage
- Tree/plant identification
- Outdoor classrooms
- Create/maintain vegetable gardens

Objective 2: *Student Driven Sustainability Practices* 2.5 Structures for Environmental Learning

Title of Activity: Building

Raised Garden Beds

Date: May 2022

Teacher Name: Mrs. Novick

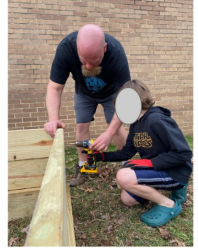
Grade: 6th - 8th graders

Brief Description of

Structures for

Environmental Learning

Action: Mr. Harding with Camp Schmidt and KMS students built and repaired raised garden beds at the school. Signs were later added.



Repaired raised garden bed.

Objective 2.6: Responsible Transportation

Promote sustainable transportation practices:

- Carpooling programs
- Create signage for no-idle zones
- Analyze carbon footprint using schoolyard report card
- Go on walking field trips or use public transportation
- Attend the annual “Walk to School” day



Objective 2.7: Healthy School Environment

Promoting healthy changes and choices:

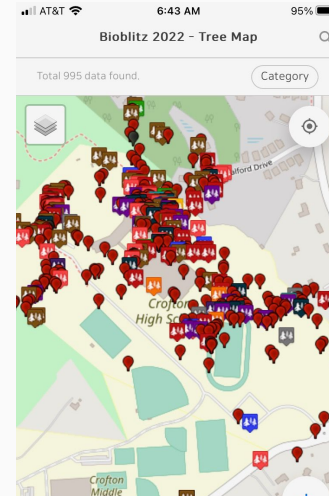
- Promote the use of indoor plants
- Create or promote natural cleaners
- Participate in healthy local foods programs
- Organize an outdoor running or health club



Objective 2.8: Community/Citizen Science

Practice aspects of community and citizen science, or participate in projects:

- Share the purpose and data of a project
- Find solutions to water runoff
- Collect data and submit the data online
- Take surface temperature measurements and demonstrate positive impact of shade from trees and other vegetation



Any questions about Objective 2?

Objective 2: Student-driven Sustainability Practices

NEW: Eight actions in three or more categories.

2.1 Water Conservation/Water Pollution Prevention

2.2 Energy Conservation

2.3 Solid Waste Reduction

2.4 Habitat Restoration

2.5 Structures for Environmental Learning

2.6 Responsible Transportation

2.7 Healthy School Environment

2.8 Citizen Science / Community Science

Objective 3: Community Partnerships and Special Recognition

Objective 3: Community Partnerships, Awards, and Special Recognition

3.1.1 School active in the community

At least 1 ongoing, sustained partnership where the school is active in the community with a partner

3.1.2 Partner active in the school

At least 1 ongoing, sustained partnership where a partner is active in the school (can be same partner as 3.1.1)

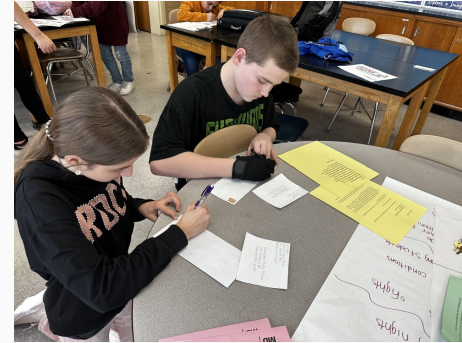
3.2 Awards and Special Recognition (Optional)

Describe any awards received for greening activities

Objective 3.1.1: School Active in the Community

Actions and projects that support/ involve the community completed *with* partnership support.

- Off-site environmental service projects
- Used-clothing drives
- “Terrapins in the Classroom” project
- Fundraiser for environmental projects
- Letter writing campaign
- Green Festivals



Objective 3.1.2: Partner Active in the School

Outside partner comes into the school to support initiatives or provide additional educational opportunities.

- Green Leader comes into the school
- Partner comes in to help with an environmental project
- Receive a grant for a school environmental project
- Environmental speaker visits



Objective 3.2 Awards and Recognition (*Optional*)

Awards or recognitions for sustainable practices or promoting awareness of environmental issues

- Examples:
 - LEED Certification
 - National Award (i.e., Green Ribbon, Eco-Schools USA)
 - Specific student/group recognition



Any questions about Objective 3?

Objective 3: Community Partnerships, Awards, and Special Recognition

3.1.1 School active in the community

At least 1 ongoing, sustained partnership where the school is active in the community with a partner

3.1.2 Partner active in the school

At least 1 ongoing, sustained partnership where a partner is active in the school (can be same partner as 3.1.1)

3.2 Awards and Special Recognition (Optional)

Describe any awards received for greening activities

What happens after I submit the application?

1. Reviewed by three reviewers
2. If there are any questions or concerns, MAEOE will contact you to make any necessary changes
3. Announcements made on Earth Day, Monday April 22, 2024.

Fall Transportation Funding Available!

Eligibility Requirements:

- Any public or private Maryland school can apply.
- Any non-profit organization working with a school can apply.
- One grant will be awarded per school and/or organization.
- Both a school and an organization cannot apply for funds to cover the same field experience.
- Your school principal/administrator must know you are applying for transportation funds.
- Field experience **MUST** occur in Maryland.

Funding Guidelines:

- The travel for the field experience must occur on or before 12/1/2023.
- Limited funds are available. Awards will be granted on a rolling basis until all funds are allocated.
- An award agreement must be reviewed and signed.
- A final report must be submitted by 12/8/2023.

Distribution of Funds

- A final report must be submitted with a detailed budget, proof of payment (*e.g., evidence of paid invoice to bus company*) by the school to the transportation company, and receipts for any other approved field experience expenses.
- The school will be reimbursed by MAEOE after the final report is reviewed and approved.



Apply Here:

<https://www.surveymonkey.com/r/8J76FH8>

Upcoming Events

Green School Application Virtual Portal Training:

9/27 and 10/26, 4:00- 5:00 pm

Green School and Center Application Question Office Hours:

10/4, 10/10, 10/30 and 11/9, 3:30- 5:00 pm

Intent to Apply Due

December 15, 2023

MAEOE Conference

Towson Sheraton, Towson, MD

February 8-11, 2024

Maryland Green Schools Youth Summit:

Sandy Point State Park

Thursday, May 30, 2024



More Info Here:

<https://tinyurl.com/3tjwj254>

Contact Info

For Green School application questions, email:

applications@maeoe.org.

For funding questions, email:

grants@maeoe.org

Click on the link in the chat or scan the QR code if you haven't signed in yet.

This helps us with our required reporting for the State Appropriation Funding we receive.



<https://forms.gle/kL2EjGQ9r5eLpBdX8>

