

# Project WET (Water Education Today)

project WET

water education today

- Project WET is an international, interdisciplinary water science and education program for educators.
- Nonprofit is based in Bozeman, Montana with coordinators in every state and across the world.
- **OUR MISSION**: Project WET empowers educators to engage youth to understand water and solve local and global challenges.
- **OUR VISION**: Inspiring communities around the world to value and protect water.
- In West Virginia, Project WET workshops are FREE and conducted throughout the state. (*This varies state by state according to the program sponsor*).

# Project WET achieves our Mission through...



#### **Our Network**

#### **Our Resources**

We offer affordable resources and trainings to educators all around the world. Our quality, trustworthy lessons are also fun and interactive.

We operate with a network of about 90 partner organizations to help us reach all types of educators. Our new and innovative ideas help fulfill our mission.

#### **Our Community Support**

We offer a variety of customizable community and employee engagement opportunities.

#### **Our Global Reach**

Project WET has global reach with local impact. We are invested in the future of our communities and our planet.



## What is STEAM?

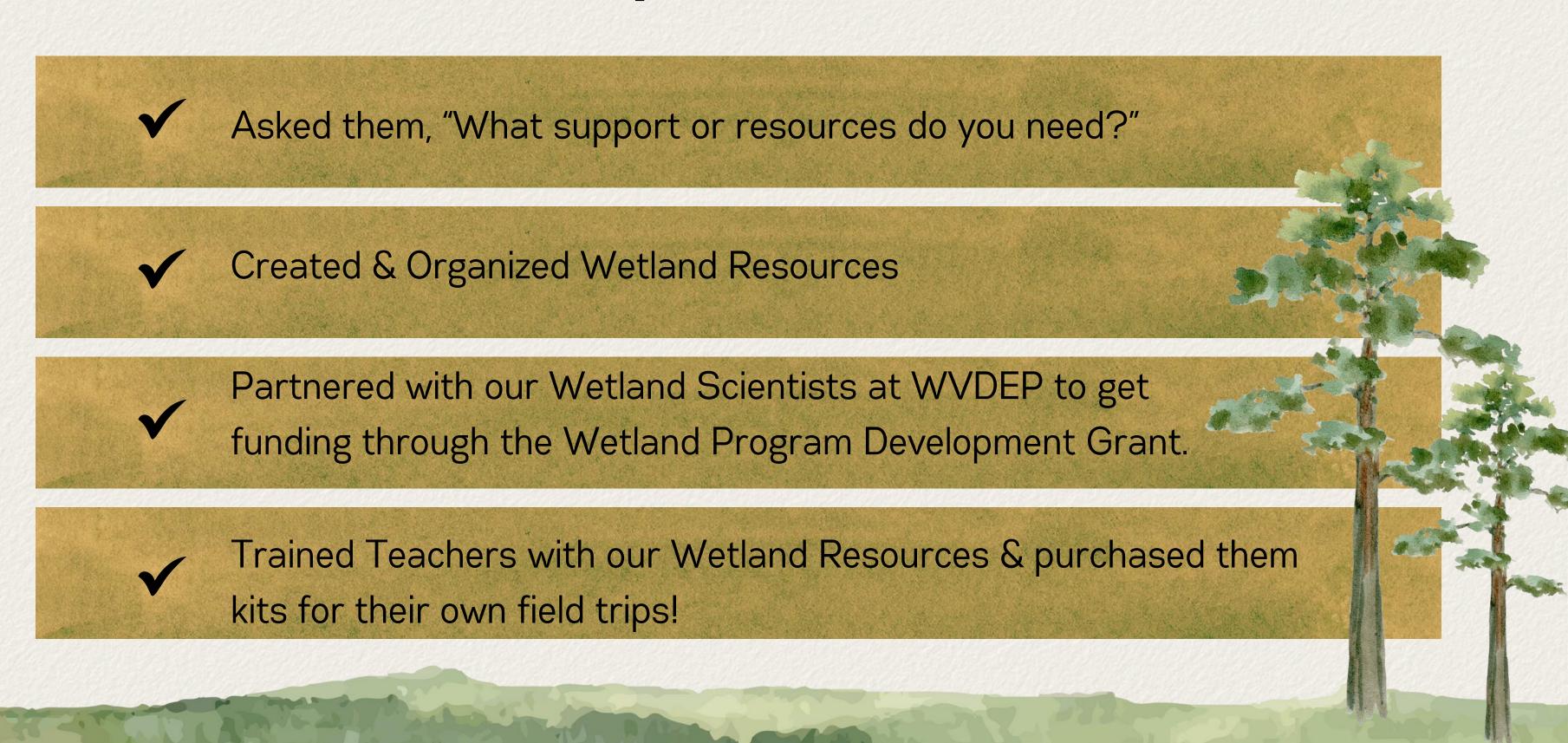


# SCIENCE TECHNOLOGY ENGINEERING ARTS MATHEMATICS

An educational approach that integrates these subjects, moving beyond traditional, siloed teaching to foster creativity, critical thinking, and innovative problem-solving.



# How we Empowered Educators



# Wetland Program Development Grant



# Created Videos & Fact Sheets to Highlight 12 WV Wetlands that are Accessible to School Groups!



#### **Created & Organized Wetland Resources**

#### Learn More About Wetlands

#### About Wetlands

Wetlands come in a variety of sizes and types and can be found all over the state of West Virginia. View these resources to learn more about wetlands and why they are important.

#### Vernal Pool Monitoring Program

The Vernal Pool Monitoring Program aims to increase awareness of vernal pools and to map and monitor vernal pools in West Virginia.

#### Wetlands of West Virginia

Fact sheet on wetland importance and conservation.

#### US EPA Wetlands Protection and Restoration

General information about wetlands

#### Natural Resource Conservation Service: Wetland Fact Sheet

Information for farmers.

#### U.S. Fish and Wildlife Service: West Virginia's Wetlands

This illustrated booklet summarizes the status of West Virginia's wetlands in the 1990s

#### WV Save Our Streams: Introduction to Wetlands

Presentation slides introducing the reader to wetlands.

#### How Wetlands Affect Water Quality

These videos explain the importance of wetlands and describe the roles wetlands play in providing clean water.

#### How Wetlands Manage Water



Wetlands reduce flood damages and keep our waters clean.

#### How Wetlands Work



Wetlands are an efficient and cost effective way to remove excess nutrients in our waterways and improve water quality.

#### West Virginia Wetland Rapid Assessment Method (WVWRAM)

Watershed Assessment Branch of WVDEP's standardized method for rapidly assessing the important natural functions of all types of wetlands present in West Virginia.

#### Wetland Program Plan

West Virginia's 5-year plan for protecting, restoring, monitoring, and regulating wetlands.

#### Wonderful Wetlands with WVDEP

Explore Wonderful Wetlands with WVDEP through a Virtual Field Trip Series hosted by Appalachian Headwaters

#### WV DEP Wetland Videos

This collection includes short videos and more in-depth webinars about West Virginia's wetlands.

#### Flooding and Sediment Reduction



Wetlands help to decrease the damage caused by f sediment pollution out of wat



# Wetland Program Development Grant

# Created the WV Wetland STEAM Booklet Suitable for (K-12)/Public

- Free to download!
- Canva design has been shared with other Project WET Coordinators to make their own for their state!
- Printed through grant to distribute at water festivals, STEAM camps, and other events I host through Project WET.



## Trained Teachers with our PWET Wetland Resources

K-12 guide with 70 pages of background material followed by 40+ cross-referenced activities to gently introduce

wetlands to students and teachers. Activities are neatly

organized into six sections:



2.Defining Wetlands

3.Wetland Functions

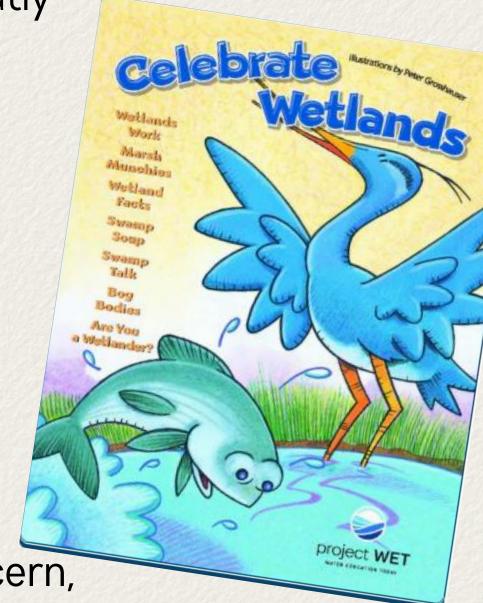
4.Wetlands as Home

5. How People Manage Wetlands

6.Action for Wetlands

WOW was co-created in 1995 by Environmental Concern, Inc. (in Maryland) and The Watercourse (in Bozeman, MT).

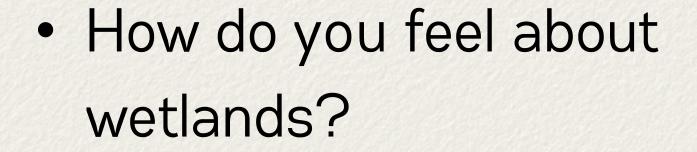
The last update of the guide was 2008. Long-term goal to update this guide.







# With teachers, I take a pulse....



- Do you think wetlands are important? Why?
- Create a Pro/Con list on a board.



# Sample WOW! The Wonders of Wetlands Activity

#### **Wetland Metaphors**

(Page 12 of STEAM Booklet)



#### Summary:

Consider a selection of common objects as physical metaphors for natural wetland functions.

Grade Level: 1-12

Subject Areas:

Environmental and Earth Science

**Duration**:

30 Minutes

Skills:

Analyzing and Interpreting



# Each Educator Received a Wetland Resources Supply Kit!

# WETLAND RESOURCES SUPPLY KIT







A SPECIAL THANKS FOR OUR DONATIONS FROM WVDEP, WVDNR, WVDOF, AND FOR FUNDING FROM THE EPA WETLANDS DEVELOPMENT GRANT.





**PROJECT** 

# How we Empowered Educators

- Paid them a stipend to attend the workshop.
- Introduced them to a wetland in their community,
   TOOK THEM OUTSIDE and looked at soils, plants,
   and wildlife.
- Trained them in three resource guides to help them meet curriculum standards.
- Gave them a wetland supply kit for them to use with students, as well as booklets, and a followup offer to support a field trip to a wetland site.
- Shared videos and fact sheets, as well as
   Wetland STEAM Booklets for their classrooms.



# Connecting Teachers & Wetlands

- Trained over 100 formal educators with this wetland program.
- Taken teachers out to six different wetland sites.
- Highlighted local partners and made new and stronger connections in our wetland network.
- Introduced teachers to our sister programs,
   Project Learning Tree and Project WILD. These programs are in your state!



# Connecting you to Project WET



#### **WHERE** WE ARE

FILTER BY 

LOCAL PARTNERS 

SPECIAL PROJECTS 

WATER SANITATION & HYGIENE (WASH)

#### ARKANSAS ENVIRONMENTAL EDUCATION ASSOCIATION

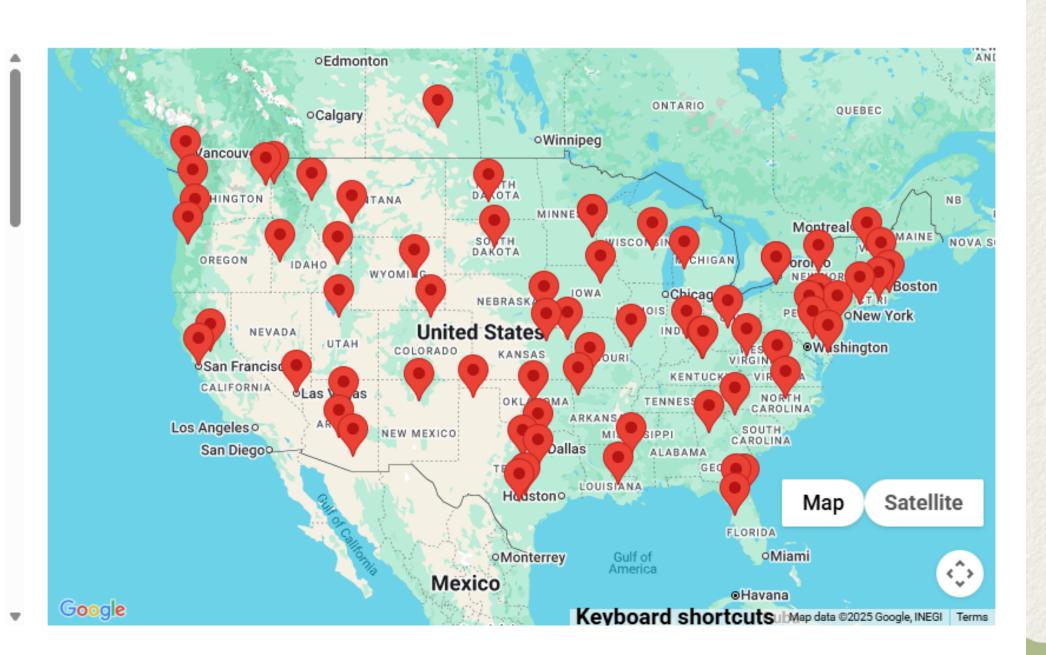
Greenland, AR Local Partners

#### ASSOCIATION FOR THE FRIENDS OF THE PATAGONIA

Buenos Aires, Buenos Aires Local Partners

BAYLOR UNIVERSITY - CENTER FOR RESERVOIR & AQUATIC SYSTEMS RESEARCH (C.R.A.S.R.)

Waco, TX Local Partners



Find a training near you.

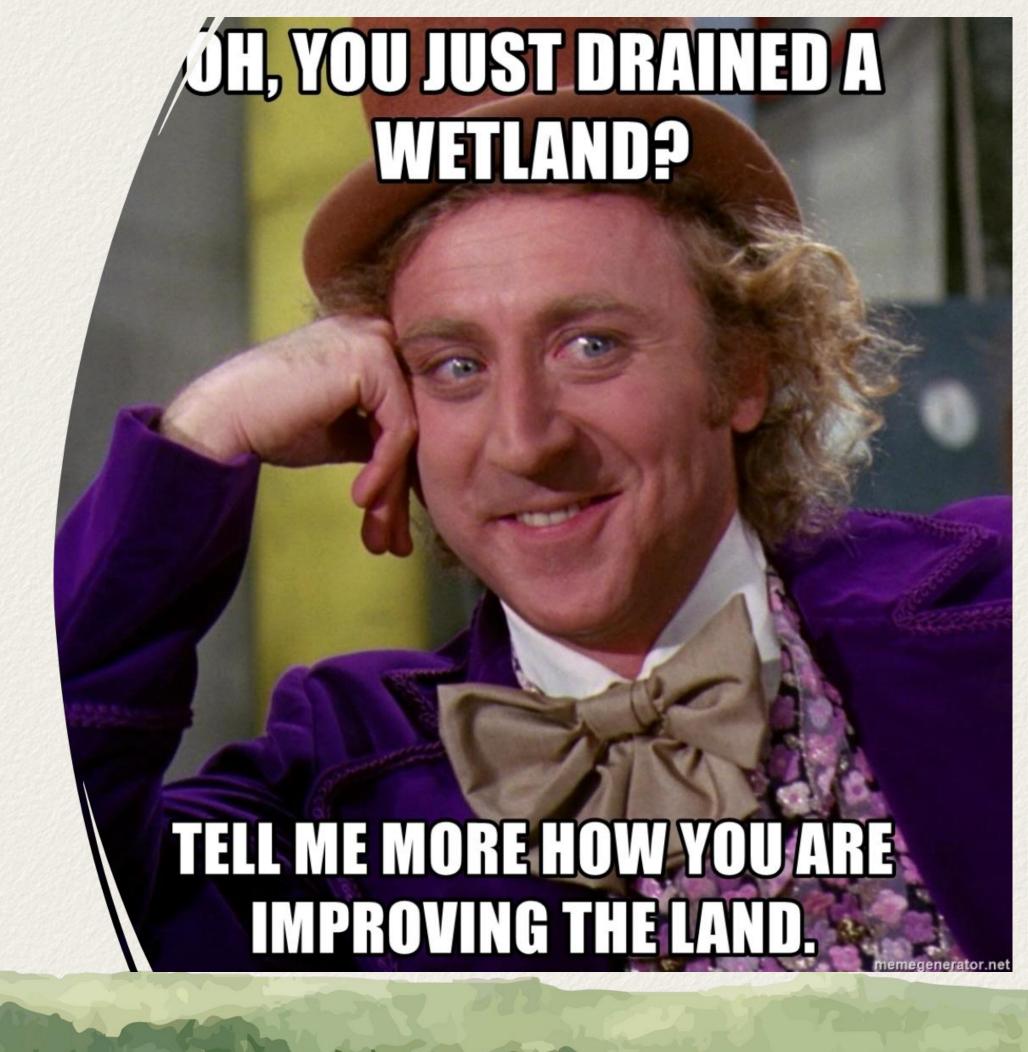
Don't see a partner near you? Contact us about becoming a partner.



Scan QR Code to Visit the Page!

# Thank y'all for the work you do!





# Any questions?

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WILD & WONDERFUL WETLANDS STEP OUT & EXPLORE BIODIVERSITY



with project WET

WATER EDUCATION TODAY

west virginia dep department of environmental protection

Watershed Improvement Branch