

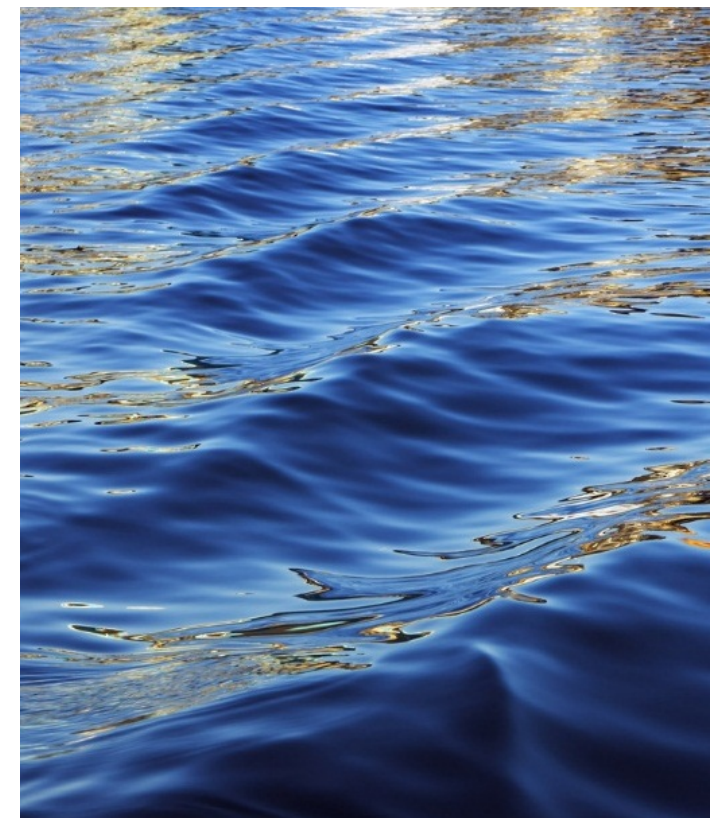


# Water Education Today: Distance Learning Tools to Support Community Engagement and Homeschooling

May 27, 2020



WATERREUSE®

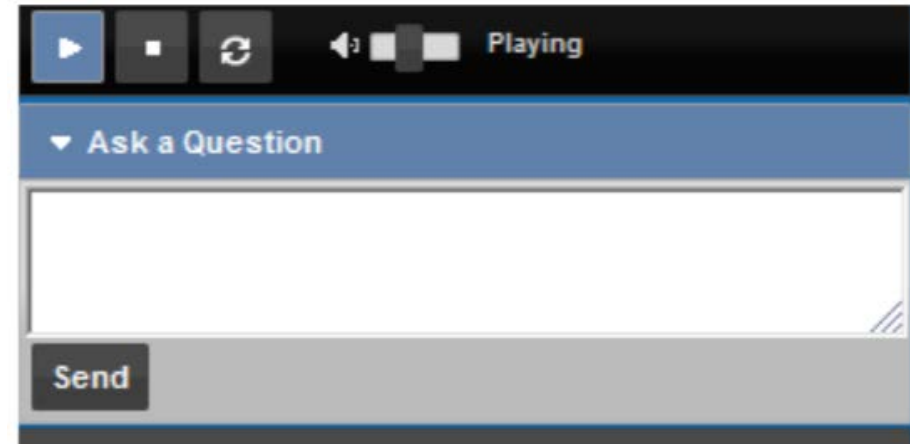


WaterReuse Webcast Series

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## A Few Notes Before We Start...

- Today's webcast will be 60 minutes.
- There is one (1) Professional Development Hour (PDH) available for this webcast.
- A PDF of today's presentation will be shared via email
- Please type questions for the presenters into the chat box located on the panel on the left side of your screen.



# Today's Presenters



**Morgan Close**  
VP of Projects and Programs  
Project WET



**Julia Beck**  
VP of Networks  
Project WET



# Agenda



- Welcome and Introductions
- What is Distance Learning?
- Project WET Resources
- Blue Planet Activity
- Additional Opportunities
- Q&A





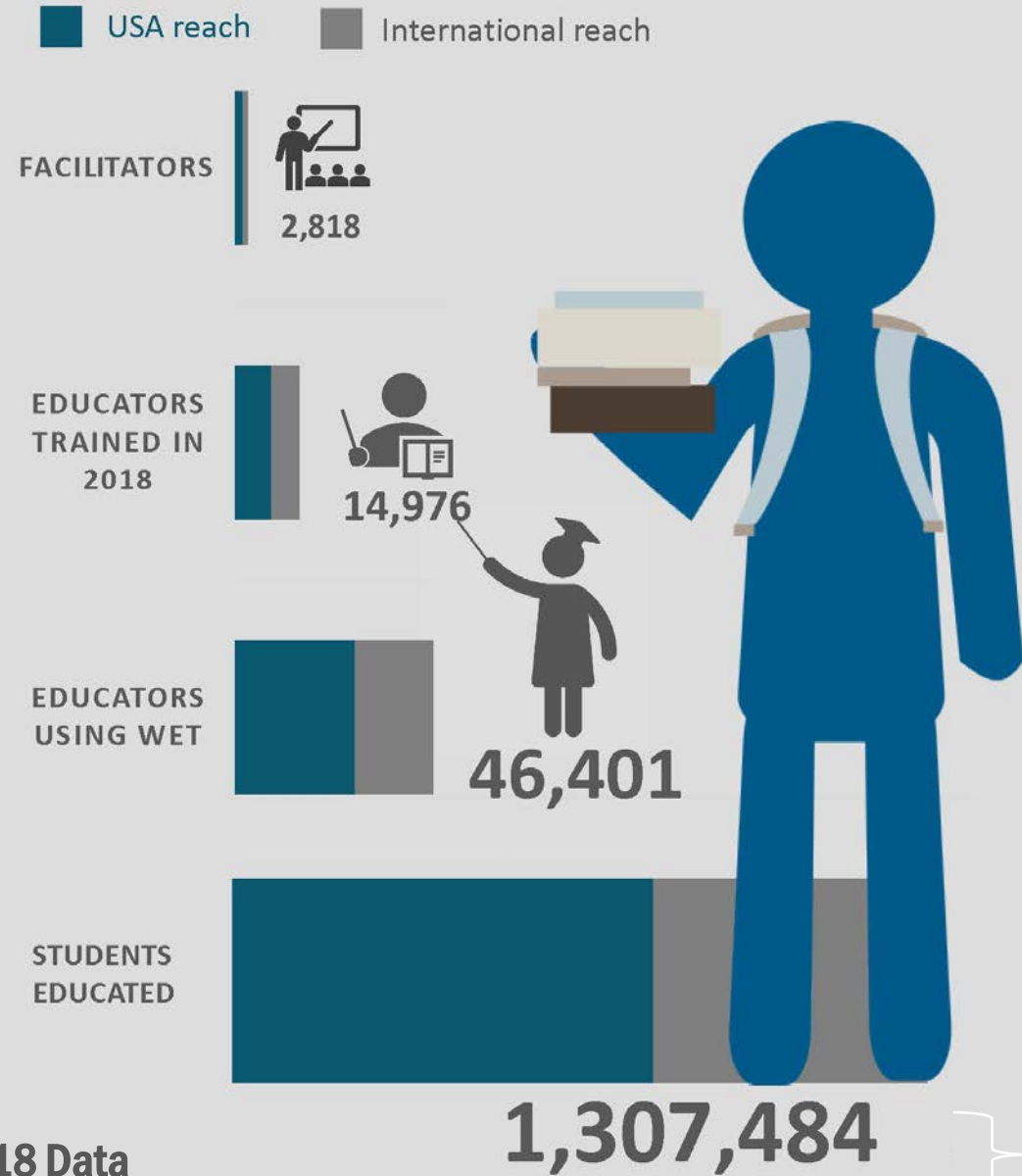
## Our Mission

Advancing water education to understand global challenges and inspire local solutions.

*We envision a world in which action-oriented education enables every child to understand and value water, ensuring a sustainable future.*



# 46,401 Project WET teachers educated 1.3 MILLION youth

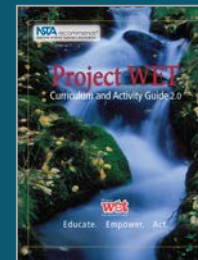


2018 Data

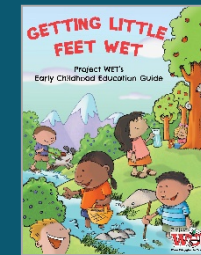
## Project WET's Network of Partners

- Organizations that run own Project WET program
- Train trainers and certify educators

### Training Curriculum



Curriculum Guide 2.0  
(K-12)



Getting Little Feet Wet  
(Early Childhood)



Special Topic Guides

# What is Distance Education (aka Learning)?

**Distance Learning** - a method of study where teachers and students do not meet in a classroom but use the Internet, e-mail, mail, etc., to have classes.

- Student Learning
- Distancing Teaching
- Distance Professional Development/Training

# Distance Learning Resources

## Online/Internet-based Resources

- Video conferencing
- Online-based lessons
- Educational apps: Seesaw, Nearpod, Google Classroom, etc.

## Assigned Reading/Worksheets/Projects

- via email
- via mail or drop-off: printed materials



# Equity: The Digital Divide



## Socio-economic divide

- students without online or computer access
- forcing families to use all data on a mobile plan

## School districts using only printed material

- often outdated and less engaging
- teachers must work individually with students

# The Digital Divide and Education Gap



Nationwide: 15% of houses with K-12 children lack high-speed internet (Time Magazine)

- Rural have less internet access
- Only 33% of tribal nation households

Research in Los Angeles for K-12 households (USC):

- **1 in 4** in L.A. County lack internet or computer resources (25%)
- L.A. Unified School District students - **1 in 3** households without internet or computer (33%)

Students of color are less likely to have the technology resources for distance learning (regardless of income)

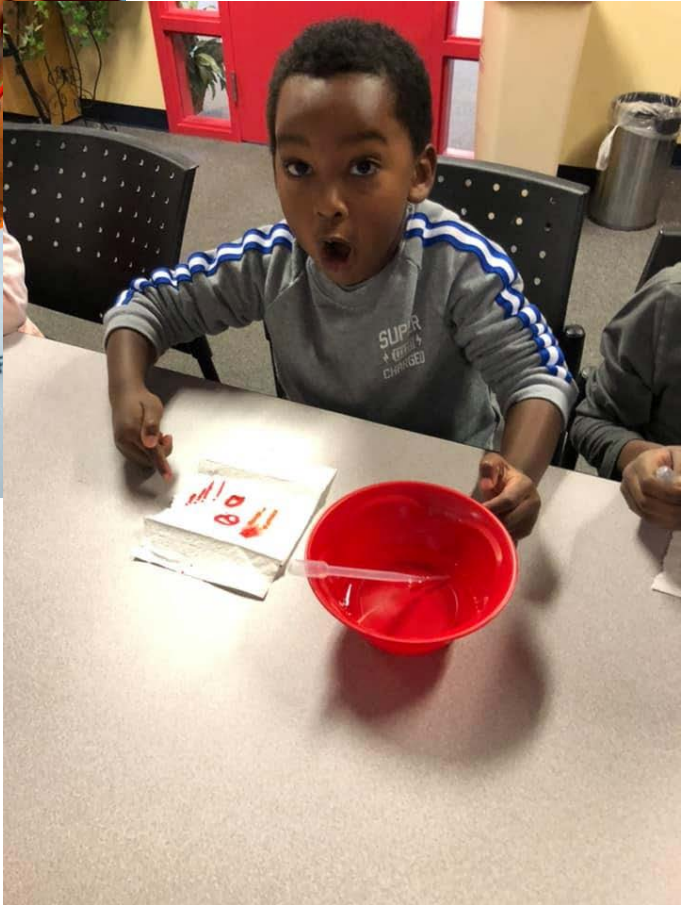
Children with different learning abilities who need help with lessons



# Project WET and Distance Education

- Online Trainings
  - Parent Resources
  - Student Lessons and Booklets
  - DiscoverWater.org
  - Water, sanitation and hygiene (WASH)
- 
- ✓ Hands-on methodology
  - ✓ Digital and non-digital options

# Project WET's Award-winning Pedagogy



# Project WET Resources

- Hands-on
- Simple—easy for teachers and parents
- Effective—employs learning through discovery
- Equitable—digital and non-digital options
- Plug-and-play
- Can be branded with your company logo
- Fun!



# Distance Learning Opportunities

- Self-paced Trainings
- Hands-on Lessons
- KIDS Booklets
- DiscoverWater.org
- Live Lessons, Trainings or Webinars

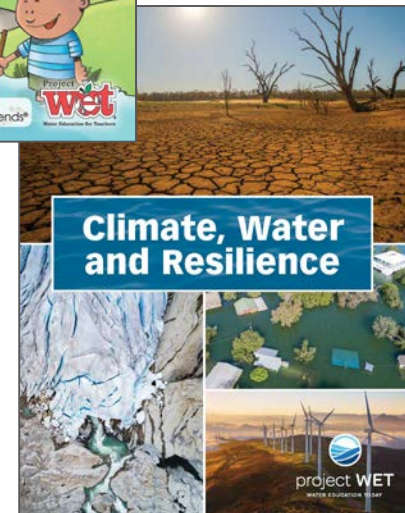
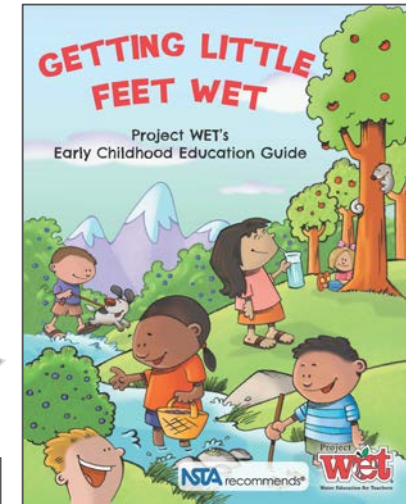
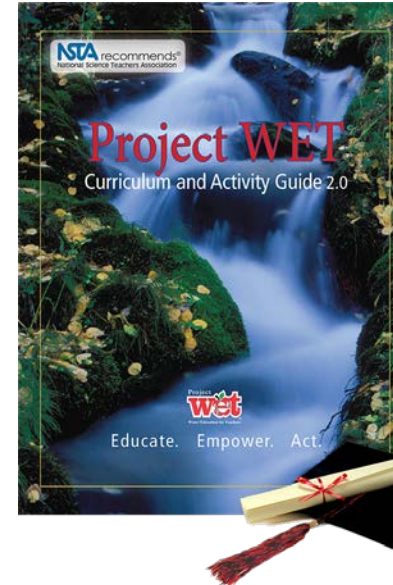
# Interactive Online Training Opportunities

Online educator trainings to get continuing education units (CEUs) and certified as a Project WET educator

Online trainings tailored to a water topic of your choosing

Water, sanitation and hygiene (WASH) trainings

Needs: Early childhood education, climate science, water reuse topics, educator-focused distance learning trainings



<https://www.projectwet.org/distancelearning#OnlineTrainings>

## What do educators say about our online training?

**92%**

increased  
knowledge of  
water for teaching

**94%**

recommend the  
training

**97%**

excited to use  
Project WET

**92%**

acquired new skills

**95%**

intend to become better water stewards  
as result of the online training

**95%**

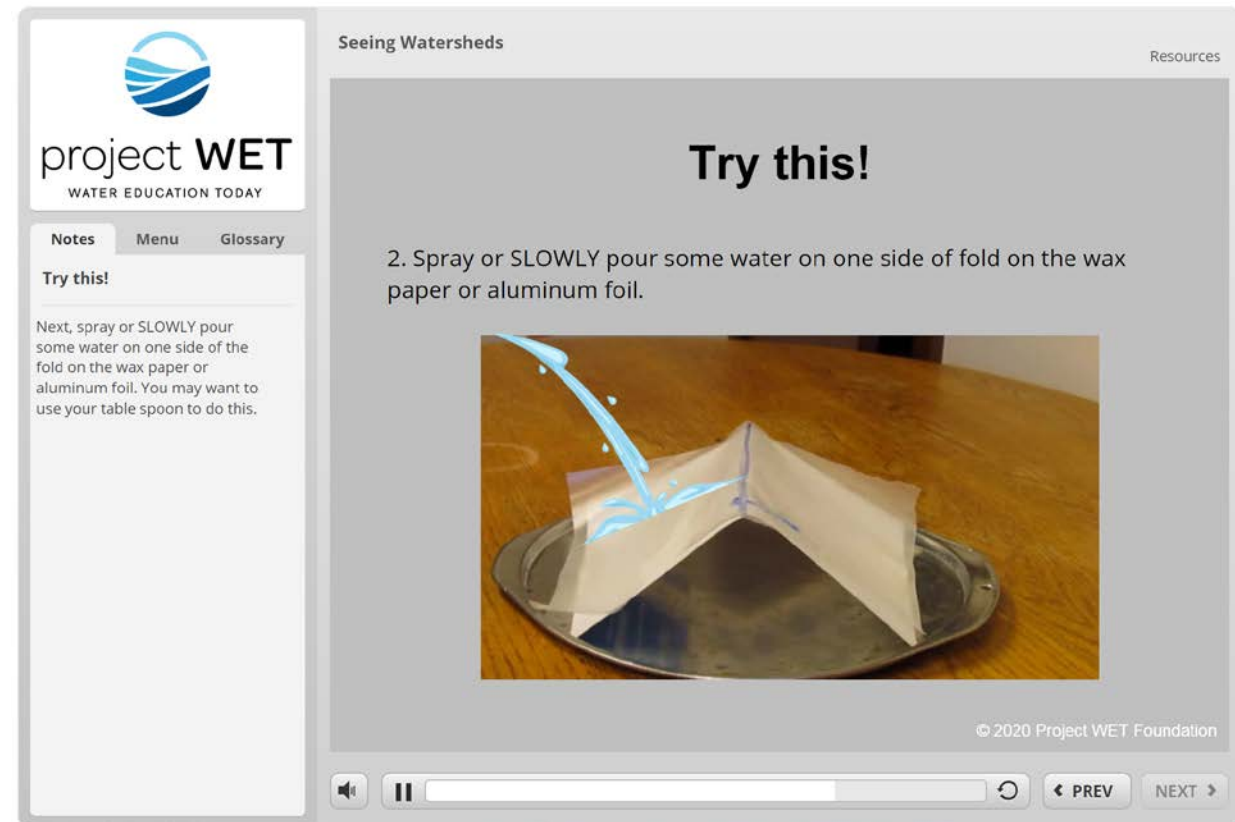
of educators believe students will learn  
from Project WET





# Hands-on Self-paced Student Lessons

- Step by step instructions for students with digital educator
- PDF with tips for educators and parents who want to assign this lesson
- Fun for children!
- Meets educational standards
- PDF versions available to print
- Branding Opportunities



The screenshot shows a digital lesson interface. On the left is a sidebar with the Project WET logo (a blue wave icon) and the text 'project WET WATER EDUCATION TODAY'. Below the logo are tabs for 'Notes', 'Menu', and 'Glossary'. Under the 'Notes' tab, there is a section titled 'Try this!' with the text: 'Next, spray or SLOWLY pour some water on one side of the fold on the wax paper or aluminum foil. You may want to use your table spoon to do this.' The main content area is titled 'Seeing Watersheds' and features a large heading 'Try this!' followed by the instruction: '2. Spray or SLOWLY pour some water on one side of fold on the wax paper or aluminum foil.' Below the text is a video showing a person pouring water from a blue spray bottle onto a white paper structure (a watershed model) placed on a silver tray. At the bottom of the interface, there is a copyright notice '© 2020 Project WET Foundation' and a video player control bar with a play button, a progress bar, a refresh button, and 'PREV' and 'NEXT' navigation buttons.

<https://www.projectwet.org/distancelearning#DigitalLessons>



## A Drop in the Bucket

To see the self-paced lesson go to:

<https://lessons.projectwet.org/drop-in-the-bucket/>

# Video Tutorials

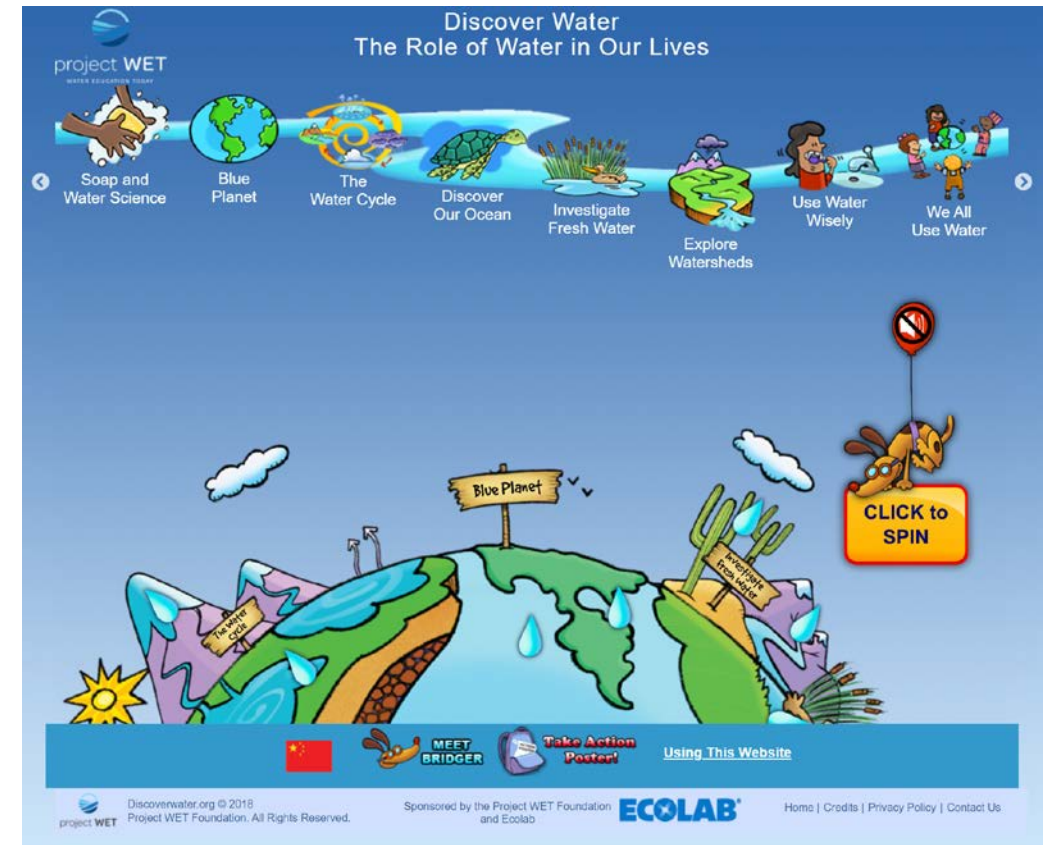


Video tutorials for parents or wanting to do fun water lessons with children at home.

Early childhood/preschool tutorials currently available.

# DiscoverWater.org

- Interactive learning website
- Targets ages 7-12
- Watersheds, oceans, handwashing and more...
- Fun for everyone!
- Additional resources for parents and educators
- Available in English, Spanish and Chinese



[www.discoverwater.org](http://www.discoverwater.org)

# Virtual Events



This photo shows high school seniors who attended a virtual prom via Zoom on April 16 hosted by the Baton Rouge Youth Coalition. (Baton Rouge Youth Coalition via AP)

Project WET can have live or coordinated group events for various audiences.

## Virtual Water Festival



# Survey Data Results

483 educators (68% K-12 classroom teachers)

## How did spring distance education “work”?

87% created their own curriculum

73% used online platform

17% not online at all

75% used video conferencing

64% DID NOT receiving distance education training

Hardest aspect of distance education: missing connection with students

## What do teachers need?

Hands-on lessons

Non-digital options

What Project WET can provide:

- hands-on, engaging, easy-to-use lessons
- easily sourced materials at home



Screen Time Fatigue

# KIDS Booklets

- Colorful and interactive for ages 7-12
- Over 70 titles: watershed specific, water conservation, floods, stormwater, groundwater and more!
- Digital PDFs or printed booklets





# Coming Soon: Water Reuse KIDS Booklet

- Sponsored by WaterReuse Association with multiple expert collaborators
- 16-page booklet – 7 pages spreads and sub-topics
- Estimated completion September 2020
- Available in print or digital format
- Opportunities for co-branding

# Webinars for Students or Adults

Content that is tailored for specific audiences.

## Project WET Activity: BLUE PLANET

What percentage of the surface of Earth is covered in water?

- A. 55%
- B. 63%
- C. 71%
- D. 83%

# Project WET Activity: BLUE PLANET



<https://www.discoverwater.org/blue-planet/>

# Project WET Activity: BLUE PLANET

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Calculation:

Land =

Water =

Total =

$\text{Water/Total} = X$  (multiply by 100 for percentage)

# Project WET Activity: BLUE PLANET

Total Area = 510,066,000 km<sup>2</sup>

Water Area = 361,637,000 km<sup>2</sup>

Land Area = 148,429,000 km<sup>2</sup>

% Water = .7085 or **71%**

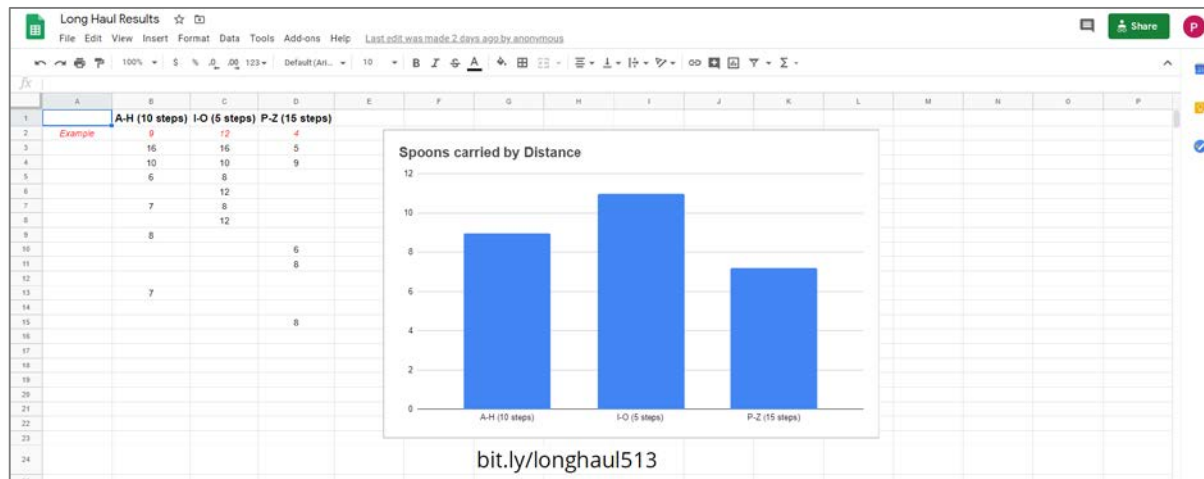
# Live Interactive Activities

## The Long Haul

Materials:  
2 mugs/cups – one full of water  
1 tablespoon  
A towel

First Name:  
A-H – 10 steps foot-to-foot  
I-O – 5 steps foot-to-foot  
P-Z – 15 steps foot-to-foot

1. Set empty mug at starting point.
2. Measure number of steps from starting point and put mug full of water at end.
3. Start at empty mug.
4. On "Go" walk to your water source (full mug) and bring one tablespoon back to empty mug.
5. Continue until I say stop and count the number of spoons you carry.

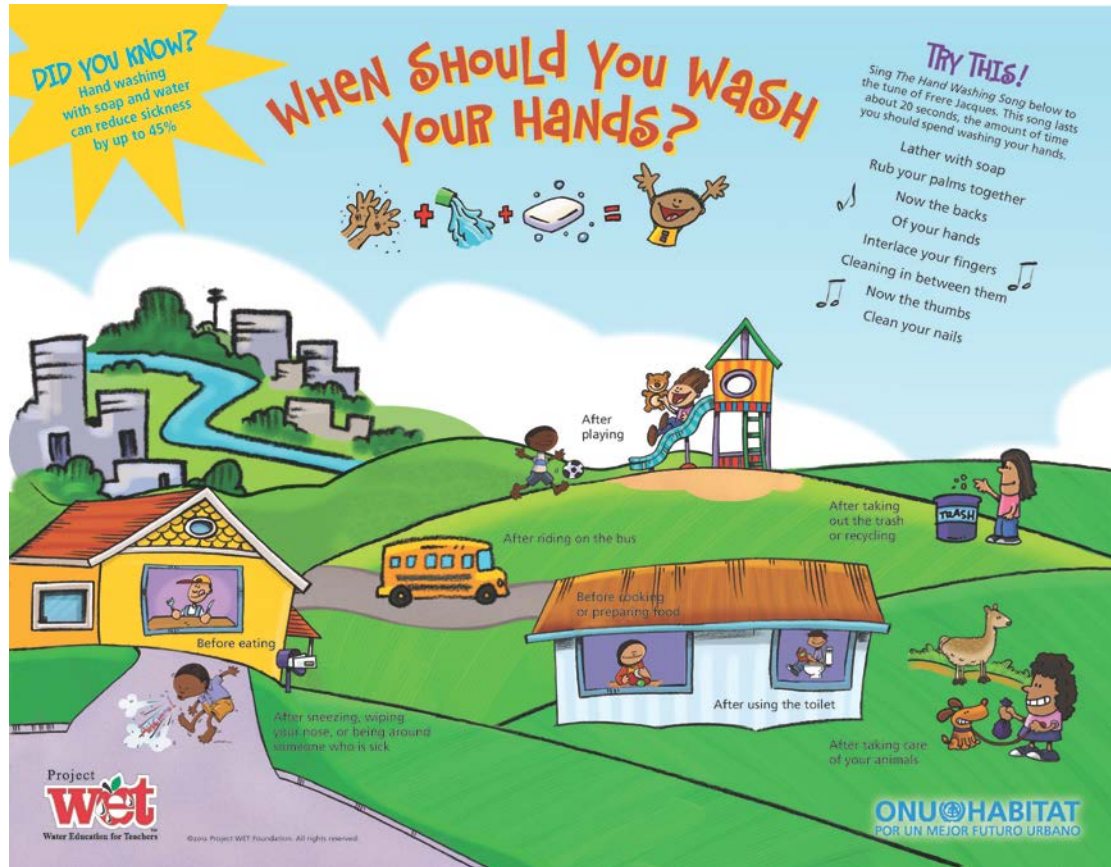


# Water, Sanitation and Hygiene

[www.projectwet.org/wash](http://www.projectwet.org/wash)



# Posters/Coloring Books



# Opportunities

- Promote Project WET's distance learning webpage to reach more educators and parent
- Educate your colleagues or employees about local water resources with an online lesson or training
- Attend a Project WET online workshop
- Sponsor a package of distance learning resources
  - digital and/or PDF lessons, online training for educators, KIDS booklets (digital and print)
- Sponsor online workshops for teachers in your community
- Sponsor the creation of a new student lesson or online training with your branding included
- Sponsor video tutorials for parents to do with their children



[www.projectwet.org/distancelearning](http://www.projectwet.org/distancelearning)

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project **WET**

WATER EDUCATION TODAY



# Discussion and Questions

[www.projectwet.org](http://www.projectwet.org)

