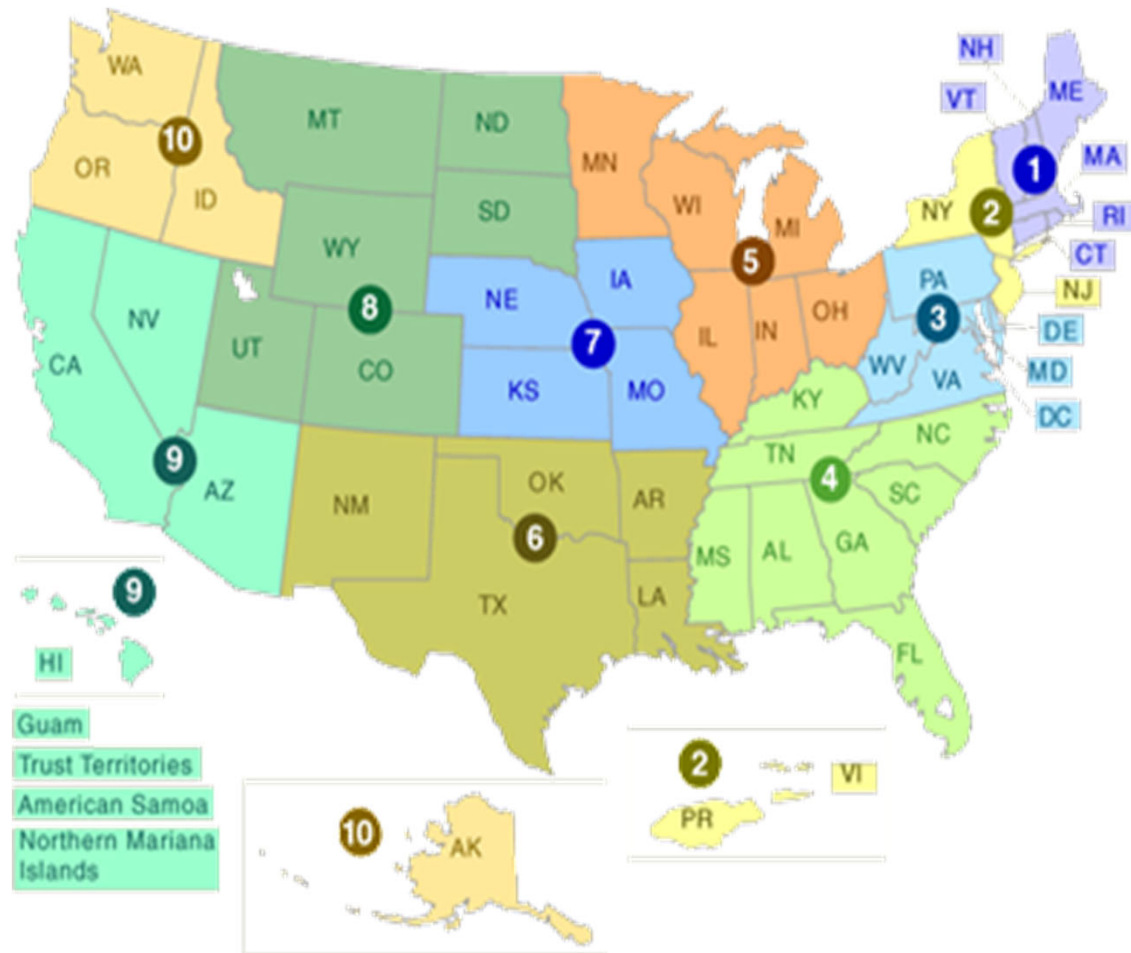




www.wichita.edu/workinwater



- Region 1** University of Southern Maine
- Region 2** Syracuse University
- Region 3** University of Maryland
- Region 4** University of North Carolina
- Region 5** Michigan Tech University
- Region 6** University of New Mexico
- Region 7** **Wichita State University**
- Region 8** National Rural Water Assoc.
- Region 9** Dominican University
California State University
- Region 10** Rural Community
Assistance Corp



A photograph of a water tower at night. The tower is illuminated from below, creating a strong contrast against the dark, starry sky. The tower's structure is visible, including the cylindrical tank and the supporting lattice. The background shows the silhouettes of trees.

OUR MISSION

To be a collaborative resource, creating solutions to environmental challenges to improve quality of life in communities.

OUR SERVICES

The WSU Environmental Finance Center's clients are public works departments, cities and counties, water and wastewater utilities, public organizations, government agencies, non-profits, school districts, tribes and more.



applied research
projects



professional
training



technical
assistance



WELCOME

WE'RE GLAD YOU'RE HERE!

I  *my job*

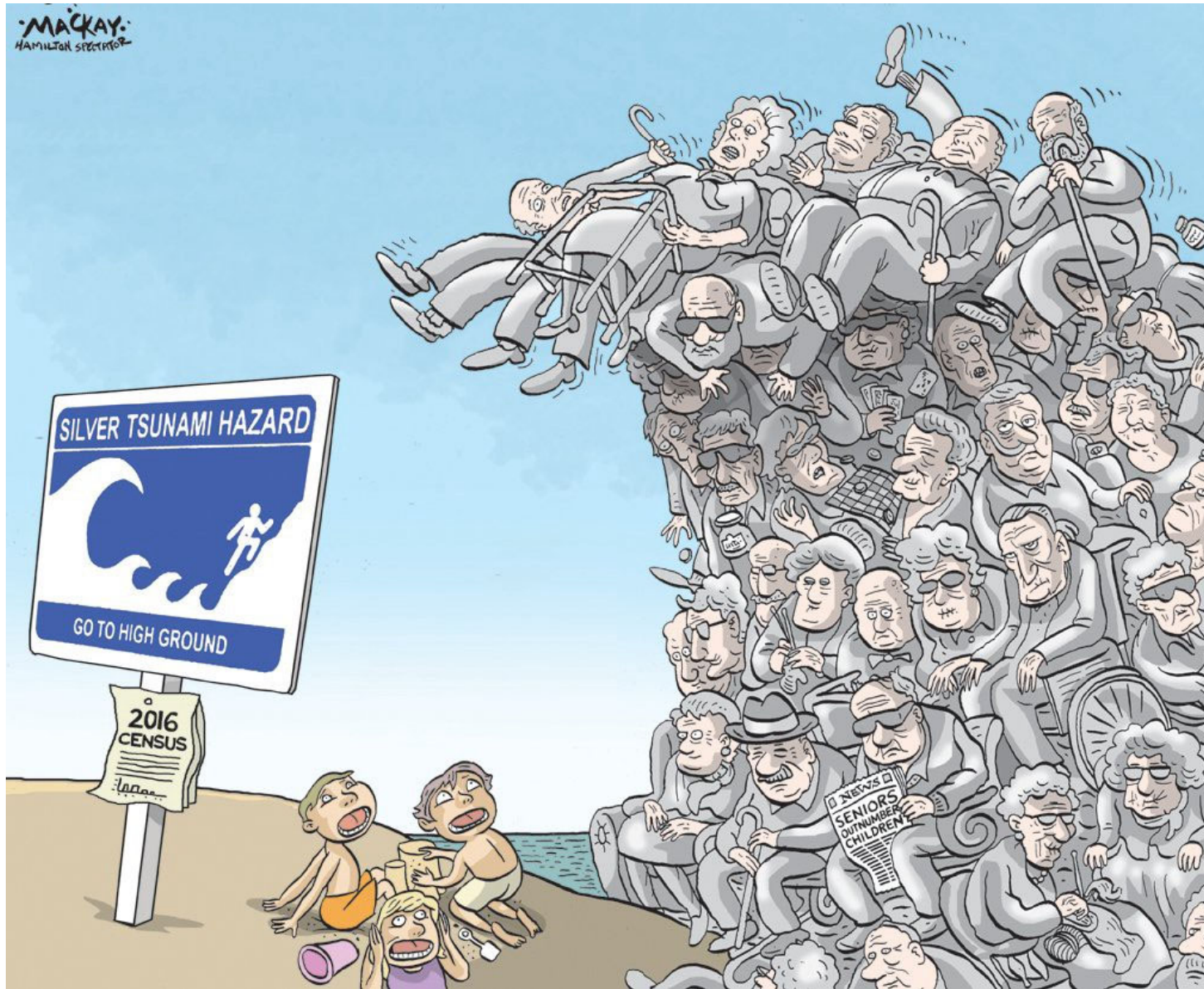
What Keeps Water Utility Managers Up At Night?



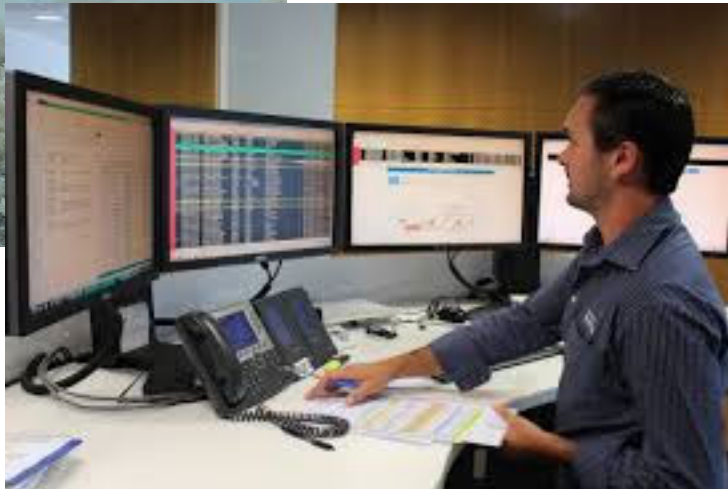


Only a few people on Earth, out of billions, can take the limited fresh water and make it safe enough to give it to everyone else.

MACKAY
HAMILTON SPECTATOR







**#1
Protectors of
Health
&
Economic
Development**

A fishing hook is shown against a dark grey background with a repeating pattern of light grey fish silhouettes. A white rectangular tag is attached to the hook, and the word "Talent" is printed on it in a bold, black, sans-serif font.

Talent





WORK *in*
WATER
advancing water careers in Kansas

STEERING COMMITTEE

Kansas Association for Conservation and
Environmental Education

Kansas Municipal Utilities

Kansas American Water Works Association

City of Garden City

Kansas Water Environment Association

City of El Dorado

City of Wichita

Kansas Department of Health & Environment

Public Water Supply Section



Work in Water Experience – Part 1

Classroom Activities



1.5 – 2 hours

At School, Civic Center,
Utility Meeting Room

PowerPoint &
Hands on Activities

Work in Water Experience – Part 2

Field Trip



1.5 – 2 hrs

At the Water and/or
Wastewater Plant

Facility Tour &
Career Talks

Work in Water Experience – Part 3

Summer Internship



6-9 Weeks

At the Water and/or
Wastewater Plant

Internship, Mentoring,
Hands-on Experiences

STUDENTS SAID



They learned about a career they might be interested in



They would tell their friends to attend Work in Water next year



The Work in Water Program is important

COUNSELORS SAID



Work in Water was a good use of the students' time

They would recommend Work in Water to other teachers/counselors

Getting Your Utility On Board

Sustainable solution for recruitment

Focuses career interest on your industry

Provides short-term support to operations

Fosters leadership skills in current staff

Builds community relationships

Offers fresh perspectives

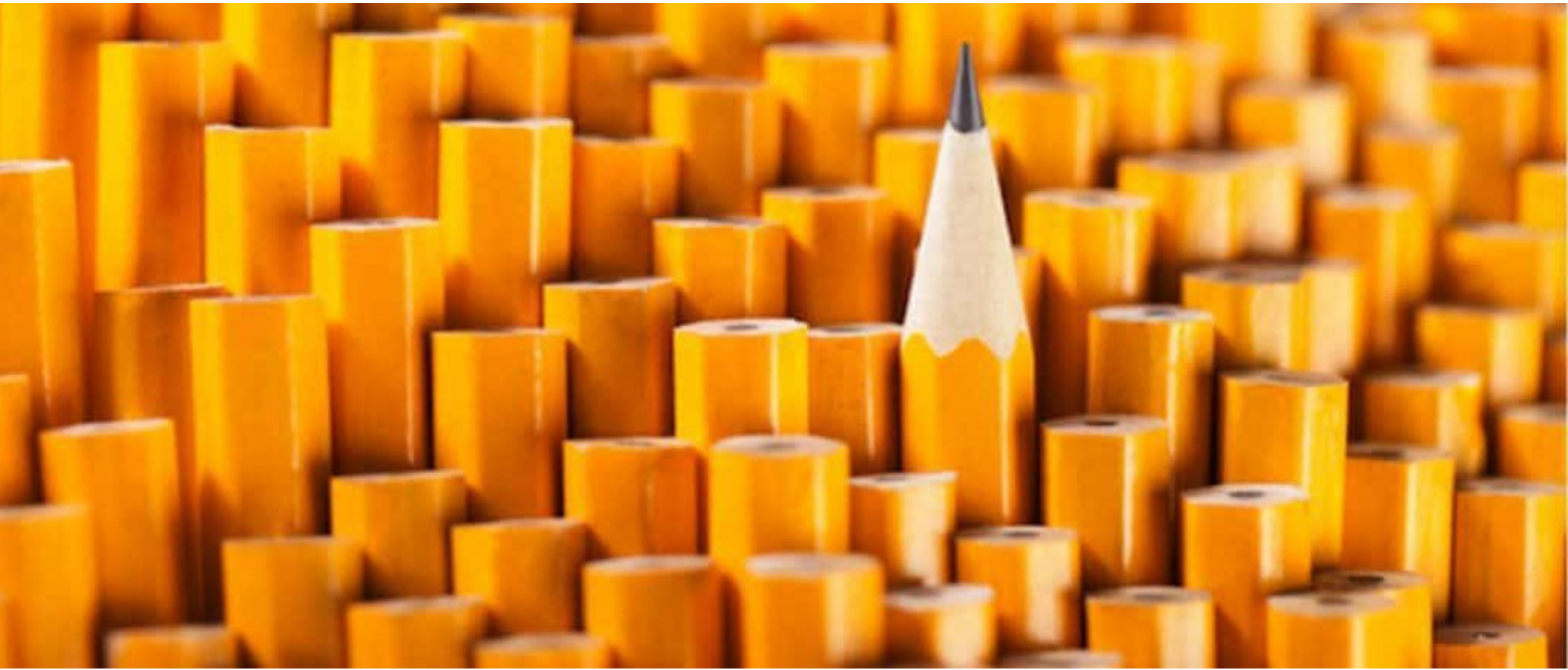


Getting Schools On Board



Connect with Counselors





You gotta stand out by making it easy!

Fit into the School Schedule



Full Day

- ▶ 1 group (<20) – classroom then tours
- ▶ 2 groups alternating (>20)

2 Half Days

Early Starts

- ▶ 2 mornings before school starts

WARNING: *Summer sessions didn't work for us...*

2 Morning Sessions

April 13, 2018

7:45 AM Students gather

8:00 AM Begin Work in Water Experience (715 W 2nd Street, OPD)

9:20 AM Students Released

April 20, 2018

7:45 AM Students Load the Bus

8:00 AM Bus Leaves School Lot

8:15 AM Tour the Water Reclamation Facility

9:15 AM Load Bus & Travel to Water Reclamation Facility

9:30 AM Tour the Water Treatment Plant

10:30 AM Load Bus

10:45 AM Students Back at School

Full Day – 2 groups

	8:30	8:45	9:00	11:15	12:00	2:30	2:45	3:00
Group A		Introduction @ Utility Service Center	Facility Tours		Work in Water Session @ Utility Service Center	Introduction @ Utility Service Center	Bus Pick Up	Back to School
Group B	Bus leaves school		Work in Water Session @ Utility Service Center	LUNCH	Facility Tours			

Full Day – 1 group

8:00	10:00	10:10	10:30	10:30	11:30	11:35	11:30	12:15	1:15	1:30	1:30	2:30	3:00
Work in Water Experience Ms. Wheeler's Classroom Olathe West High School	Bus Arrives at Olathe West	Bus Leaves Lot	Bus Arrives at Cedar Creek Wastewater Treatment Plant	Cedar Creek Wastewater Treatment Plant Tour	Load Bus	Bus Arrives at Environmental Lab	LUNCH	Environmental Lab Tour	Load Bus	Bus Arrives at Water Treatment Plant	Water Treatment Plant Tour	Load Bus	Bus Arrives Back at School

Toolkit for Schools

Event Promotion Tools

Emails

Posters

Social Media Posts

Video

Newspaper Article

Announcement

Extend Learning Tools

Lesson Plans

Student Research Projects





WORK *in*

WATER

advancing water careers in Iowa



WSU's Work in Water Experience Coming to THS on April 11

Why Should Students Attend?

- Fun day of career exploration & learning with friends
- Hands-on experiments, interactive projects and field trip to [Topeka Municipal Water Facilities](#)
- Participants qualify to apply for an exclusive paid summer internship
- Use this experience to build your resume

What is the Work In Water Experience?

WSU Environmental Finance Center's Work in Water Experience teaches Kansas high school students about the critical role that public water utilities fill in their community. This unique, hands-on learning program allows students to see the skills, technology, and people that are working to ensure the public has access to safe, healthy drinking water and water recycling resources.

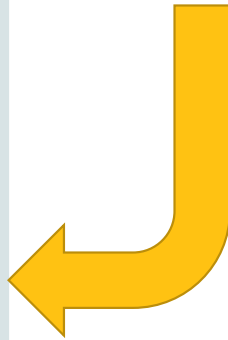
The Work In Water Experience introduces both college-bound and non-college-bound students to the vast range of career opportunities available in the water industry. [Learn more](#)

Register Today!

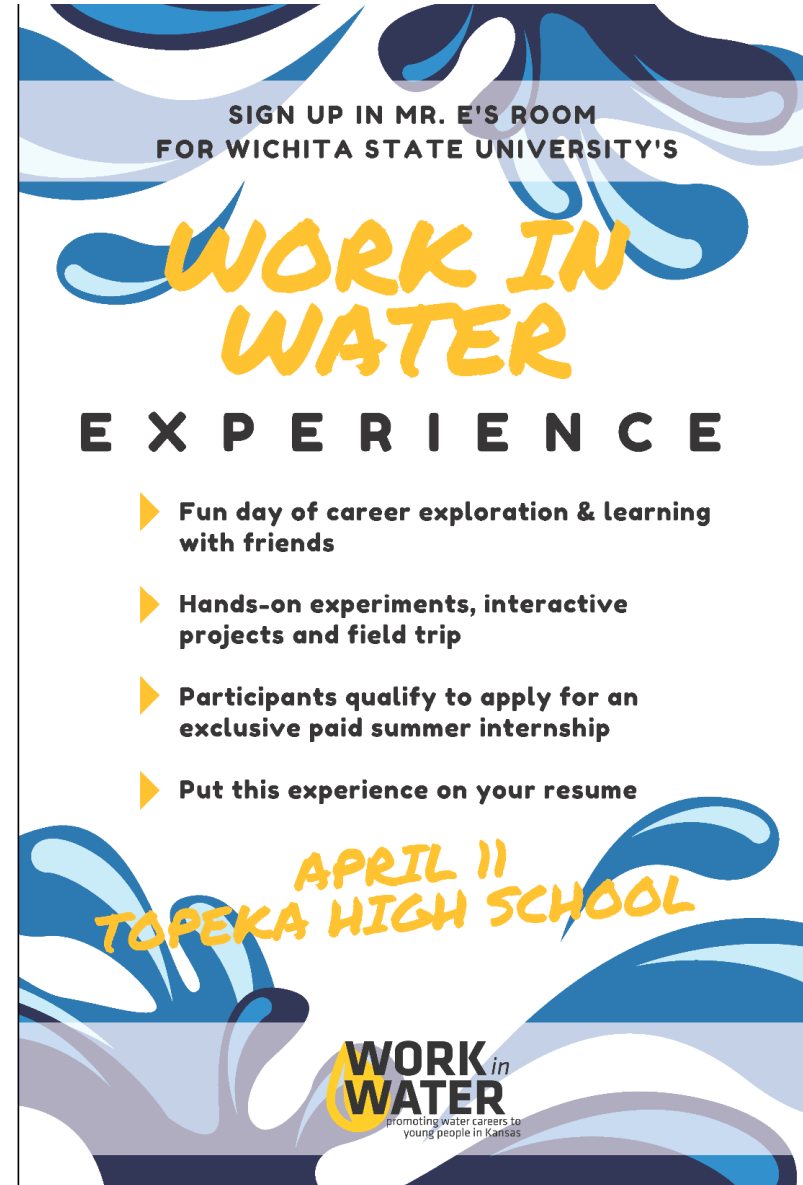
Contact: Mr. E. (785) 295-3150

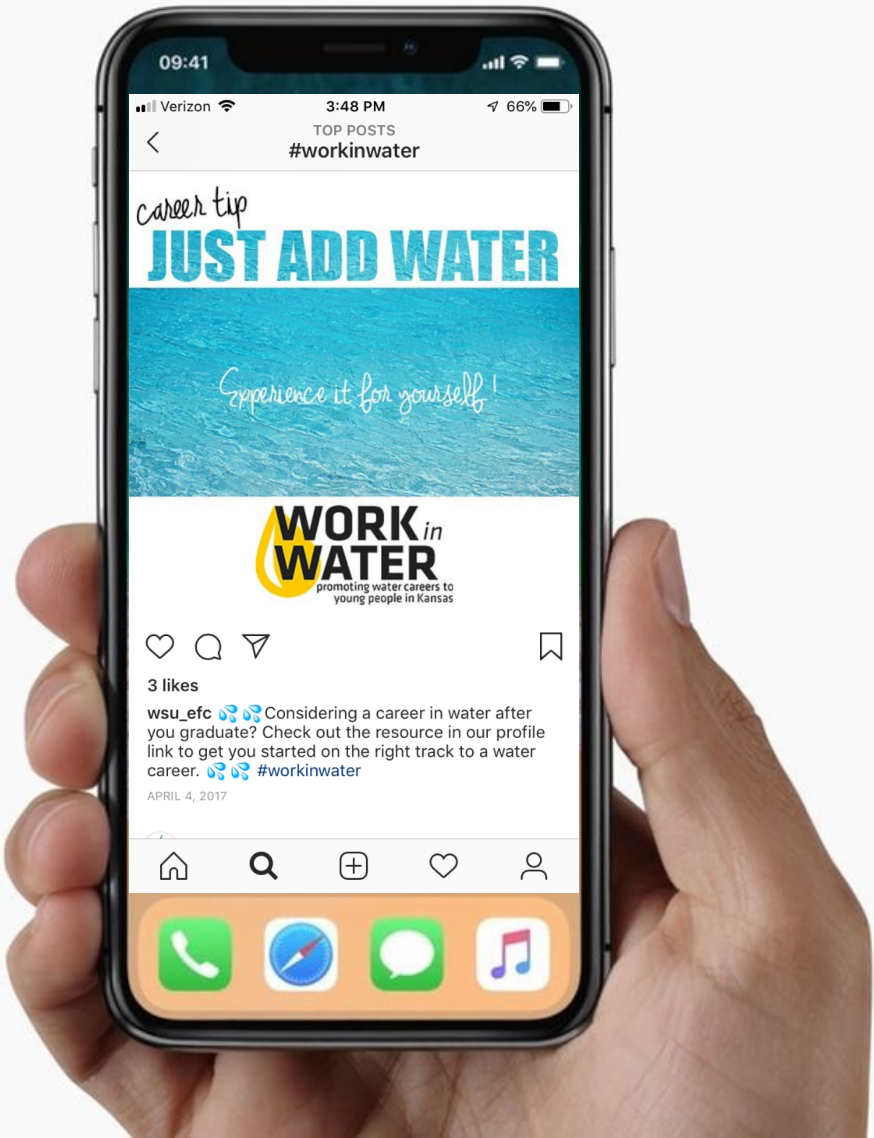


Email Templates



Poster Templates





09:41

Verizon 3:48 PM 66%

TOP POSTS
#workinwater



3 likes

wsu_etc Considering a career in water after you graduate? Check out the resource in our profile link to get you started on the right track to a water career. #workinwater

APRIL 4, 2017

PRE/POST EVENT LESSON PLANS

Help Wanted

Have students write a job ad for one of the jobs that they learned about related to water or waste water. Make sure the job lists salary range, education required, skills necessary and job description.

Bottle It?

- Compare bottled water and tap water. Use [EPA's fact sheet on bottled water](#) and online resources.
- Compare the regulations that impact bottled water with the regulations that impact water from public water systems.
- How do the costs compare? How much tap water can you buy for the cost of a bottle of water? A can of pop? etc.

Money Down the Drain

Calculate the amount of water lost due to water leaks. Set a faucet to drip. Have students conduct their own experiment to answer the questions: how much water do I loose in a month, week, year if my faucet drips at this rate.

Water Droplet Journey

Have students write a journal, create a presentation, etc about the journey of a water drop, falling as rain, and then going through the city's water system.

Water Chemistry Debate

Research both sides of the issue, and then hold a classroom debate on fluoridation of municipal water supplies. Be sure to discuss credible vs. non-credible websites. How do you tell the difference?

Water Pollution From Inside the House

Have students research issues related to prescription drugs in wastewater. How are antibiotics, painkillers, endocrine disrupters, etc impacting wildlife, fish and human water supplies? Have students develop a plan to reduce this type of pollution.

PRE EVENT STUDENT RESEARCH

Fun Websites to Explore the Water Treatment Process

- Audio Blog – What Happens to "Number 2" in the Second City
→ <https://soundcloud.com/curiouscity/what-happens-to-number-2-in-the-second-city>
- Interactive Online Graphics for "Where Does Your Poop Go"
→ <http://interactive.wbez.org/curiouscity/poop/>

Water Career Sites to Explore

- www.workforwater.org
- Top 10 Reasons to Get a Career in Water
- <http://watergrades.com/1960/top-10-reasons-to-get-a-career-in-the-water-treatment-industry/>

Scholarships

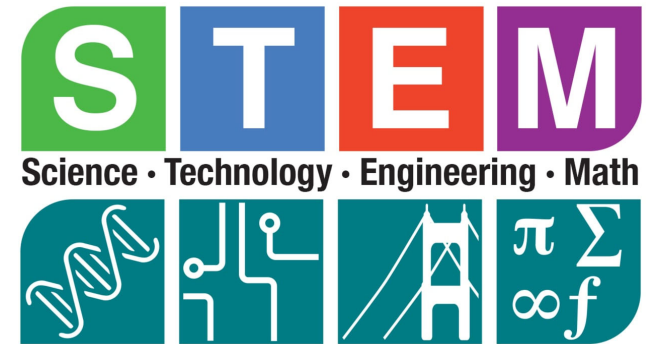
- Kansas American Water Works Association, Terry L. McKanna Scholarship – One or more \$1,000 scholarships each year. Students enrolled in an accredited college or university in KS. Applicants should be enrolled in courses related to career fields associated with the waterworks industry.
→ <http://www.ksawwa.org/conference/terry-l-mckanna-scholarship.html>
- American Water Works Association – various scholarships for various academic levels
→ <http://www.awwa.org/membership/get-involved/student-center/awwa-scholarships.aspx>

Messages that Resonate

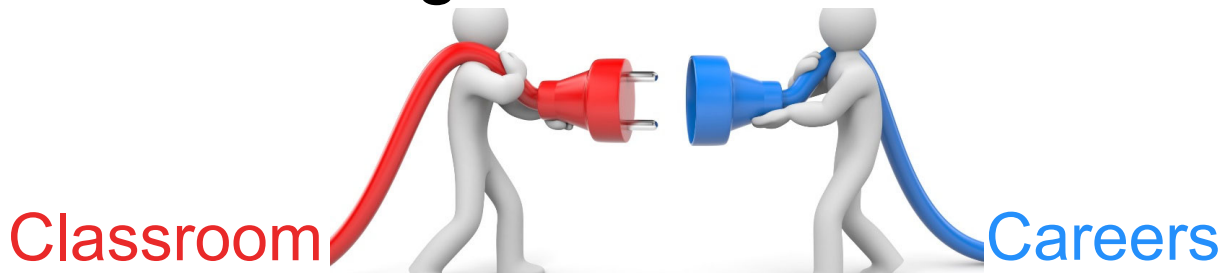
Great Paying
Job Right Out
of High School



STEM Career



Connecting Classroom to Careers



 Internship
Opportunity

Transportation



Make plans EARLY!

Costs vary

Make or break

Ask what the rules are

Ask what process is best

- ▶ School sets it up
- ▶ Utility sets it up

Cover costs

- ▶ Year 1 – WiW Mini-grant
- ▶ Year 2+ - utility, sponsor, grant,

PLANT TOUR EXPERIENCE



Ottawa - 2017

Preparing for Plant Tours



- ✓ Clean up
- ✓ Spruce up
- ✓ Up and running
- ✓ Signs up
- ✓ Prepare ALL staff

Plant Tours

Show process basics

Emphasize importance of safety and reliability

Visit the lab, basins, SCADA, offices, break room



Topeka - 2018

Interactive Plant Tours

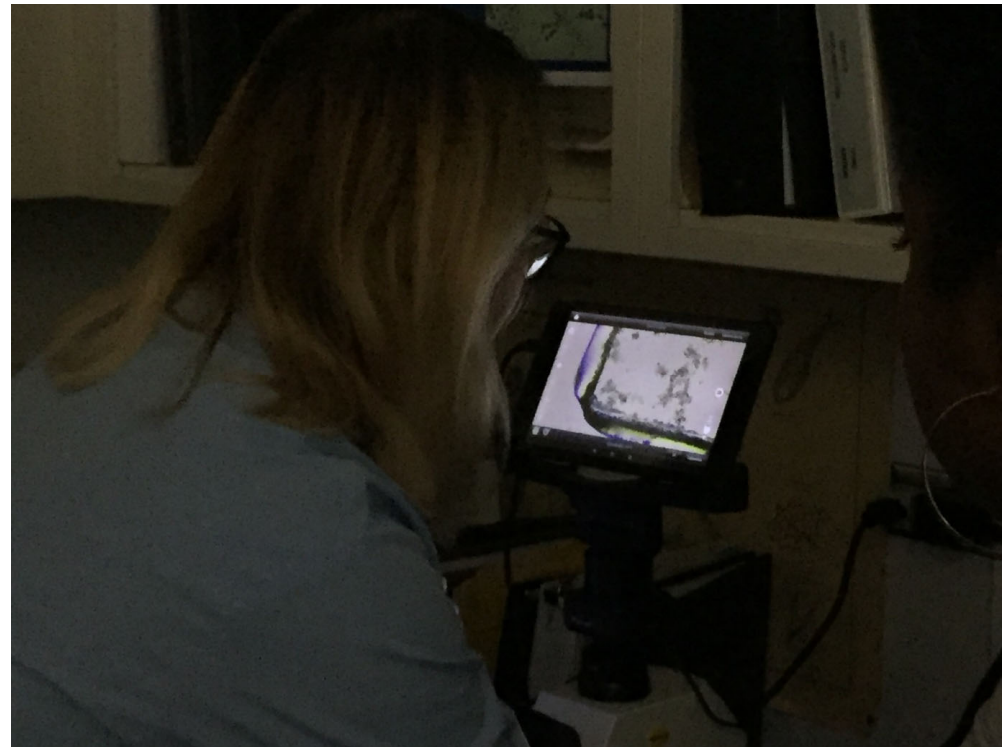
Do a chlorine or other test

Have microorganism samples ready to view in microscopes

Have some examples filter, pump, pipe, tool, meter, map, etc

Water taste test

Safety equipment relay



Wichita - 2017

INTERNSHIP EXPERIENCE



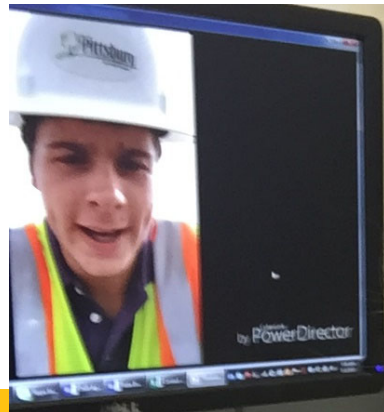
Lorraine – El Dorado



Bryce - Ottawa



Ricky - Ottawa

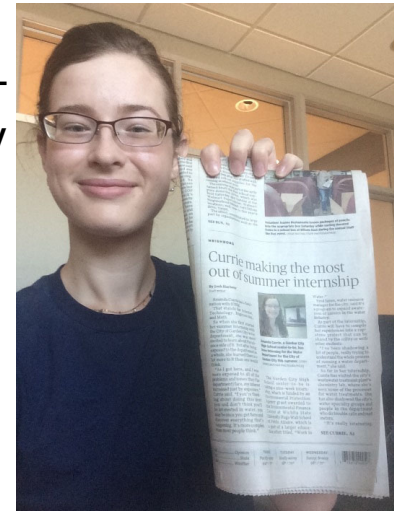


Connor –
Pittsburg



Miguel –
Wichita

Amanda –
Garden City





Lorraine's Work in Water Experience



Watch later



Share



Hiring an Intern

1. Touch base with HR
2. Finalize process
3. Choose interview panel
4. Review applications & interview
5. Choose



Hosting an Intern

- Provide **broad range** of experiences
- Provide **meaningful** work
- Assign a **buddy**, go-to
- Talk** about what to expect
- Check-in** frequently
- Recognize** hard work



Bryce, Ottawa - 2017

Possible Intern Experiences

Attending council meeting
Customer service/billing
Distribution system
chlorine residual testing
Hydrant testing/flushing
Lab tests
Lead repairs
Meter reading
Painting/mowing/etc

Plant tours
Residuals or sludge
management
Safety training
Sewer cleaning
Social media
Staff meeting
Well maintenance



Bryce, Ottawa - 2017



Potential Challenges

Intern Age/Laws

Safety Concerns

Enthusiasm

Generational Differences

Time

Lack of Job Experience

Transportation



Capstone Projects

Summer-long project

Intern's choice

Purpose: Share what they learned

Presentation

Video

Display for city hall

A school lesson

Blog

Social media posts

Sky's the limit



Lorraine, El Dorado - 2016

Evaluate Everything!

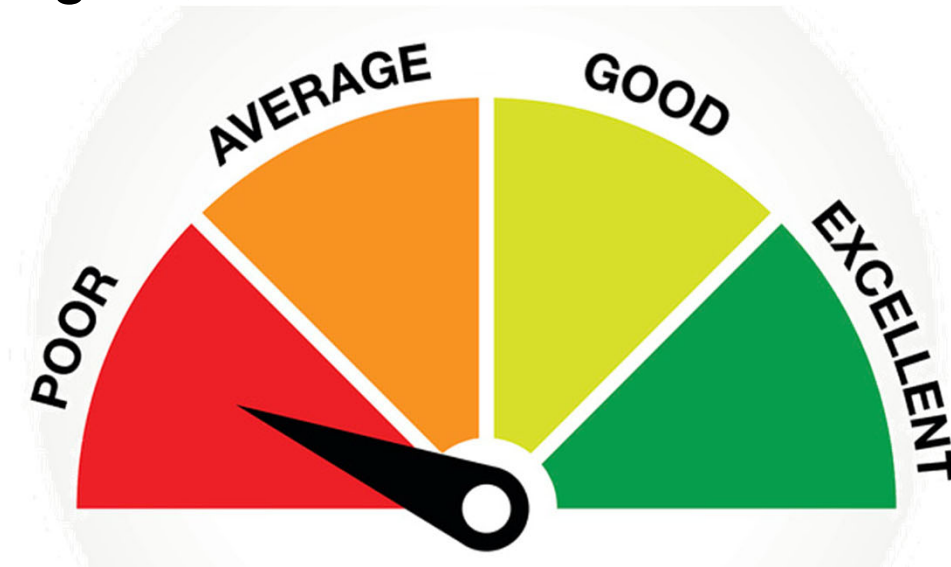
The Experience

students, counselors, teachers

Internship

intern, staff, managers, etc

*We will provide you
with eval tools!*



Why Evaluate?

Measure Success

Report Success

Identify Needed Program
Changes

Increase Program Support

Calculate Value – cost vs
benefit





**The Future of
Your Utility**

Increased
Productivity

Engaged
Employees

Pipeline
of Talent

Positive
Impact on the
Community

WHAT
WE
LEARNED!





Take
Pictures!

INSTAGRAM CONTEST!

Enter for your chance to win a
\$50 Amazon Gift Card!



EPIC FAIL

Work in Water Instagram Contest Rules

1. Attend **Work in Water Experience and Field Trip!**
2. Follow **@WorkinWater**
3. Post a photo that tells us **why water is important to your community**
4. Add **#workinwater** and mention your school!

▶ *Make sure your account is set to public*