



2017 BASA School Facilities and Safety Conference

Your Sustainable Building and How to Teach About It

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Ohio Facilities Construction Commission**



Ohio Schools and examples of how they use their facility & grounds

What environmental education resources are available in Ohio?

Green Ribbon Schools – ODOE & USDOE

- Green Strides Series
- Resources for funding & curriculum

National Resources

- US EPA – Indoor Air Quality
- Learning Lab – US Green Building Council
- Green School National Network

Ohio is Leading the Nation in LEED Schools

OFCC – 415 Projects to Date

283 LEED
Certifications
Certified – 6
Silver – 185
Gold – 88
Platinum – 3



Reynoldsburg City SD
Summit Road High School
STEM Academy

Photos courtesy of Moody-Nolan/Brad Feinknopf (Feinknopf Photography)

Using the School as a Teaching Tool



Building & Grounds Signage

Greenhouse & Outside Gardens,
Learning Labs, Wetlands, Rain
Gardens, Nature Trails, etc.



Photo courtesy of Moody.Nolan/Brad
Feinknopf (Feinknopf Photography)



Rain Garden – Learning opportunity & rain water management





Recycling

Energy Usage

Energy
Dashboard

Water Usage



Outdoor Classrooms

Rooftop Gardens

Gardens & Landscaping

Learn about Unique Features

Cincinnati City SD
Clark Montessori
Gabion Wall (former Clark School)





**Cincinnati Public Schools
Rothenberg Preparatory Academy**

Rooftop Gardens

Incorporated into curricula

Student grown

Community Space



Milton-Union Exempted Village SD
New PK-12





Energy Management – Building or Utility Dashboard



Student & Staff Buy In
Energy Team or Lights Out Campaign
Energy Games/Challenges/Competitions

Use part of the savings for a Pizza Party
Use the remainder to fund other Sustainable Initiatives





The School Administration must make energy savings a priority for success

- Keep blinds open for light
- Lights out when possible
- Guidance policy

Lighting levels must be accessible to staff and students

Empower the STUDENTS!!!



What is Available in Ohio?



Columbus City SD
Old Orchard Elementary

Ohio Environmental Education Fund



- General Grants
\$5,000 to \$50,000
- Mini Grants, \$500 to \$5,000
- Application Deadlines
mid-January, mid-July
- Online application,
staff will comment on
drafts

Professional development for teachers

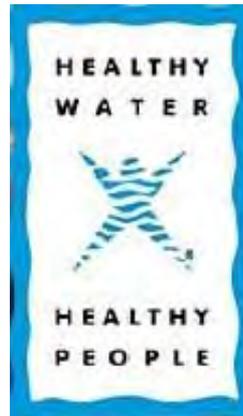


Recycling Grants

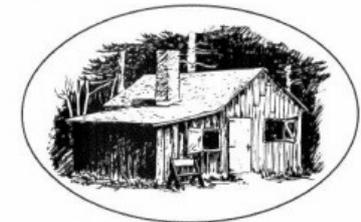
- Infrastructure for collecting and processing recyclables
- Outreach and awareness materials
- Food waste composting demonstration projects



Award-winning Curricula



The Leopold
Education Project
Lessons in a Land Ethic



Science supplies



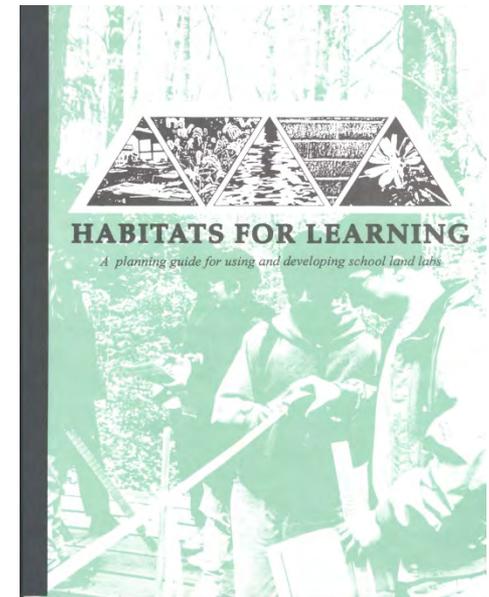
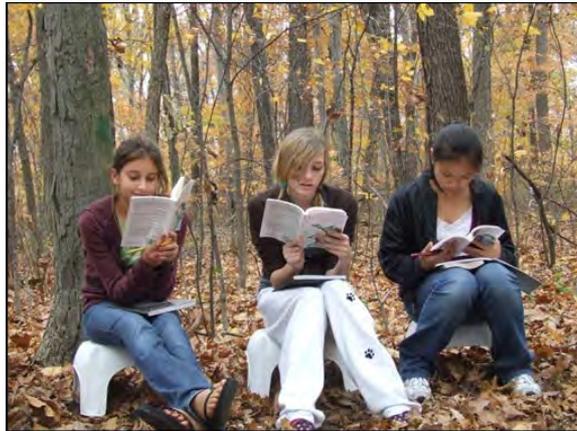
Teaching tools



Field Trips



Land Labs/Outdoor Learning Areas





U.S. DEPARTMENT OF EDUCATION

GreenRibbonSchools



Ohio | Department of Education

Green Ribbon Schools

- Ohio Department of Education has partnered with a number of state agencies and organizations to provide this program.
 - Ohio Facilities Construction Commission
 - Ohio Environmental Protection Agency
 - Ohio Department of Natural Resources
 - Ohio Department of Health
 - The Environmental Education Council of Ohio

The Environmental Education Council of Ohio - EECO

EECO provides:

- The initial application for each school year
- Assistance to schools in completing the application.
- Collects all the applications.
- Organizes the judging process with a panel of judges and rubrics for scoring.



Three Pillars of Green Ribbon

- Applications will be reviewed based on the applicant's demonstrated progress toward each of the goals in the three Green Ribbon "Pillars," which are:
 - 1) Net zero environmental impact
 - 2) Net positive impact on the health and performance of students and staff
 - 3) 100 percent of the school or district's graduates are environmentally and sustainability literate.

Key Points for the Application

- These are ambitious goals and few, if any, schools or districts will achieve all three, or perhaps 100 percent of even one of the Pillars (intentional);
- Schools/Districts demonstrating exemplary achievement in all three Pillars will receive the highest ranking;
- It is important to demonstrate concrete achievement using quantified measures when possible; and
- Attach any supporting documents.

Green Ribbon Schools

- The purpose of this program is to identify schools or districts that are making outstanding accomplishments toward Environmental Literacy while striving to have healthy and environmentally conscious facilities, staff and students.

<https://www2.ed.gov/programs/green-ribbon-schools/index.html>

ED grant programs that may be used to help support schools' work to reduce environmental impact and costs; improve health and wellness; and provide effective environmental education:

Environmental Education
ED Health Related Grant Programs
ED Facilities Related Grant Programs
Sustainability Related Commitments
& Strategy



Toledo – Beverly ES

*Toledo Public Schools:
Hawkins Elementary*

Green Strides Series

- connect all school communities with the free, publicly-available resources from a variety of sources.
- one-stop shop for resources, webinars, case studies, promising practices, and collaboration



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

<http://www.greenstrides.org/resources>





US Green Building Council –
Learning Lab

K-12 Education Platform

Hundreds of Sustainability Lessons &
Activities

Online education platform providing K-12 teachers and school leaders with lessons, activities and resources that encourage student leadership, sustainability literacy, and real-world action.

Hundreds of lessons across all grade levels links to national standards such as Common Core and Next Gen Science Standards, STEM Initiatives and environmental/sustainable frameworks.

Worksheets
PowerPoints
Videos
Project Ideas
Oh my.....



Learning Lab Subscription

\$40 /year

Discount Rates
Available
(I am working for all
Ohio Schools discount)



The Subscription is currently
paired with the
Green Classroom Professional
Certificate Program (\$40 Value)
for Free!

Edgewood City SD
High School

Questions?



Ohio

*Leading the Nation
in Green Schools*

