

Welcome

Welcome to the Resource Guide for Going Green in City Schools! This guide is a directory of resources to help make your school a greener and healthier. The resource guide is divided into 8 sections and covers the action teams of the Baltimore Green Schools Network in addition to local funding resources.

Baltimore Green Schools Network

The Baltimore Green Schools Network supports and advances opportunities for school communities to build understanding and to take action to further green and healthy learning and living. We are a network of students, administrators, community partners, parents and teachers working together. The Baltimore Green Schools Network develops both sustainability projects and partnerships in seven categories of work:

- 1) Green Teaching
- 2) Learning to Work Green
- 3) Student Environmental Leadership
- 4) Family and Community Engagement
- 5) Sustainable and Healthy Food Systems
- 6) Sustainable Facilities
- 7) Schoolyard Greening

These areas of work result in action on both the school system level and the individual school level, involving teachers, local school administrators, and community partners.

For more information, visit the Learning Green website at <http://www.greatkidsupclose.org/green>





Sustainable & HEALTHY FOOD SYSTEM resources

Sustainable and Healthy Food Systems

The purpose of the Sustainable Food System Action Team is to improve collaboration between community organizations and educators throughout Baltimore in order to increase access to healthier foods in Baltimore City Public Schools. There is already a tremendous amount of work being done in Baltimore city by these organizations, and the Action Team serves as an opportunity to increase communication and streamline efforts in the schools related to healthy eating.

For more information on the Sustainable and Healthy Food Systems Action Team or to get involved, email Jamie Nash, Food Access Coordinator at Jamie.Nash@baltimorecity.gov.

Baltimore Food Policy Initiative

The Baltimore Food Policy Initiative (BFPI) is an inter-governmental collaboration with the Department of Planning, Baltimore Office of Sustainability, Baltimore Development Corporation and the Baltimore Health Department. The goal of BFPI is to increase access to healthy affordable foods in Baltimore City food deserts.

<http://www.baltimore.gov/Government/AgenciesDepartments/Planning/BaltimoreFoodPolicyInitiative.aspx>

Days of Taste

Days of Taste is a discovery-based program for fourth grade students that introduces children to the elements of taste and teaches them how food travels from farm to table. The program brings together professional chefs, farmers and community volunteers with students to encourage children to appreciate and enjoy the taste and benefits of fresh food, ultimately leading to healthier food choices. The Days of Taste program at each school is three mornings, generally one week apart.

Days of Taste is designed to support the National core curriculum standards for fourth grade. The program is provided by The American Institute of Wine & Food (AIWF, a not-for-profit 501c3 organization) at no cost to schools.

aiwfbaltimore@yahoo.com

http://www.aiwf.org/baltimore/days_of_taste.html

Fresh Fruit and Vegetable Program

Over 80 Baltimore elementary schools participate in the USDA's Fresh Fruit and Vegetable Program. Program funding is provided by the USDA and administered by the Maryland State Department of Education. The FFVP provides reimbursement for fresh fruit and vegetable snacks in elementary schools with a high percentage of low-income students. Served outside of the National School Lunch and School Breakfast Programs, the snacks allow students to try a wide variety of fruits and vegetables they may not otherwise be exposed to.

Contact City Schools Food & Nutrition Services at 410-396-8755 or Maryland State Department of Education School & Community Nutrition Programs Branch for more information at 410-767-0214

http://www.msde.md.gov/MSDE/programs/schoolnutrition/nutr_prog/FFVP.htm

Great Kids Farm

Great Kids Farm provides opportunities for Baltimore City school students to understand and participate in every aspect of food preparation – from seed to fork – and prepares them to lead 21st century sustainability efforts. Great Kids Farm is a sustainable farm owned and operated by Baltimore City Public Schools. It offers programs that educate students about healthy eating, organic farming and natural sciences. Teachers are encouraged to contact the farm about materials for school gardens and about finding or tailoring a program to

meet classroom needs.

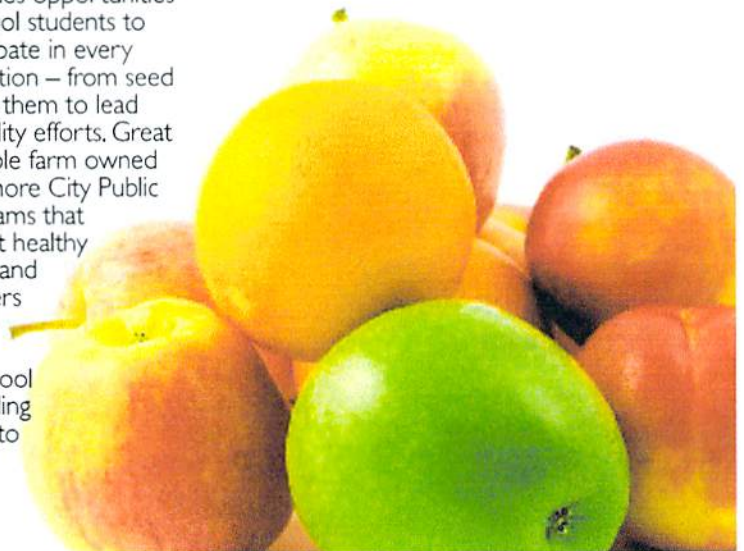
Beth Mathie
Farm Educator
BMathie@bcps.k12.md.us

Greg Strella
Great Kids Farm Manager
GTStrella@bcps.k12.md.us
<http://www.greatkidsfarm.org>

Get Fresh Baltimore

The Get Fresh Baltimore campaign enhances awareness, action and engagement of children and adults to increase access to healthy affordable food in Baltimore. Get Fresh Baltimore in the schools teaches food media literacy and aims to develop critical thinking skills regarding the influence of media on food choices. In partnership with the University of Maryland Extension Food Supplement Nutrition Education (FSNE) program, 2000 students at four elementary schools analyzed food ads, created their own fruit and vegetable ads, prepared a recipe, and participated in the FSNE "Read for Health" program.

<http://www.getfreshbaltimore.com/>



HealthCorps Baltimore

HealthCorps is an organization building a movement to fight childhood obesity. Using peer-mentoring to deliver an experiential curriculum in nutrition, fitness and mental strength, HealthCorps Coordinators give teens purpose, help develop human character and inspire an interest in health and culinary arts careers. Their three priorities are educating students, creating a fit town, and advocacy.

info@healthcorps.org
<http://www.healthcorps.org/schools/current-schools/MARYLAND>

Johns Hopkins Center for a Livable Future

Through the Curricula Development Project, the Center for a Livable Future joins with experts and partner organizations to produce innovative, effective and scientifically accurate teaching materials. These materials are designed to educate students at different levels about the relationships between food systems and public health, the health and environmental impacts of industrial agriculture and the importance of transitioning toward more sustainable food and agricultural systems.

<http://www.jhsph.edu/research/centers-and-institutes/johns-hopkins-center-for-a-livable-future/education/curricula/>

Let's Move! Salad Bars to Schools

Let's Move Salad Bars to Schools is a comprehensive grassroots public health effort to mobilize and engage stakeholders at the local, state and national level to support salad bars in schools. The goal of Let's Move Salad Bars to Schools is to fund and award 6000 salad bars by the end of 2013.

<http://saladbars2schools.org/>

Maryland 4-H Youth Development

4-H gives young people opportunities to follow their own interests through

4-H projects ranging from photography to model rocketry, from dogs to horses, from foods to fashions, from robotics to the environment and more.

Cory Bell
4-H Youth Development
cbell@umd.edu
<http://www.maryland4h.org/>

Maryland Hunger Solutions

Maryland Hunger Solutions works to address the issue of childhood hunger in your community. Maryland Hunger Solutions can help you and your organization navigate the barriers with the federal child nutrition programs and develop solutions that enable you to maximize participation. They can help develop and implement strategies for direct outreach to your community to increase awareness of the availability of child nutrition programs.

Valerie Zeender
Nutrition Associate
vzeender@mdhungersolutions.org
<http://www.mdhungersolutions.org/>

The Maryland Food System Map Project

The Center for a Livable Future (CLF) has been developing a food system mapping tool and database to examine the current landscape of Maryland's food system from farm to plate, and to inform activities aimed at strengthening that system. It includes farms producing food, processors, distributors, retail food outlets and institutions like schools and hospitals. More detailed information is presented for the Baltimore City region to examine availability of and access to healthy foods. This project provides information that will help people better understand their local food system and how it works.

http://www.jhsph.edu/research/centers-and-institutes/johns-hopkins-center-for-a-livable-future/projects/food_system_mapping/

Maryland State Department of Education School & Community Nutrition Programs Branch

<http://www.eatsmartmaryland.org>

Real Food Farm

Real Food Farm offers Baltimore-area students opportunities for hands-on learning on our six-acre urban farm. Programs available include field trips, service learning, workshops, middle school farm club, class-based farm lab, and high school internships.

Molly McCullagh
Education Coordinator
rffeducation@civicworks.com
(410)366-8533 ext. 203
<http://www.realfoodfarm.org/>

University of Maryland Extensions – Food Supplement Nutrition Program

Food Supplement Nutrition Education (FSNE), a program of University of Maryland Extension, is designed to help individuals and families choose healthy food, increase physical activity and make maximum use of limited resources. FSNE collaborates with community partners throughout Maryland to provide nutrition education for those receiving or eligible for SNAP benefits (Supplemental Nutrition Assistance Program, formerly Food Stamps). In Baltimore City, FSNE is working with 14 elementary schools and will also train teachers to integrate nutrition education into their classroom activities for MSDE credit.

Download the Growing Healthy Habits curriculum for free: <http://www.fsne.org>

Lisa Gonzalez
lisacgo@umd.edu
or
Lainie Morgan
410-771-1761
lamorgan@umd.edu
<http://extension.umd.edu/nutrition/index.cfm>

USDA's Food Safety Tips for School Gardens

http://www.fns.usda.gov/cnd/Guidance/foodsafety_schoolgardens.pdf

What's Good in My Hood?

What's Good in My Hood? is an innovative service-learning workbook that leads users through a 5-unit investigation of their neighborhood. Each unit asks questions that lead to answers about what is and what is not good in their neighborhood and how it affects the food, water, and shelter sources they depend on to survive. The resources in this book give users a platform to create a plan of action based on their findings.

New York Restoration Project
at 212-333-2552 to order more
copies

or

Akiima Price

akiima@apriceconsulting.com

http://www.nyrp.org/Kids_Parents_Teachers/Whats_Good_In_My_Hood_

Baltimore City Contacts

Holly Freishtat, CN, MS
Baltimore City Food Policy
Director
410-396-9509
holly.freishtat@baltimorecity.gov

Jamie Nash
Food Access Coordinator
410-396-4359
Jamie.Nash@baltimorecity.gov



Sustainable
FACILITIES
resources

Sustainable Facilities

The Sustainable facilities group is focused on building awareness of the impact of the built environment in education. Looking beyond just bricks and mortar at the design, operation and maintenance of the facilities and aim to also connect that knowledge to curriculum. By investigating and promoting the design of green schools, we hope to make a tremendous impact in student health, school operation, operational costs, the environment and in the choices we all make.

For more information on the Sustainable Facilities Action Team or to get involved, email Chris Parts, Principal LEED Architect at CParts@hcm2.com.

Baltimore Energy Challenge

In 2009 the Office of Sustainability, in partnership with the Baltimore Community Foundation, launched the Baltimore Energy Challenge (BEC). The program works with schools, community groups, neighborhood volunteers, and city residents to spread knowledge, motivation, educational resources and programming to help Baltimore communities save energy and money.
Facebook: Baltimore Neighborhood Energy Challenge
Twitter: @WattsNewBmore

Susan Carroll
410-927-6088

scarroll@baltimoreenergychallenge.org
<http://www.BaltimoreEnergyChallenge.org>

The Center for Green Schools

The Center for Green Schools engages educators in creating sustainable learning environments for their students and applying solid research to inform leadership about the benefits of healthy, high-performing schools. The Center serves to convene conversations with key decision makers, collaborate with leading education and environmental associations and create tools and resources that help make green schools possible.

Contact:

Anisa Baldwin Metzger
School District Sustainability
abalwinmetzger@usgbc.org
<http://centerforgreenschools.org/home.aspx>



Energy Star Portfolio Manager

The Energy Star Portfolio Manager is an interactive energy management tool that allows you to track and assess energy and water consumption across your entire portfolio of buildings in a secure online environment. Whether you own or manage buildings, Portfolio Manager can help you identify low performing portions of a building, verify efficiency improvements, and receive EPA recognition for superior energy performance.

http://www.energystar.gov/index.cfm?c=evaluate_performance.bus_portfoliomanager

EnviRelation – Composting Services

EnviRelation provides food composting collection services to schools and other food waste producers. EnviRelation will compost any organic matter, including meat, bones, fish and other proteins, paper, waxed paper, waxed cardboard and biodegradable packaging materials, as well as fruits, vegetables and grains. EnviRelation's services allow schools to reduce waste disposal costs. The company also provides extensive implementation support geared towards academic audiences of all ages.

info@envirelation.com
<http://www.envirelation.com>

EPA - Healthy School Environments

The healthy school environments web site is designed to provide access to the many programs and resources available to help prevent and resolve environmental issues in schools.

<http://www.epa.gov/schools/>

EPA Tools for Schools - Indoor Air Quality (IAQ)

EPA developed the "Indoor Air Quality Tools for Schools" to reduce exposures to indoor environmental contaminants in schools through the voluntary adoption of sound and effective IAQ management practices. These resources are designed to help schools create and maintain healthy indoor learning environments by identifying, correcting and preventing common issues.

<http://www.epa.gov/iaq/schools/>

EPA Integrated Pest Management (IPM) in Schools

EPA is helping schools understand and implement IPM by distributing printed publications and supporting projects that demonstrate variable and sustainable school IPM programs.

<http://www.epa.gov/pesticides/ipm/>

The Greater Baltimore Asthma Alliance: Asthma-Friendly Schools Initiative

The Asthma-Friendly Schools Initiative is a program of the Greater Baltimore Asthma Alliance and the American Lung Association. The initiative is a planning tool based on real-life activities that have been used in schools throughout the United States to create comprehensive asthma management systems. Participating schools are awarded for their progress.

<http://www.baltimoreasthma.org/index.php?page=asthma-friendly-schools-initiative>

Healthy Homes & Communities

The Healthy Homes bureau aims to address home-based factors that are major sources of health hazards and chronic health issues. The Healthy Homes bureau provides education and remedies for shelter situations that significantly detract from a person's quality of life or increase the likelihood of health issues. Programs include: Childhood Asthma, Safe Pest Management, Childhood Lead Poisoning Prevention, Injury Prevention, Home Environmental Health, Integrated Pest Management trainings.

Margret Schnitzer, MSW
Partnerships Manager, Asthma
Program 410-396-3896
margret.schnitzer@baltimorecity.gov
<http://www.baltimorehealth.org/healthyhomes.html>

Healthy Schools Campaign

The Healthy Schools Campaign advocates for policies and practices that allow all students, teachers and staff to learn and work in a healthy school environment. Areas of work include: Food & Fitness, Environmental Justice & Health Disparities, Environmental Health, School Nursing, and Policy Initiatives.

<http://www.healthyschoolscampaign.org/>

Healthy Schools Network, Inc.

Healthy Schools Network, Inc., is a leading national voice for children's environmental health at school and a not-for-profit environmental health organization. Founded in 1995, they launched the national healthy schools movement with comprehensive state policies and a model coalition that have been shared and replicated widely since 1997. Visit the network's Healthy Schools/Healthy Kids Clearinghouse of fact sheets and guides for parents and others on topics such as molds, chemical spills, air quality, green cleaning, dry erase markers, at

<http://thehealthyschools.org/clearinghouse.html>

info@healthyschools.org
<http://www.healthyschools.org/>

Retrofit Baltimore

Retrofit Baltimore, a project of the non-profit Civic Works, serves as a resource for the community and provides information about the potential for energy retrofits to dramatically lower your energy bills, while making your home healthier, safer and more comfortable.

410-929-6139
info@retrofitbaltimore.org
<http://www.retrofitbaltimore.org/>

School Recycling: A How-To Guide for Baltimore City Public Schools

A guide on how to recycle in Baltimore City Public Schools.

<http://www.baltimorecityschools.org/cms/lib/MD01001351/Centricity/Domain/5196/RecyclingHowToGuide-Updated.pdf>

School Recycling Pickup Schedule

A complete listing of Department of Public Works' recycling pickup schedule for individual schools.

<http://www.baltimorecityschools.org/cms/lib/MD01001351/Centricity/Domain/5196/RecyclingSchedule.pdf>

Sustainable Maryland Schools: Assessment Study and Action Plan

This guide examines how Maryland schools - their buildings, site, operations and maintenance - can be in better alignment with the challenge of creating greener schools and fostering responsible world citizens. Although this document is based on typical schools - it can be used as a guide to create and start your school's unique path to sustainability.

Lisa Ferretto
Architect, Associate, and
Sustainability Coordinator with
Hord Coplan Macht, Inc.
LFerretto@HCM2.com
<http://www.hcm2.com/resource/sustainable-maryland-schools-asap-assessment-study-and-action-plan/>

U.S. Green Building Council

The U.S. Green Building Council (USGBC) is committed to a prosperous and sustainable future through cost-efficient and energy-saving green buildings. USGBC resources include: LEED certification, Greenbuild International Conference & Expo, Government Advocacy, Education, and 79 Regional Chapters.

<http://www.usgbc.org/>

U.S. Green Building Council - Maryland Chapter

Established in 2004 as the Baltimore Regional Chapter, U.S. Green Building Council Maryland is a 501(c)3 non-profit organization committed to a prosperous and sustainable future for our state through cost-efficient and energy-saving green buildings. Their mission is to transform the way buildings and communities are designed, built and operated, enabling environmentally responsible, profitable and healthy places to live, work, learn and heal.

Beverly Eisenberg
Founding Board Member
beverly.eisenberg@verizon.net
<http://usgbcmd.org/>

Waste Neutral

Waste Neutral (WN) are service providers for the collection and composting of pre and post consumer food waste for restaurants, commercial properties, and institutions. WN provides sustainable waste management solutions for commercial and institutional applications by evaluating waste streams to determine if there are cost effective alternatives to divert needless waste from going to the landfill. Last year, Waste Neutral ran a composting program in 10 different City Schools.

info@wasteneutralgroup.com
<http://www.wasteneutral.com/>

Baltimore City Contacts

Susan Carroll
Baltimore Energy Challenge Program
410-927-6088
scarroll@baltimoreenergychallenge.org
<http://baltimoreenergychallenge.org>

Tiffany Walker
Recycling Office
Department of Public Works
Tiffany.Walker@baltimorecity.gov
<http://www.baltimorecity.gov/Government/AgenciesDepartments/PublicWorks/SingleStreamRecycling/CityGovernmentBusinessSchoolRecycling.aspx>



Schoolyard **GREENING** resources

Schoolyard Greening

The Schoolyard Greening Action Team is made up of community partners, teachers, and greening experts. The Team works to promote the greening of City Schools through developing resource guides and maintenance plans, streamlining major greening projects like asphalt removal, and supporting schools in becoming MAEOE Green School certified.

For more information on the Schoolyard Greening Action Team or to get involved, email Mary Hardcastle, Environmental Education Manager at mary.hardcastle@parksandpeople.org.

American Horticultural Society, Baltimore Contained Youth Gardening

http://www.ahs.org/youth_gardening/index.htm

Baltimore City Master Gardeners, UME

Baltimore City Master Gardeners are trained volunteers of the University of Maryland Extension, who are dedicated to helping the citizens of Baltimore City, Maryland. Master Gardeners offer many free services including: Youth education about gardening at public schools; Public speakers to talk on almost any gardening subject; Grow It Eat It classes; and Bay-Wise personal consultations and group presentations regarding safe landscaping practices to reduce harm to the Chesapeake Bay.

BaltimoreCityMG@gmail.com
<http://mastergardener.umd.edu/local/BaltimoreCity/index.cfm>

Baltimore Community Toolbank

The Baltimore Community ToolBank offers an inventory of tools—shovels, rakes, drills and so much more—to help nonprofit organizations, religious and educational institutions, community groups and their volunteers increase their impact. Only the third ToolBank in the country, the Baltimore Community ToolBank is part of a national movement to bring Tools for Change to Maryland.

Cassandra Champion
Executive Director
cassandra.champion@toolbank.org
<http://www.baltimore.toolbank.org/>

Baltimore Contained

Baltimore Contained offers solutions flowers and plants and vegetables and herbs suited to containers and small spaces; organic soils and fertilizers sized for the smallest or largest containers; materials that save water and lighten the weight of the planter.

http://www.baltimorecontained.com/Baltimore_Contained/Welcome.html

Blue Water Baltimore

Blue Water Baltimore's purpose is to use community based restoration, education, and advocacy to achieve clean water in Baltimore's rivers, streams, and harbor, so that citizens of the Baltimore region will enjoy a vibrant natural environment, livable neighborhoods, and a healthy, thriving Inner Harbor and Chesapeake Bay.

Blue Water Baltimore specializes in storm water management, asphalt mitigation, schoolyard habitat installations, tree installations, storm drain art, professional development and service learning opportunities for students of all ages.

Ashley Traut
Senior Program Manager,
Stormwater & Community
Outreach
Atraut@bluewaterbaltimore.org
<http://www.bluewaterbaltimore.org/>

Community Greening Resource Network (CGRN)

Established in response to the growing, city-wide need for long-term gardening

support, the Community Greening Resource Network (CGRN) is an annual membership program assisting individuals, community gardens, schools and green spaces throughout the City of Baltimore. CGRN is an inexpensive resource for schools seeking workshops, tools for their schoolyard projects, or free plant materials.

community.greening@parksandpeople.org
<http://www.parksandpeople.org/greening/resource-network>

Earth Box

An Earth Box is a portable container garden that uses less water and fertilizer. Earth Box can be used inside of classrooms or small areas and the company produces educational garden packages.

<http://www.earthbox.com>



Farm Alliance - Baltimore City

The Farm Alliance of Baltimore City is a network of producers working to increase the viability of urban farming and improve access to urban grown foods. We are united by practices and principles that are socially, economically, and environmentally just.

<http://www.farmalliancebaltimore.org/>

Great Kids Farm

Great Kids Farm provides opportunities for Baltimore City school students to understand and participate in every aspect of food preparation – from seed to fork – and prepares them to lead 21st century sustainability efforts. Great Kids Farm is a sustainable farm owned and operated by Baltimore City Public Schools. It offers programs that educate students about healthy eating, organic farming and natural sciences. Teachers are encouraged to contact the farm about materials for school gardens and about finding or tailoring a program to meet classroom needs.

Beth Mathie
Farm Educator
BMathie@bcps.k12.md.us

Greg Strella
Great Kids Farm Manager
GTStrella@bcps.k12.md.us
<http://www.greatkidsfarm.org>

National Fish and Wildlife Service, Schoolyard Habitat Project Guide

This Schoolyard Habitat Project Guide provides the basic steps needed to restore or create wildlife habitat. It is designed so that students complete several tasks that will lead to establishing a forest, meadow or wetland on school grounds.

<http://www.fws.gov/chesapeakebay/pdf/habitatguide.pdf>

Neighborhood Design Center

The Neighborhood Design Center works to improve neighborhood livability, viability and sustainability by

providing pro-bono design and planning services in support of community-sponsored initiatives. Volunteer architects, planners, landscape architects, engineers, and other design professionals donate their professional services to help groups in the initial stages of neighborhood revitalization efforts. An excellent resource for designing a schoolyard.

Jennifer Goad
Executive Director
Jgoad@ndc-md.org
<http://www.ndc-md.org/>

Parks and People Foundation

The Parks & People Foundation is dedicated to supporting a wide range of recreational and educational opportunities; creating and sustaining beautiful and lively parks; and promoting a healthy natural environment for Baltimore. Schoolyard greening resources include:
1. Schoolyard Habitat and Education Program (SHEP) serves as an extensive professional development program.

2. Project BLUE(Baltimore Lessons in Urban Ecosystems) serves middle school age children (6th – 8th grades) providing environmentally focused community service projects, academic study through research based projects and mentorship opportunities with professionals in the environmental sciences and natural resource fields. Schoolyard installations are often integrated into the curriculum.

3. Schoolyard installations: Parks & People can be contracted out for various schoolyard installations including nature play spaces, schoolyard gardens, and stormwater mitigation projects. They also conduct free tree plantings through the Tree Baltimore workgroup.

Mary Hardcastle
Environmental Education Manager
Mary.Hardcastle@parksandpeople.org
<http://www.parksandpeople.org>

Safety in the Garden

The University of Maryland has prepared a guide on "Safety in the School Garden," which is available online.

<http://www.agnr.umd.edu/Extension/gardening/growit/YouthGardening/Garden%20and%20Food%20Safety.cfm>

Tree Baltimore

A program of Baltimore City's Recreation and Parks, Tree Baltimore works to increase the city's tree canopy through various programs including school yard plantings. Tree Baltimore has a free tree giveaway program, a Tree Neighborhood Program, a Tree Acres Program and a Street Tree Program. Tree Baltimore has collaborated with multiple partners throughout the city including Parks & People Foundation and Blue Water Baltimore to ensure that vacant green spaces on school grounds show an increase in tree canopy increasing the breathability of our city.

Charles Murphy
Greening Coordinator
Charles.Murphy@baltimorecity.gov
<http://www.treebaltimore.org>

Urban Agriculture Resources, Office of Sustainability

Check out the list of resources offered by the Office of Sustainability including regulations, qualifications and training opportunities for urban farmers.

Abby Cocke
Environmental Planner
Abby.Cocke@baltimorecity.gov
<http://www.baltimoresustainability.org/resources/index.aspx>

Baltimore City Sprouts

Baltimore City Sprouts educates and empower kids, unemployed adults, and people in transition from jail or drug addiction to learn about gardening and food systems. BCS facilitates the creation of school gardens where students not only grow food, but develop a strong relationship with nature. They serve as garden educators, collaborating with teachers to establish relevant lessons with the curriculum as well as organizing summer camp programs.

Gary Ashbeck
Baltimore City Sprouts Project
410-913-2342
<http://www.baltimorecitysprouts.org>



Family and
COMMUNITY
engagement

Family & Community Engagement

The Family and Community Engagement Action Team focuses on supporting the schools as the hub to engage students, their families, and community members throughout Baltimore City in sustainability and greening activities.

For more information on the Family and Community Engagement Action Team or to get involved, email Action Team Leader Janet Felsten at 410-235-0838 or at jfelsten@baltogreenmap.org.

The Baltimore Commission on Sustainability

The Commission on Sustainability is made up of 21 members representing environmental groups, community organizations, labor unions, public health and environmental justice interests, and private industry. The Commission convenes for public meetings the 4th Tuesday of every month at 4pm in the Baltimore City Planning Department Boardroom (417 E. Fayette St. 8th Floor).

Alice E. Kennedy
Sustainability Coordinator
alice.kennedy@baltimorecity.gov

Baltimore Green Map

Baltimore Green Map can help students identify the resources and opportunities in your schoolyard and neighborhood through map making activities using the international Green Map System graphic icons. Baltimore Green Map offers workshops and extended collaborations with schools: Green Map Your Schoolyard; Green Map Your Community; Design a Neighborhood Walking Tour; Green Map International Exchange. Baltimore Green Map creates interactive and print maps that chart Baltimore's progress toward becoming a healthy and sustainable urban environment, highlighting where to find the nature, culture, green living, and activism resources in the Baltimore Region.

info@baltogreenmap.org
<http://www.baltogreenmap.org/v1/index.html>

The Baltimore Neighborhood Indicators Alliance

The Baltimore Neighborhood Indicators Alliance-Jacob France Institute (BNIA-JFI) has data/information on neighborhoods in Baltimore.

<http://www.bnijfi.org/>

Green Apple Day of Service

The annual Green Apple Day of Service is held on September 29th with volunteers from around the world come together in support of healthy, sustainable schools by taking real action in their communities. On the Green Apple website you can find project ideas, pledge your support, share your project, recruit volunteers and connect with other volunteers around the world.

<http://www.mygreenapple.org/greenservice.aspx>

Cylburn Arboretum

Educational programming at Cylburn provides opportunities for all to learn about our natural environment through horticulture and environmental education programs including: Soup and Walk; Nature Story Hour; Nature Museum; Wildflowers of Maryland; Guided Tours. Families can enjoy Cylburn's trails and seasonal events.

info@cylburnassociation.org
<http://www.cylburnassociation.org/>

The Family Institute

The Family Institute partners with organizations and associations to offer a yearlong calendar of courses, trainings, peer-to-peer learning opportunities and other programs that empower and educate parents and staff. The Family Institute is committed to providing a wide range of innovative opportunities for families to learn how to support their children's success.

Demetria Nicholas
dnicholas@bcps.k12.md.us
<http://www.baltimorecityschools.org/domain/5133>

Greater Baltimore Children and Nature Network (GBCAN)

The Greater Baltimore Children and Nature Collaborative (GBCAN) encourages partnerships and provides information to foster connections between children and the natural world such as family nature clubs, parent workshops and the member network. GBCAN provides ways for parents, grandparents and educators to participate in outdoor experiences, healthy behaviors and stewardship.

<http://gbcan.groupsite.com/main/summary>

Maryland Environmental Health Network (MEHN)

MEHN envisions a Maryland where children and adults enjoy clean food, air and water, and benefit from safe environments in their homes, schools and communities. The Environmental Health Network seeks to improve the health of Marylanders by minimizing exposures to environmental threats and toxic chemicals.

Rebecca Ruggles
rebeccaruggles@verizon.net
allirich@gmail.com

Transform Baltimore

The campaign to Transform Baltimore engages the community to call upon elected officials and decision-makers at city, state, and federal levels to adopt and implement a funding plan to renovate and modernize all public school buildings in Baltimore City within ten years.

Frank Patinella
410-889-8550 x 123
patinella@aclu-md.org
<http://www.transformbaltimore.org/>



Learning to
WORK GREEN
resources

Learning to Work Green

The Green School Network Action Team, Learning to Work Green, is focused on creating sustainable career pathways for our students. Learning to work green has currently identified several of tracks that they are interested in developing: integrating sustainability into each of the career and technology education programs, developing career pathways into sustainability trade, and creating internship and apprenticeship opportunities.

For more information on the Learning to Work Green Action Team or to get involved, email Eli Allen, Green Projects Development Coordinator at eallen@baltimoregreencareers.org.

Baltimore Center for Green Careers

Civic Works' Baltimore Center for Green Careers is making Baltimore's economy more equitable and sustainable by training residents for jobs in the emerging green economy. The combination of meaningful employment, a living wage, and marketable trade skills has proven powerfully successful. The B'more Green program provides training in brownfields remediation and home energy efficiency. Participants earn industry-recognized certifications and receive job placement assistance.

info@baltimoregreencareers.org
<http://www.baltimoregreencareers.org/>

Branches

BRANCHES, or the Building Resources And Nurturing Community Health and Environmental Stewardship Parks & People's unique summer opportunity for Baltimore's high school youth. BRANCHES operates as a six-week youth workforce training and educational enrichment experience in park forestry management and maintenance. This is an hourly paid position. The program also provides uniforms, lunch and transportation. All BRANCHES participants receive Junior Forester certification at the program's conclusion.

Nicole McDaniels
nicole.mcdaniels@parksandpeople.org
<http://www.parksandpeople.org/learn/urban-resources-initiative/branches-or-summer-jobs/>

Civic Works

Civic Works is Baltimore's urban service corps and an AmeriCorps program. Their mission is to strengthen Baltimore's communities through education, skills development, and community service. Every year, Civic Works' AmeriCorps members spend a year or a summer in service to Baltimore. Civic works has a number of career preparation programs in the areas of community revitalization and workforce development, education, and green careers.

410-366-8533
info@civicworks.com
<http://www.civicworks.com>

Great Kids Farm Internships

Great Kids Farm continues the long heritage of the farm site as a place where young people prepare for successful and meaningful working lives. As Work Based Learning Interns high school students study and steward the farms plants, animals, and other living educational resources. Great Kids Farm is now preparing to become an official site for City Schools' Learning to Work program and its agricultural education program.

<http://www.baltimorecityschools.org/domain/5124>

Youth Works Baltimore

Baltimore City's YouthWorks summer jobs program will match young people between the ages of 14 and 21 to six-week work experiences with private

sector, nonprofit, and city and state government employers.

410-396-JOBS (5627)
summerjobs@oedworks.com
<http://www.oedworks.com/youthserv/index.htm>

Office of Learning to Work

City Schools is committed to graduating students who are ready for the next steps toward college and career. A big part of that commitment is Career and Technology Education.

In a CTE pathway, students take rigorous academic courses and participate in work-based learning opportunities, including job shadowing, mentoring with industry professionals or internships. After successful completion of a CTE program, students can graduate from high school with industry certification or college credit—and have a "leg up" toward an in-demand, well paid career.

(443) 642-3990
<http://www.baltimorecityschools.org/Page/318>





Green TEACHING resources

Green Teaching

The Green Teaching Action Team of the Baltimore Green Schools Network focuses primarily on curriculum development, professional development opportunities, and coordinating outreach for environmental education experiences. This Action Team consists of environmental education providers from all over the city along with representation from the district's office of Teaching and Learning. Its work includes a focus on fulfilling Maryland's Environmental Literacy Requirement, Comar 13A.04.17.

For more information on the Green Teaching Action Team or to get involved, email Bess Caplan of the Baltimore Ecosystem Study at caplanb@carryinstitute.org.

For more information on green teaching opportunities in City Schools contact Keisha Matthews, Science Academic Liaison in the Office of Teaching and Learning at kdmattthews@bcps.k12.md.us.

Baltimore Ecosystem Study

The Baltimore Ecosystem Study (BES) connects teachers of students of all ages with education activities that meet Maryland learning standards. The materials include: the Investigating Urban Ecosystem Series (middle and high school); My City is An Ecosystem (2nd-5th grade); Tree Treasures (elementary school); Schoolyard Hydroecology, Biocomplexity and Habitable Planet (high school); Investigating in Urban Soil; and Exploring Watersheds in Baltimore.

Bess Caplan
Program Leader of Ecology Education
caplanb@carryinstitute.org
<http://www.besiter.org/>

Bay Backpack

Learn some creative ways to integrate the Chesapeake Bay and environmental issues into your classroom lessons. Search through the Bay Backpack's books, multimedia, curriculum guides, individual lesson plans and online data sources about the subjects you are teaching in class.

<http://www.baybackpack.com/>

Center for Environmental Education

The Center for Environmental Education (CEE) is an international resource center and clearinghouse for environmental education. Their mission is to provide the necessary resources, curriculum, expertise and guidance to cultivate environmental leadership

in K-12 schools. They work to create environmentally healthy schools where children learn how to choose sustainable lifestyles.

<http://www.ceeonline.org>

Chesapeake Bay Foundation

The Chesapeake Bay Foundation (CBF) fights for bold and creative solutions to the pollution that plagues the Bay and its tributaries. CBF's Education Department takes students outside to explore the Chesapeake Bay watershed and learn how we can all take action to save the Bay. The CBF provides a Student Field Program and a Student Leadership Program and also offers many professional development opportunities for teachers and principals.

chesapeake@cbf.org
<http://www.cbf.org>

Carrie Murray Nature Center

Located within Baltimore's Gwynns Falls/Leakin Park, the Carrie Murray Nature Center is an educational resource that contains a rehabilitation center to care for injured and orphaned wildlife, a one-of-a-kind Insect Zoo, live reptiles and amphibians, a large classroom and program area, and a hawk house for their permanent raptor residents.

<http://www.carriemurraynaturecenter.org/>

Cylburn Arboretum Association

A great green resource in Baltimore City, Cylburn Arboretum Association (CAA) is a nonprofit organization dedicated to protecting Cylburn Arboretum as a place of open space, beauty, and learning.

CAA offers a plethora of resources to engage in nature including but not limited to: summer camps, nature story hour, guided tours, workshops and classes, a nature museum, hiking trails, and many more.

<http://www.ceeonline.org>

National Aquarium - Learn

The Center for Environmental Education (CEE) is an international resource center and clearinghouse for environmental education. Their mission is to provide the necessary resources, curriculum, expertise and guidance to cultivate environmental leadership in K-12 schools. They work to create environmentally healthy schools where children learn how to choose sustainable lifestyles.

<http://www.aqua.org/learn>



Maryland Port Administration, Port of Baltimore

The Port of Baltimore offers both field and classroom-based environmental education programs that focus on important issues in the Chesapeake Bay, including Port-driven environmental restoration work. Educators are available to present to your classroom and field programs are offered at Hart-Miller Island, the Swan Creek Wetland at Cox Creek, Masonville, and Poplar Island. Programs are free of charge.

Laura Baker
Outreach and Education
Coordinator
410-729-8649
lbake@menv.com
<http://www.mpasafepassage.org>
<http://www.menv.com>

The Honey Files

"A Bee's Life" is written by Baltimore Honey to serve as a teaching guide for grades 4 to 6 on honeybees and ideas for integrating them into your curriculum.

Mimi Thomas
Director
queenbee@baltimorehoney.org
<http://www.honey.com/inhb/downloads/education>

Irvine Nature Center

Irvine Nature Center is a non-profit educational organization, offering programs of environmental studies and natural science to children and adults of the greater Baltimore area. Irvine provides these experiential learning opportunities in many forms, including: Programs for children, families and adults; Field Trips; Nature Birthday Parties; The Nature Preschool; Summer Nature Camps. Irvine also provides a number of programs free to Baltimore City Public Schools including outreach programs, professional development, school greening and environmental curriculum consultation.

Sara Mills
School and Urban Education
Programs
MillsS@ExploreNature.org
<http://www.explorenature.org/>

Living Classrooms

Living Classrooms Foundation is a Baltimore-Washington based non-profit educational organization with a distinctive competency in experiential learning—literally learning by direct experience, or what we call "learning by doing." Educating students through their own K-12 and public charter middle schools, through after-school and supplemental education programs, and through environmental experiences, with special emphasis on serving students who live in high-risk environments.

410-685-0295
<http://www.livingclassrooms.org/>

Patterson Park Audubon Center

Baltimore's only Audubon location, Patterson Park Audubon Center is a leader in environmental education with schools, recreation centers, and after-school programs in Patterson Park. Educators also offer activities for families including urban bird watching walks, wildlife gardening workshops, environmental stewardship, Tiny Tots safaris, and special seasonal programs for adults and children. Some programs are also taught in Spanish.

Susie Creamer
Education Coordinator, Patterson
Park Audubon Center
screamer@audubon.org
<http://pattersonpark.audubon.org/>

Project BioEYES

Project BioEYES is a K-12 science education program which provides classroom-based learning opportunities through the use of live zebrafish. Project BioEYES is designed to incorporate teacher empowerment and provides professional development seminars and a co-teaching experience with trained university science consultants, called Outreach Educators.

Valerie Butler
butler@ciwemb.edu
<http://www.bioeyes.org/>

Project WET

A trained network of teachers, resource professionals, and citizens organize and teach Project WET workshops throughout Maryland. By familiarizing educators with current water resource issues, Project WET ultimately reaches students by incorporating interesting activities, simulations, exhibits, and models into the classroom. After completion of a free six hour training, educators are given a Project WET curriculum and activity guide packed with 91 hands-on activities that cross many disciplines in the study of water and water resources - chemistry and physics, life science, earth systems, natural resource management, history and culture. During the workshop educators learn how to incorporate local issues into the lessons.

Cindy Etgen
Maryland Department of Natural
Resources
410-260-8716
cetgen@dnr.state.md.us
<http://projectwet.org/>

Project WILD

Aquatic K-12 Curriculum and Activity Guide are updated regularly and come with the option of attending instructional workshops.

Kerry Wixted
Maryland Department of Natural
Resources
410-260-8566
Kwixted@dnr.state.md.us
<http://www.projectwild.org/>
[ProjectWILDK-12AquaticCurriculumandActivityGuide.htm](http://www.projectwild.org/ProjectWILDK-12AquaticCurriculumandActivityGuide.htm)



Project Learning Tree

Project Learning Tree (PLT) is a program of the American Forest Foundation that uses the forest as a window on the world, engaging the next generation of America's thought-leaders and decision makers. PLT provides educators with peer-reviewed, award-winning environmental education curriculum resources that can be integrated into lesson plans for all grades and subject areas.

Sarah Haines
Towson University
410-704-2926
shaines@towson.edu
<http://www.plt.org/>

Terrapin Connection Program

This program teaches students about the life cycles and habitats of the diamondback terrapin as they raise terrapin hatchlings for eight months at their schools. The turtles are used in many areas of study including math, music, English, and science. The students track growth and other changes and then release the terrapins in the spring on Poplar Island. They also learn about the Chesapeake Bay through a series of classroom-based observations combined with activities that send the message of stewardship and conservation home to any grade level. Partners include the MPA, Arlington Echo, Maryland Environmental Services, and the National Aquarium at Baltimore.

conserve@aqua.org
<http://www.aqua.org/learn/teacher-programs/terrapins-in-the-classroom>

The Maryland Association for Environmental and Outdoor Education

The Maryland Association for Environmental and Outdoor Education (MAEOE) is a nonprofit educational association that provides educational training programs, workshops, conferences, awards programs, networking opportunities, publications, and related materials and resources. MAEOE oversees certification for the Maryland Green Schools program.

Laura Collard
Executive Director
443-733-1220 Ext 114
Director@maeoe.org
<http://www.maeoe.org/>

Maryland State Department of Education

The Maryland State Department of Education provides complete listings of educational standards including environmental literacy and common core standards.

<http://www.marylandpublicschools.org/MSDE/programs/environment/>

Maryland Agricultural Education Foundation

The Maryland Agricultural Education Foundation (MAEF) offers lesson plans for students K - 12, curriculum, resources, trainings and lessons for teachers, mobile science labs and age-specific learning activities aligned with the Maryland Voluntary State Curriculum about the importance of agriculture in our daily lives.

Charles Gummer
Urban Education Consultant
410-960-2979
charlesgummer@verizon.net
<http://www.maeonline.com/>

Maryland Department of Natural Resources

The Maryland Department of Natural Resources is committed to enhancing the natural resources stewardship ethic of all Maryland citizens. That is why we offer a variety of services for K-12 students, teachers, and other Maryland residents including free or low-cost professional developments, materials for educators, lesson plans, summer camps, and special events for youth. Additionally, The Department of Natural Resources provides detailed information on Maryland's Natural Resources. This information can help with homework, school reports and school projects.

<http://www.dnr.state.md.us/education/>

National Oceanic and Atmospheric Administration

The National Oceanic and Atmospheric Administration (NOAA) education community works collaboratively to advance environmental literacy and promote a diverse workforce in ocean, coastal, Great Lakes, weather, and climate sciences, encouraging stewardship and increasing informed decision making for the nation. NOAA offers several programs including the Bay Watershed Education and Training program, professional development programs, and many grant programs for informal and formal educators.

Kevin Schabow
NOAA Chesapeake Bay Office
kevin.schabow@noaa.gov
<http://www.education.noaa.gov/>

National Environmental Education Foundation

NEEF is a complementary organization to the U.S. Environmental Protection Agency (EPA), extending its ability to foster environmental literacy in all segments of the American public. Programs focus on core environmental literacy for children and youth and environmental education for health professionals and business managers.

<http://www.neefusa.org>

U.S. Department of Education's Green Ribbon Program

Green Ribbon Schools (GRS) is an award program that recognizes schools participating in activities that promote and encourage a healthy and environmentally friendly learning environment. These activities must fall under the 4 Cornerstones of a Green Ribbon School (Eco-Campus, Health & Fitness, Nature Adventure, Natural Classrooms). By participating in these activities a school is providing a healthier, happier and smarter campus for students, teachers and the community.

Gary Hedges
Science Specialist
ghedges@msde.state.md.us
<http://www.greenribbonschools.org/>



Student ENVIRONMENTAL LEADERSHIP resources

Student Environmental Leadership

What kind of city do we want Baltimore to be? Young people, through organizations and individual actions, have the power to make our city and our world greener, healthier, and more sustainable. The purpose of the Student Environmental Leadership Action Team (SELAT) is to bring these voices together, set priorities for the school system, and plan future events and actions to support youth environmental leadership in Baltimore and beyond. SELAT is one of the seven action teams under City Schools' Green Schools Network and regularly reports to the Network's steering committee. In the 2011-2012 school year the group worked to coordinate and implement school recycling and green team efforts, connected students to environmental and outdoor opportunities, and fostered partnerships between students, teachers, city officials, and environmentally focused organizations.

For more information on the Student Environmental Leadership Action Team or to get involved, email Abby Cocke, Environmental Planner at Abby.Cocke@baltimorecity.gov.

Energy Action Coalition

Energy Action Coalition is a coalition of 50 youth-led environmental and social justice groups working together to build the youth clean energy and climate movement.

<http://www.energyactioncoalition.org/>

EPA President's Environmental Youth Award

Your project - or one you are sponsoring - could be an award winner. Encourage one or more students you know to apply for PEYA and see what a difference they can make for the environment with an award-winning project. Applicants from all 50 states and U.S. territories are eligible to compete for an award for special recognition and a presidential plaque. Due by Dec. 31st each year.

<http://www.epa.gov/enviroed/peyal/index.html>

EPA's Student Environmental Development Program (SEDP)

The SEDP is an environmental education and leadership development program. The students spend six-seven weeks of their summer at EPA Region 3 headquarters in Center City, Philadelphia, on the campus of George Washington University, in Washington, D.C. and on the campus of Johns Hopkins University.

Barbara Bates-Hopkins
Johns Hopkins University, Center in
Urban Environmental Health
bbatesho@jhsph.edu
<http://www.epa.gov/region3/ee/sedp.htm>

Inner City Outings

Baltimore Inner City Outings (BICO) Baltimore Inner City Outings was founded in 1999 with the goal of providing underserved Baltimore City youth with educational, enjoyable, and safe outdoor experiences at no cost to them. Over the last 11 years BICO has organized nearly 400 outings that served almost 4,300 youth.

<http://www.digitalharbor.org/bicol>

Masonville Cove Environmental Education Center

The Masonville Cove Environmental Education Center offers environmental programs for the community and school groups, and serving as a place to hold community meetings and a gateway to the nature trails and activities of Masonville Cove. Their goal is to provide many different fun ways for families to learn more about our urban ecology and spend time together in nature.

info@masonville.org
<http://www.masonvillecove.org>

Outward Bound

Outward Bound's mission is to build leadership capacity within communities by providing students, educators, school administrators, community leaders and professionals- within the metropolitan areas served by Outward Bound Baltimore - with opportunities to develop a better understanding of their capabilities and value to their community. This mission will be carried out through challenging experiences that are safely structured to enhance leadership, self-esteem, self-reliance and concern for

others, service to the community and care for the environment.

410- 448-1721

http://www.obusa.org/index.cfm/do/obyc.baltimore_index

Outdoor Nation

Outdoor Nation, an initiative of the Outdoor Foundation, is a national movement of young adults aged 16-28 passionate about the outdoors. Through entertainment, education, engagement and action, Outdoor Nation works to increase and expand youth participation in the outdoors. Outdoor Nation annually offers two days of free intensive leadership development training to increase and expand youth participation in the outdoors.

info@outdoornation.org
<http://www.outdoornation.org>

Power Shift

We Are Power Shift is a grassroots-driven online community that seeks to empower and serve as a hub for the youth climate movement. The site offers activists a forum for discussion and a platform to share resources, swap stories, strengthen relationships, and showcase our diverse movement to the media and the world. The community they create helps to build political power, harness collective energy, amplify their message and advance their vision of a clean, just and sustainable future.

<http://www.wearepowershift.org/>



Local **FUNDING** resources

Chesapeake Bay Trust Grants

The Trust's grant-making strategies are shaped by three core objectives; environmental education, demonstration-based restoration, and community engagement. They look to these objectives as basic touchstones for developing our grant programs, engaging new partners, and communicating about our work.

To support these objectives, the Trust currently makes several awards through ten grant programs.

Jamie Baxter
Program Director
410-974-2941 x105
jbaxter@cbtrust.org

<http://www.cbtrust.org/site/c.mijPKXPCjnH/b.5457271/k.C58E/Grants.htm>

Green, Healthy, Smart Challenges

Launched in 2010, the City Schools Sustainability Challenge provides \$1,000 grants to "Green Teams" of students and adult advisors at Baltimore City public schools. The program is operated by the Baltimore Office of Sustainability in partnership with City Schools, the Baltimore Community Foundation, and the Baltimore Energy Challenge.

The City Schools Sustainability Challenge is driven by students. In order to apply, schools must submit signatures from at least five students and one adult advisor who pledge to serve on a Green Team.

The Green Team members are responsible for coming up with their project concept, timeline, and budget. Ideas funded through the program have included vegetable gardens, rainwater collection systems, DIY energy audits, recycled art shows, cafeteria composting projects, and many, many more creative and transformational projects. The goals of the Challenge are to promote student environmental leadership and to help more schools qualify to become certified Maryland Green Schools.

Abby Cocke
Environmental Planner
410-396-1670
Abby.Cocke@baltimorecity.gov

MAEF Urban Garden Grants

Maryland Agricultural Education Foundation offers two types of grants. The first grant is for NEW GARDENS and is awarded up to \$500. The second grant is for EXISTING GARDENS and is awarded up to \$250. The goal of the Edible Classroom Youth Gardening Project is to increase the awareness of and appreciation for agriculture in the lives of urban students through hands-on gardening and classroom activities that meet MSDE's State Curriculum. By implementing MAEF's mission, this project offers students direct experience with growing harvesting and preparing fresh foods while learning plant requirements, growing conditions, nutrition and wellness.

http://www.maefonline.com/news_announcements_urban_gardens.html

Parks & People Grants for Greening

Parks & People offers Neighborhood Greening Grants to provide capacity building funds for community-driven greening projects that improve the environmental quality and social fabric in Baltimore City.

Valerie Rupp
410-448-5663
valerie.rupp@parksandpeople.org
<http://www.parksandpeople.org/greening/grants-for-greening/>

Youth as Resources

Youth As Resources (YAR), a youth-led grantmaking, community organizing and leadership development organization led by young people (ages 14-22) in Baltimore City, primarily in the inner city. YAR is managed by a Board of Directors comprised of 23 youth and seven young adults who are responsible for and in control of all organizational governance and grantmaking decisions. YAR's work focuses on Baltimore neighborhoods and institutions that have the fewest available resources and the most challenges.

<http://www.youthasresources.org/home>

For more information about grant opportunities for schools, please contact Abigail Breiseth at ABreiseth@bcps.k12.md.us.

