San Antonio Water System

CELEBRATE WATER

IMAGINE

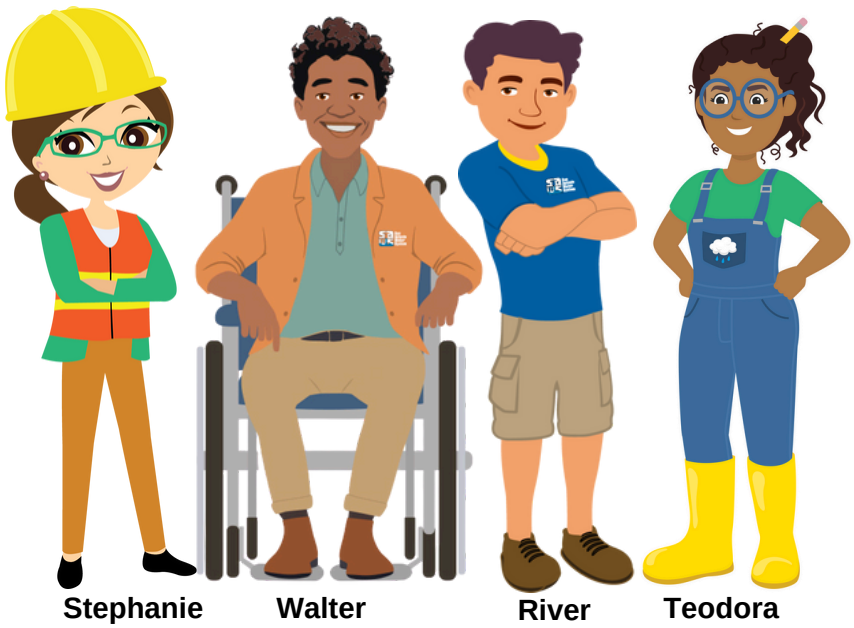
A DAY WITHOUT WATER

TEACHER GUIDE

Our Mission

The primary objective of Celebrate Water, initiated by the San Antonio Water System, is to cultivate an interest in water among young individuals, encouraging them to become active environmental stewards who carry these values into adulthood. By participating in various water-related celebrations, students can enhance their understanding and appreciation of water resources.

The educational materials provided through Celebrate Water include engaging lessons that are supplemented with hands-on activities, interactive experiments, and opportunities for outdoor exploration.
Completion of the Celebrate Water program equips students for further exploration at our Academy of Water Influencers, where they can apply their knowledge through exciting high school-level projects.



ACADEMY of WATER INFLUENCERS

Introducing the founders of the Academy of Water Influencers, an initiative dedicated to empowering high school students.

Stephanie, River, Walter and Teodora are passionate educators committed to leading students through each Celebrate Water adventure, ensuring that every lesson is both engaging and enjoyable.

Updated 08/25

Digital Student Guide Manual

How To Log In

The student learning guides are accessible exclusively through a direct link. If the link included in the SAWS email is unresponsive, please copy the entire web address and paste it into your web browser. Should this method also prove ineffective, do not hesitate to contact me at gabriela.diaz@saws.org.

To access the student learning guides on the SAWS Celebrate Water webpage, scroll down until you find the section containing our digital guides. Click on the button labeled "Access Here" or "Student Guide." The student learning guide will then open automatically in your web browser.

How To Print

All Student Activity Sheets and other printable materials will be available for download in PDF format. You can locate the PDF link beneath the student learning guides. These files can be printed using your personal printer.

Additionally, you may print the Student Activity Sheets directly from the digital learning guide by clicking the printer icon in the bottom right corner of the screen. This action will generate a PDF of the student guide. Please note that downloading the student learning guide may take several minutes, depending on the file size. Once the download is complete, you will be prompted to specify the pages you wish to print.

Print

Digital Student Guide Manual

How To View in Full Screen

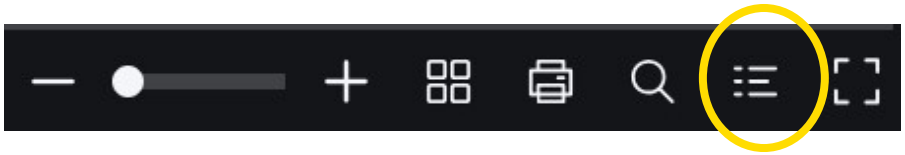
To view the student learning guide in full screen, click the square icon located at the bottom of the screen (as illustrated below). To exit full screen mode, you can either press the ESC key on your keyboard or click the same icon again. An exit full screen message will appear above the icon to confirm the action.

Full screen

Table of Contents

A table of contents feature has been introduced to facilitate easy navigation to specific lessons or the glossary. This enhancement serves as a valuable resource for students.

Table of contents



Learning Module Guide

Open the Learning Module

- To access the learning module, simply use the direct link or click on the interactive guide button provided on the SAWS Celebrate Water webpage.
- The interactive learning module will open in a new browser tab. Click on start.
- Recommended browsers: Google Chrome, Firefox, or Edge for the best experience.

Navigating the Slides

- Click arrows on the sides of the screen to move forward or backward.
- Use your keyboard right arrow moves to next slide and left arrow moves to previous slide.

Interacting with Elements

- Hover over images, icons, or buttons to see if they are clickable.
- Click on interactive indicator to see what elements are clickable on the slide.

interactive element button

- Some slides may contain pop-ups, links, or videos. Make sure to click or tap to explore.

Zoom and Full Screen

- Click the full screen icon, in the bottom right corner, for an immersive view.

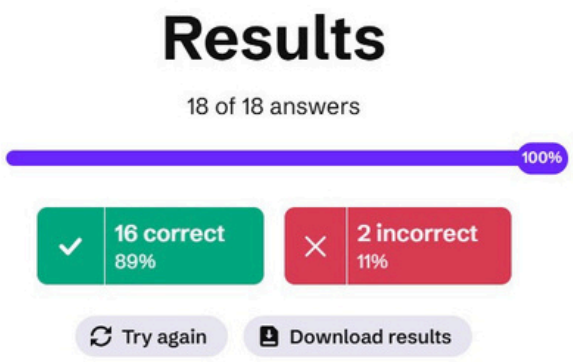
Audio and Video

- The learning modules include sound and video, please make sure your device volume is on.
- To mute all sound in the module click on the gray audio button. 
- To listen to an audio narration click on the speaker button. 
- Videos can be paused or played by clicking on the play/pause icon.

Learning Module Guide

Results

- As students move through the learning module, their answers and progress will be saved automatically.
- If a student stops the learning module before completing it, they can resume from where they left off without losing any of the work they have completed.



Resetting Results

- After all questions in the learning module are answered, the student's score or results will appear on the screen.
- Students can download results as a PDF file or click on try again.
- If students click on try again, it will restart the module and they can go through it again to improve their score.
- Each time it resets, a new set of results is recorded.

Contact

If you encounter any difficulties accessing the learning guides or modules, please do not hesitate to contact me at gabriela.diaz@saws.org, (210) 233-2078.
I am here to help you troubleshoot any issues.

Thank you!

TEKS

The educational material included in Celebrate Water student learning guides align to the state curriculum standards, the Texas Essential Knowledge and Skills designed for students from second to fifth grade.

Grade Level	SCIENCE (2020)	ELAR (2022)	SS (2020)	MATH (2022)
2nd	2.1A, 2.1D, 2.1E, 2.3, 2.3C, 2.5G, 2.6A, 2.11B	2.1, 2.3, 2.6F, 2.6H, 2.7C, 2.7E, 2.7F, 2.13E	2.5C, 2.10C, 2.15, 2.16, 2.16D, 2.16G, 2.17	2.1C, 2.3C, 2.10
3rd	3.1, 3.1D, 3.3, 3.3C, 3.6C, 3.11B, 3.11C,	3.1, 3.1E, 3.3B, 3.6, 3.6F, 3.7,	3.3C, 3.9C, 3.14, 3.14D, 3.15,	3.1B, 3.1C, 3.7E, 3.9B
4th	4.1, 4.1A, 4.1D, 4.1E, 4.6A, 4.11, 4.11B	4.1, 4.3, 4.3B, 4.6, 4.6F, 4.7E	4.19, 4.21, 4.21A, 4.22	4.1, 4.1B, 4.1C, 4.8A, 4.9
5th	5.1, 5.1A, 5.1D, 5.1E, 5.3C, 5.6, 5.11	5.1, 5.3, 5.6, 5.6F, 5.6H, 5.7	5.23, 5.25, 5.25A, 5.25D	5.1, 5.1B, 5.1C, 5.6

Glossary

bay: A body of water partly surrounded by land.

conserve: To save or protect something.

evaporation: Water on Earth heated by the sun that rises into the air as water vapor.

freshwater: Water that is not salty; found in lakes, rivers and underground.

glacier: A very large piece of ice that moves slowly.

ground water: Water that is found underground.

Imagine A Day Without Water: A National Day of Action aimed at uniting communities and advocates to ensure access to clean drinking water and sanitation services are available for all.

lake: A body of water surrounded by land.

natural water source: Water that is found in nature.

ocean: The largest body of salt water that covers the Earth.

river: A stream of water that empties in a lake or ocean.

salt water: Water that contains dissolved salts; found in oceans.

surface water: Water that collects on the Earth's surface.

The Academy of Water Influencers: A virtual institution of action designed to empower high school students to become water leaders and influencers based here in San Antonio.

water cycle: The continuous movement of water from the earth to the atmosphere.

San Antonio Water System

Answer Key

Lesson 1

The Water Surrounding Us

Investigating Natural Sources of Water

Instructions: Match each vocabulary term to its definition by writing the correct letter on the line.

C. 1. A very large piece of ice that moves slowly.

F. 2. Water that is found underground.

G. 3. Water that is not salty; found in lakes, rivers, and underground.

D. 4. Water found in nature.

J. 5. Water that collects on the Earth's surface.

E. 6. The largest body of salt water that covers the Earth.

H. 7. A body of water surrounded by land.

B. 8. Water that contains dissolved salts; found in oceans.

A. 9. A body of water partly surrounded by land.

I. 10. A stream of water that empties in a lake or ocean.

A. bay

B. salt water

C. glacier

D. natural water source

E. ocean

F. ground water

G. fresh water

H. lake

I. river

J. surface water

San Antonio Water System

Answer Key

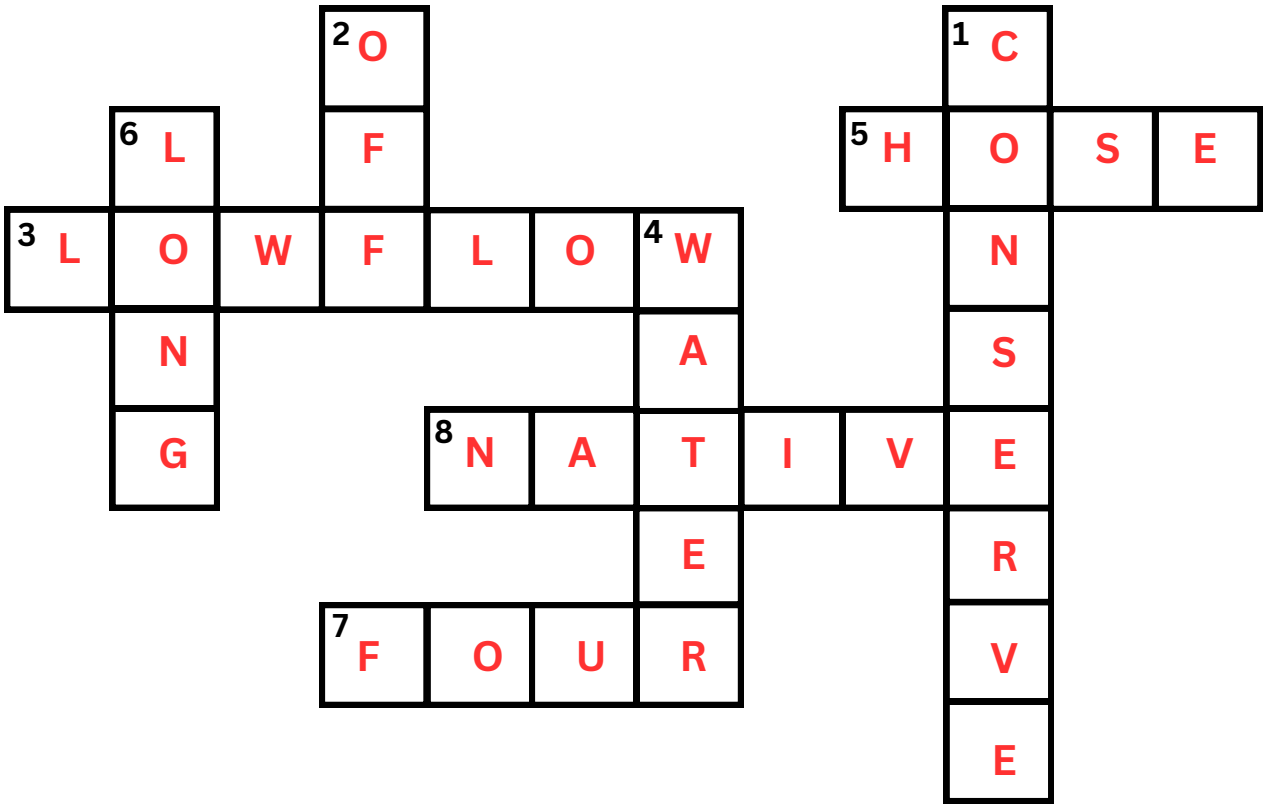
Lesson 1

It's Time to Conserve

Crossword Puzzle

Instructions: Complete the crossword puzzle using the words and clues provided below.

OFF **WATER** **FOUR** **NATIVE** **LONG** **CONSERVE** **LOW FLOW** **HOSE**



DOWN

1. To _____ means using only the amount of water we need.

2. Turn _____ the water while brushing your teeth.

4. _____ is the most important substance for life on Earth.

6. Do not take _____ showers.

ACROSS

3. You can conserve water by having _____ _____ shower heads installed.

5. Do not use a water _____ to sweep the driveway.

7. Toilets use _____ to seven gallons of water with each flush.

8. _____ plants do not need as much water to grow.

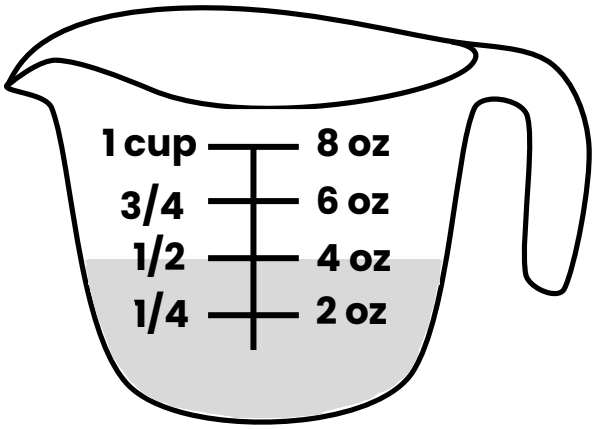
San Antonio Water System

Answer Key

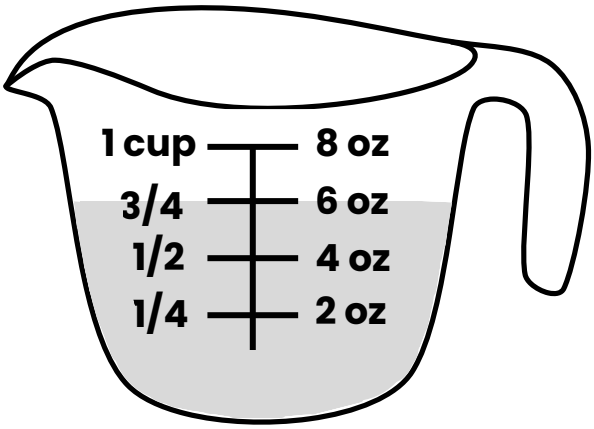
Lesson 2
Pre-Lesson Activity

PRACTICE
Using Measuring Cups

Instructions: Color the measuring cup up to the indicated amount.

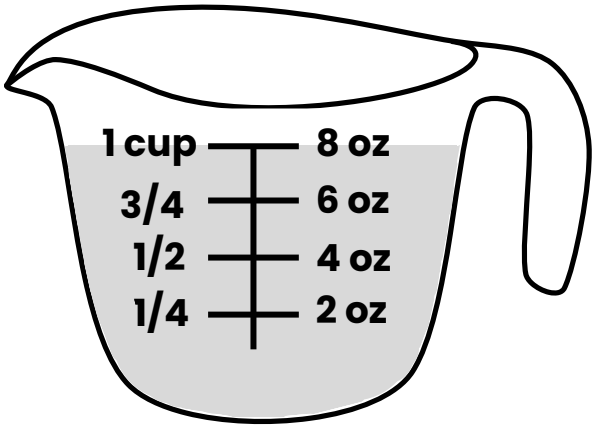


1/2 CUP



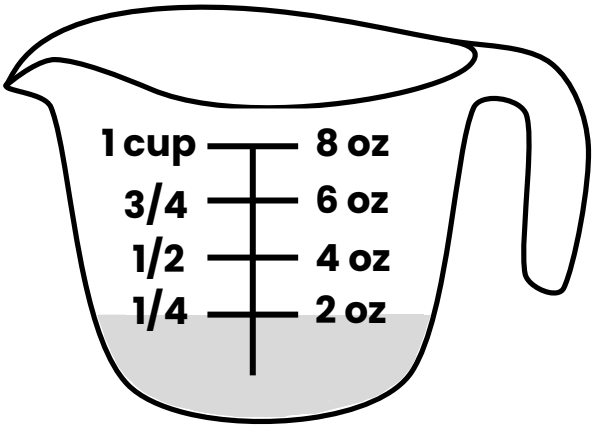
3/4 CUP

Instructions: Write down the measurement of each measuring cup in cups and liquid ounces.



1 cup

8 oz.



1/4 cup

2 oz.

San Antonio Water System

Answer Key

THE CASE OF THE DISAPPEARING WATER

STEP 1

Read *"The Case of the Disappearing Water."*

STEP 2

Write down the facts of the case:

1. Original amount of water in the measuring cup

1 cup

2. Amount of water in the measuring cup now

3/4 cup

STEP 3

Write down where Frank Flowers said his mother might be:

1. If Mrs. Flowers has been gone for less than a day, she probably

went shopping.

STEP 3

2. If Mrs. Flowers has been gone for less than 3 days, she may be

visiting one of her sisters.

3. If she's been gone for more than 3 days but less than 7, she's probably

taking a vacation on a cruise ship.

4. If she's been gone for more than 7 days but less than 6 weeks, she's probably

received an art grant.

5. If she's been gone for more than 6 weeks but less than two months, she is

at her mountain cabin.

6. If she's been gone longer than two months,

aliens captured her and took her to another galaxy.

San Antonio Water System

Answer Key

THE CASE OF THE DISAPPEARING WATER

STEP 4

Develop a hypothesis.
Tell what you think will happen before you do the experiment.

1. How long do you think the water was left on the window sill?

student answers will vary

2. Where do you think Mrs. Flowers went?

student answers will vary

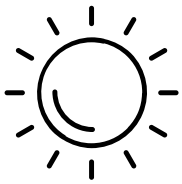
EXPERIMENT

Perform an experiment to establish approximately how long it took for the water to evaporate.

MATERIALS NEEDED

ONE CUP LIQUID MEASURING CUP

WATER



SUNLIGHT

PENCIL

THE CASE OF THE DISAPPEARING WATER **EXPERIMENT DATA SHEET**

San Antonio Water System

Answer Key

THE CASE OF THE DISAPPEARING WATER

Experiment Data Sheet

STEP 5

Directions:

Write the date you begin with the water evaporation experiment.

1. Write down today's date: _____

2. Fill the measuring cup to the 1 cup line with water.

3. Put the cup in a sunny window.

4. Record how many days it takes for the water in the measuring cup to be at the three-fourths cup line. You may use the back of this sheet if needed.

STEP 6

Write your conclusions.

1. It took approximately _____ days for the water to evaporate.

2. Where should Frank begin looking for Mrs. Flowers?

student answers will vary based on answer for #1

_____

_____

San Antonio Water System

CELEBRATE WATER

TEXAS WATER ART CONTEST

K-6th GRADE

Sign up your classroom by

October 10, 2025

Submitting Artwork

- Traditional artwork can be shipped to Gabriela Diaz at SAWS Headquarters (2800 US HWY 281 N. SATX 78212)
- Digital or Scanned artwork can be emailed to nbhubbard@sig-auto.com (Student Name and Grade in subject line) or uploaded online with the entry form (10 MB limit)

ENTER ONLINE

Submission Guidelines:

- Only one entry allowed per student
- Online Entry Form with short response is required.
  Short response: Why should we celebrate water? OR Tell us the inspiration for your art! Student's quote will be printed in the calendar, if selected as a winner.
- Size guidelines: Letter page (8.5 x 11 inches)
  Wide / landscape format is preferred
  Tall/ portrait drawings may be cropped

Questions? Contact Gabriela Diaz at gabriela.diaz@saws.org or call (210) 233-2078. I'll be happy to help!

imagine a day without water
art contest
Presented by WEAT & TAWWA

Tip for Teachers: Fill out this section BEFORE giving away copies!

Teacher/Organizer Information	
Organizer Name	
Email & Phone	
School / Organization	
City	

NOTE: If you prefer, scan the QR code to upload artwork and fill out details in our ONLINE ENTRY FORM instead of using this sheet → → →

Student / Artist Information			
Title of Art			
Student Name			
Grade Level (K-6th are eligible)		City	
Write 1-2 sentences explaining WHY WE SHOULD CELEBRATE WATER or simply describing the inspiration for your artwork (you may attach another sheet). *Note: Answers from the winners will be printed in the calendar!*			
PARENTS/GUARDIANS, PLEASE COMPLETE THIS SECTION			
Parent/Guardian Name			
Parent/Guardian Phone Number		Email	
Address where prizes will be mailed if selected			
If selected, do you agree to have your student's first name, grade, school name, and school's city printed in the calendar?	□ YES, please print the artist's credit □ NO, please label the artwork by "anonymous"		

BY SUBMITTING THIS ENTRY FORM, I CONFIRM THE INFORMATION PROVIDED ABOVE IS CORRECT. I understand that the artwork will become the property of the Water Environment Association of Texas (WEAT) and American Water Works Association (AWWA), two nonprofit organizations, and is for WEAT/AWWA's printed and digital use.

Parent/Guardian Signature **Date**

WHERE'S THE WATER

EXPERIMENT

LEVEL: EASY / TIME: 5 MIN

How it Works

In this experiment the secret is a superabsorbent polymer called sodium polyacrylate. A polymer is a long chain of like molecules (monomers). The prefix "poly" means many; the prefix "mono" means one. Superabsorbent polymers are able to expand exponentially when they come in contact with water. The molecules of the polymer draw the water in and hold onto it.

Materials

Water Storing Crystals (Miracle -Gro)

Clear Plastic Cup

Water

Instructions

1. Add a small amount of the Water Storing Crystals in to a cup.
2. Pour in enough water to cover the crystals.
3. Watch what happens.
4. Pick up the cup and try to pour the water back out.

Analyze: Where is the water? Pour the crystals out and examine them. How are they different?

Share and discuss experiment results together.

San Antonio Water System