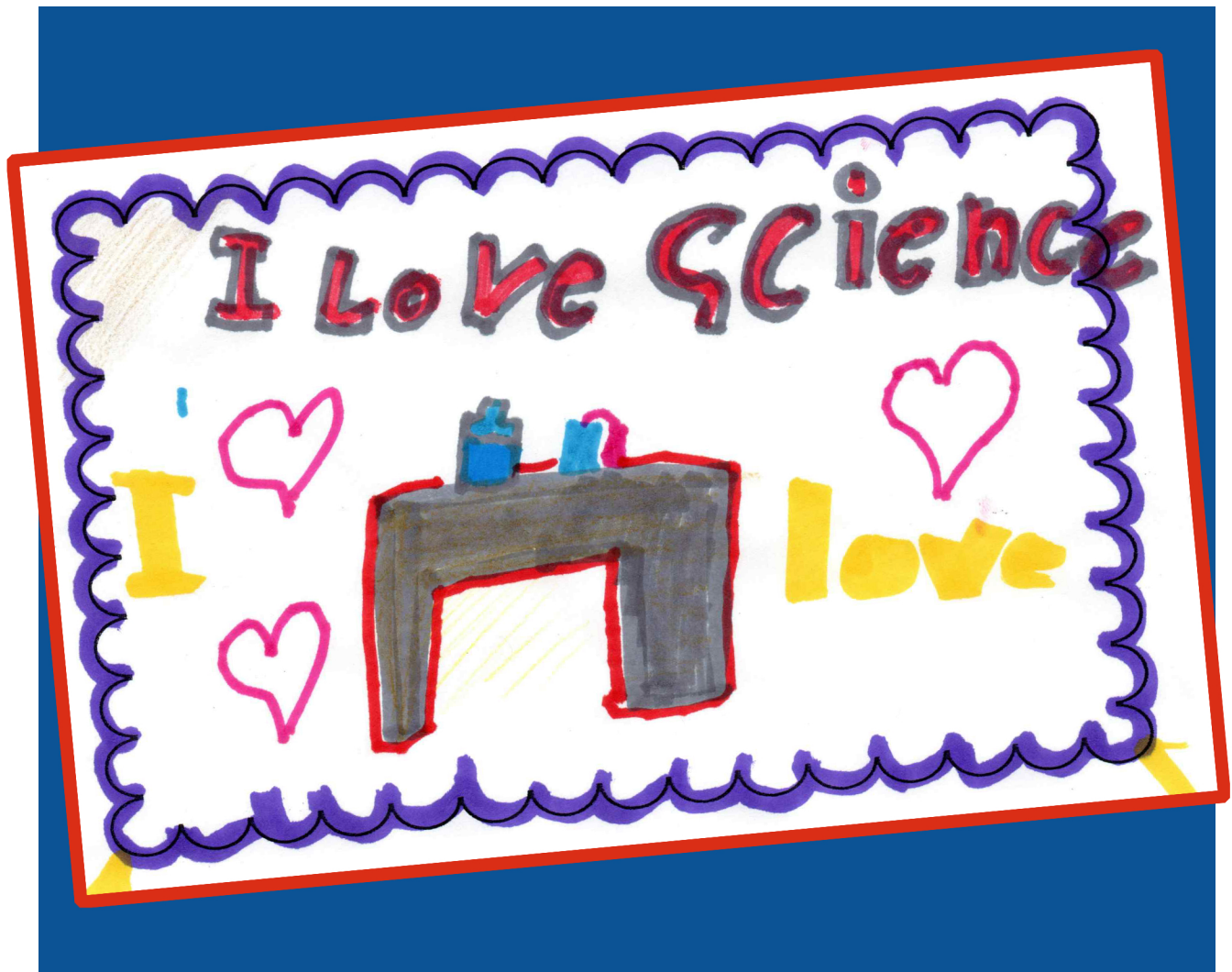


# SAWS Water Education Program



# ANNUAL REPORT

## 2022/2023 School Year



**SAWS** Stockton East Water District  
California Water Service Co.  
Stockton Area Water Suppliers  
San Joaquin County  
City Of Stockton

WATER EDUCATION PROGRAM

*Report Summary*



**WATER EDUCATION PROGRAM**

# **SAWS Water Education Program Annual Report**

**School Year: 2022/2023 ♠ August 1, 2022 through July 31, 2023**

## **Report Summary**

This report presents an overview of the implementation of the Stockton Area Water Suppliers (SAWS) Water Education Program in the 2022/2023 school year. The report includes a summary of the year's outreach effort, a full report, the data and statistics resulting from that outreach effort, a description of the programs and presentations offered to Stockton area educators by the SAWS Water Education Program, participant feedback, and a plan for the 2023/2024 school year.

In the 2022/2023 school year, the four school districts served by SAWS returned to normal operations. The virtual program offered during COVID was no longer necessary. The Zun Zun assembly program was discontinued. In its place, the coordinator and staff are producing a short video entitled "Where Does My Water Come From?" for use virtually and in the classroom for grades 2-6. The video will trace Stockton's water supply from source to tap.

The SAWS Water Education Program calendar for the 2022/2023 school year was fully booked by the end of May 2021. Presentations began on September 1, 2022. Starting in September allows teachers to become familiar with their students and get them settled into a routine before introducing a visitor.

In the 2022/2023 school year, the SAWS Water Education Program offered six grade-level specific in-class presentations and participated in a variety of Stockton area youth-oriented events. The virtual program on Padlet continued to be offered to teachers to use as pre-teaching, supplemental and follow-up resources.

In the 2022/2023 school year, the SAWS Water Education Program reached 10,434 students in 341 classrooms through the in-class program and 10,170 students at six youth-oriented events, for a total of 20,604 students in 54 Stockton area schools, venues, and events. A breakdown into specific categories (presentation type, grade level, school district and water provider) is presented in the "Program Stats" section of this report.

## **2022/2023 Program Highlights:**

In the 2022/2023 school year, the SAWS Water Education Program offered in-class presentations, virtual/resource learning through Padlet and participation in local, youth-oriented events.

- The program served 54 schools and venues, supplying supplies and materials for 347 classrooms, and participated in six youth and environmental education oriented events, reaching a total of 20,604 students and citizens.
- The coordinator attended a variety of on-line meetings and seminars, including DWR’s Water Education Committee meetings, SAWS meetings and Drought/Flood Committee meetings via Zoom/Teams. The coordinator is also a member of the San Joaquin County Office of Education’s Community Partners for Environmental Literacy (CPEL), a collaboration of local educators working toward effective environmental outreach, both physical and virtual.
- The coordinator continues to attend DWR Water Education Committee Meetings, which are held both in-person and virtually throughout the year. This group usually meets in person bi-annually to share outreach methods and strategies intended to promote collaborative and coordinated water education outreach throughout the State of California.

*For a complete breakdown of the 2022/2023 SAWS Water Education Program outreach statistics, please turn to the “Program Stats” tab in this report.*

### **Looking Ahead: The 2023/2024 School Year**

All Stockton area campuses are now open, and the SAWS Water Education Program staff has been background checked and approved for presentations by the four school districts served by the Stockton Area Water Suppliers. The SAWS Water Education Program will implement our regular schedule in the coming school year.

In May 2023, the coordinator sent broadcast invitations to hundreds of teachers and administrators in schools served by the SAWS Water Education Program. The response was enthusiastic, and at this writing our calendar is essentially full for in-class presentations and youth-oriented events for the coming school year (August 2023 through early June 2024).

Mrs. Coon and staff are currently working on production of a video entitled “Where Does My Water Come From?” We hope to finish production of the video and have it embedded in our classroom PowerPoint presentations in time for our first presentations on September 1, 2023. We are also working to implement a revised program for Grade 4 and add new hands-on activities to our Grade 3 presentation.

Miss Sue and Miss Blair have signed on for another year of SAWS Water Education Program classroom presentations, and Mrs. Coon will continue to provide backup for classroom presentations while managing the SAWS Water Education Program, including further program development and implementation as well supplemental outreach, scheduling and working with SEWD, the Urban Contractors, schools and other water agencies to disseminate effective water education to Stockton area schools and communities.

The SAWS Water Education Program is entering its 19th year serving Stockton area schools. The program has developed a devoted following among teachers in the four school districts we serve. Educators often design lesson plans that coordinate with our presentations, which focus on water science, water awareness and conservation. In pursuit of these goals, the coordinator will continue to work with staff, the Department of Water Resources, SJCOE/CPEL and other outreach organizations to develop and integrate Next Generation Science Standards (NGSS) and content standards relating to water into our presentations. Resources and materials will continue to be available to teachers; the SAWS Water Education Program uses both physical and virtual educational tools to reinforce our message through pre and post teaching, classroom programs, and outreach at events. This includes videos, digital links and narrated water education vignettes and clips that can be inserted into or used in conjunction with teachers' lesson plans. The SAWS Water Education Program also supplies valuable classroom materials and supplies for teachers who utilize the program. Each child receives a grade appropriate lesson-related workbook and coloring/work sheet, a sharpened pencil and/or a box of crayons, and each teacher receives a package containing white board markers, magnet clips, rain gauges, hand sanitizers, and other items they can use in the classroom.

Despite last year's abundant rainfall, California continues to contend with serious water issues. Water shortages in this state are due to many factors. With this in mind, SAWS Water Education Program presentations will continue to stress conservation along with raising awareness of California's water issues. We have found that elementary school age children are very effective messengers, as they are likely to discuss their school day with parents and family.

*Full Report*



WATER EDUCATION PROGRAM

# **THE SAWS WATER EDUCATION PROGRAM**

## *What We Do and How We Do It*

### **Effectively Promoting Water Awareness and Conservation**

It is well known that measuring the success of water conservation/education outreach is difficult. How much did the target audience learn? How many will actually embrace the message and act on it? Who will share the information with family and friends? Will those who participate make water conservation a life-long habit? Quantifying the results of these queries is nearly impossible, and under normal circumstances, water providers can only hope these efforts are making a difference. But in recent years California's response to prolonged drought produced evidence that water conservation education raises awareness and promotes wise water use, resulting in substantial, quantifiable water savings throughout the state. Water conservation education in the primary grades certainly plays a major role in these results, as it teaches conservation concepts as students are forming lifelong habits.

The SAWS Water Education Program strives to make students aware that wise water use must be practiced daily, helping them understand that a banner rainfall year, or even two, will not remedy California's water dilemma. Through our outreach, we hope to make our future citizens and leaders understand that, due to our dry climate, storage issues and population growth, water will continue to be a very important issue in California, and we must all be prepared to make water conservation a way of life.

During earlier extreme drought years, state outreach and media messaging put an emphasis on water conservation in California, and that emphasis provided rare, tangible evidence of the effectiveness of outreach programs like ours. Stockton was one of the most successful cities in the state when it came to implementing conservation measures during the last drought, reducing water use by nearly 30 percent. Since its inception, the Stockton Area Water Suppliers (SAWS) alliance has funded multi-faceted outreach in our communities, reaching thousands of students and citizens every year; the program has reached over 400,000 people through classroom presentations and public, youth-oriented events since 2005. Many of the students we have worked with over the years are now adult citizens of Stockton with a heightened awareness of the importance of our water resources because they participated in our programs when they were forming life-long habits in their youth. These are the people who have and will continue to practice conservation measures to aid in dealing with California's water issues.

We have found that the students and teachers we visit are drought aware. Even primary grade students can define the meaning of the word “drought” and the source of the problem. While media messaging may be responsible for heightened water awareness in our communities, our presentations take students to the next level, reinforcing the conservation message and providing insight into the reasons behind it. Our programs address the learning standards that relate to water for every grade level: the water cycle, weather, ecosystems, water’s three states of matter, the scientific properties of water, current and historic water use in California, farming issues and ag water, water conveyance and distribution systems, and the conservation concepts that relate to all these topics. We enhance learning with a variety of hands-on activities that make the lessons fun and memorable.

### **The SAWS In-Class Presentation Program is in High Demand**

The SAWS in-class presentations continue to be in high demand in Stockton area schools. Invitations to book presentations for the 2022/2023 school year were sent to teachers and administrators via email in early May 2021. The presentation calendar was full by mid-June. The final headcount for the 2022/2023 school year of 20,604 students/citizens reached through our in-class and event program indicates that our outreach numbers are returning to pre-pandemic levels.

The SAWS Water Education Program has developed a devoted following among Stockton teachers. Those familiar with the program often design their lesson plans with the SAWS Water Education Program in mind; the colorful visuals and hand-on activities featured in our presentations can bring these lessons to life for students. Often, one teacher takes the lead to schedule multiple presentations for the entire grade level. Many teachers coordinate our grade-specific presentations with established curriculum and Next Generation Science Standards (NGSS), inviting the program to their classrooms in conjunction with units specifically related to water. Some schools even plan field trips that coordinate with our programs; St. Luke, Tully Knoles Elementary, John McCandless STEM, and several other schools often coordinate our “California Water” presentation with field trips to Columbia State Park. Fifth grade teachers are encouraged to book a water treatment plant tour/field trip in conjunction with our Grade 5 “Water Cycle: The Incredible Journey” presentation.



## In-Class Presentations Meet Grade-Specific Standards

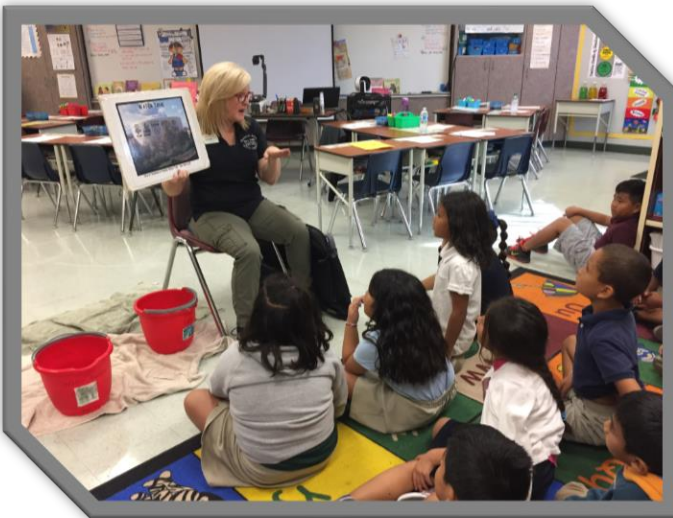
Every presentation offered by the SAWS Water Education Program is designed to meet standards specific to certain grade levels. Teachers know that our presentations can address multiple content /NGSS standards in 60-90 minutes with little or no teacher prep; we provide an excellent introduction or follow up to standard curriculum involving water for every elementary and middle school grade level.

**Kindergarten and Grade 1 teachers can use our popular “Water Cycle Story” presentation to reinforce lessons and meet standards involving weather, states of matter, and forming and testing a hypothesis.**

**Grade 2 teachers often coordinate their lesson plans with our “H2O to Go!” presentation to reinforce standards related to gravity, motion and machines as students track water’s journey from source to tap using a variety of fun and exciting hands-on pumping activities.**



*The “H2O to Go!” presentation reinforces second grade standards related to gravity, motion and machines through fun, hands-on activities*



*SAWS presenter explains how water is conveyed from the water treatment plant to water storage tanks and finally to our homes*

Teachers of Grades 3, 4, 5 and 6 can use the “Water Matters” and “Water Cycle: The Incredible Journey” programs to target physical and life science content standards. The two presentations are

similar but have been adapted for content/NGSS standards

specific to each grade level. Both programs focus on the

water cycle and water treatment and distribution,

addressing a variety of science standards through

fascinating facts and figures and a demonstration of

the ratio of fresh to salt water on earth. During the

“Water Matters” program, students perform a hands-

on “scientific experiment” that demonstrates the

properties of surface tension and cohesion, as well as

concepts related to food chains and webs and

environmental issues in our communities, standards

specific to Grades 3 and 4. The “Incredible Journey”

program addresses similar science standards for grades

5 and 6; after a refresher on the water cycle, students

participate in an active, social game from Project

WET, embarking on the “Incredible Journey” of a

water molecule in the water cycle, evaporating,

condensing and precipitating around the room as they

make a beaded bracelet, with each bead representing a component and process of the water cycle. Both

“Water Matters” and “Incredible Journey” also include a comprehensive “Source to Tap” diagram

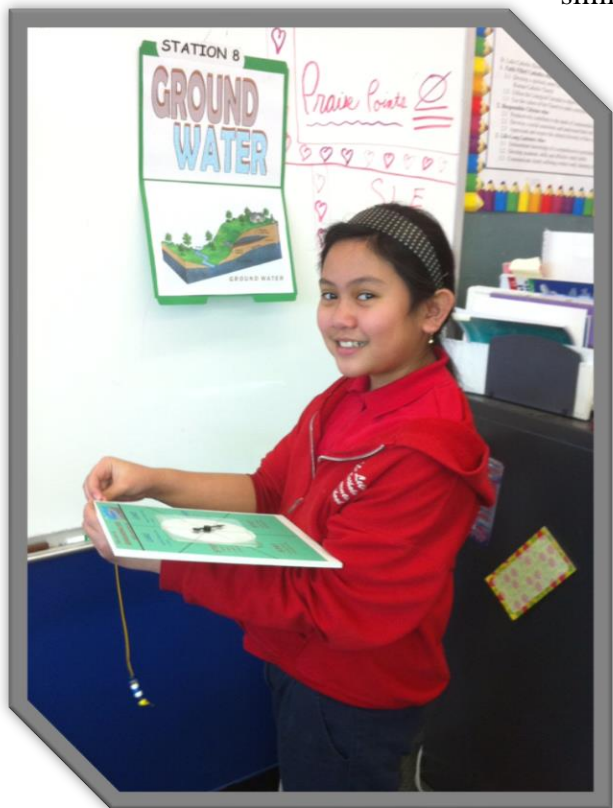
depicting how water travels from the water cycle to their faucets at home. A scale model sand and gravel

water filter demonstration gives students a glimpse of the processes involved in water treatment and

distribution and provides information about local water sources and the agencies that sponsor the SAWS

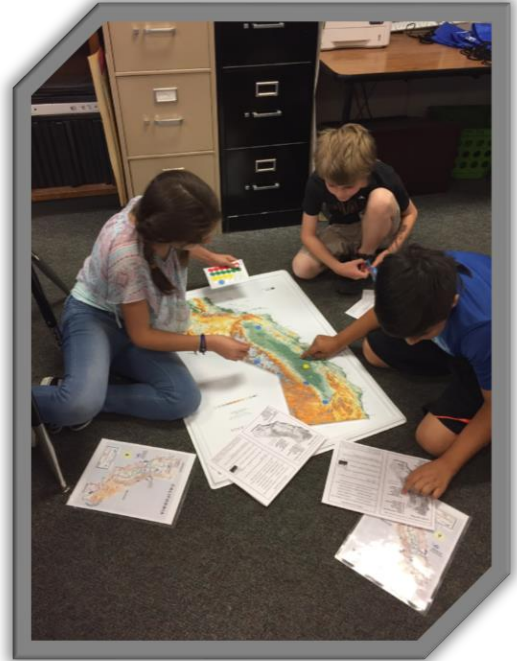
Water Education Program. Drought, conservation, agricultural and state water issues are also discussed

throughout the program.



*Students become water molecules moving through the water cycle in the “Incredible Journey” hands-on activity*

The “California Water” presentation, which covers the history, use and distribution of water in the State of California, is responsive to both fourth and sixth grade content standards and features a variety of hands-on activities, including map interpretation and a role-playing game designed to introduce students to the concepts of water rights and legislation relating to agriculture and allocation of our natural resources. Students learn how water is distributed throughout the state via the State Water Project and work collaboratively to find water bodies, cities, and landmarks on topographical maps.



*The SAWS Water Education Program only distributes promotional items that are practical and useful in the classroom.*

Every student in every classroom we visit receives a pre-sharpened water-saver pencil and an age-appropriate workbook with information and activities pertaining to water conservation and awareness. As a thank you for inviting us to present, participating teachers receive a variety of gifts, that may include tote bags, magnetic clips, seed packets, water activity guides, sponges, pocket hand sanitizers, white board markers, crayon packs and other items.

These items are of great value in the classroom, as teachers often supply these items at their own expense. There is evidence that as Stockton’s educational resources have diminished, our water education presentations have steadily gained favor. Teachers find value in our ability to connect content/NGSS standards to water resources, the environment, conservation and, recently, current events, such as drought and water legislation in California. The combination of education and



*Our message is reinforced through the use of colorful visuals, songs, physical activity and audience participation*

entertainment we provide makes learning exciting and fun for students. We like to remind teachers that, despite budget cuts, students can still experience the benefit of community learning because SAWS sponsors in-class programs that “bring the field trip to the classroom.”

### **Water Treatment Plant Tours**

When the SAWS Water Education Program visits middle/ high school and college classrooms (Grade 5 and up), we encourage teachers to schedule a visit to the Dr. Joe Waidhofer Drinking Water Treatment Plant for a facility tour. When elementary and middle-school classes visit, we ask that the groups include at least one parent/adult chaperon for every five students. While the main purpose for this request is crowd control, we have found that parents touring the plant often learn more than their children do, and invariably leave with a greater appreciation for their community’s water resources. College classes and community groups are fascinated by and impressed with our facilities and the treatment process; most citizens never take the time to consider the source and systems that provide them with drinking water. While school districts often lack funding for field trip transportation, some public and private schools are able to visit by using adult/parent chauffeurs and chaperons. Facility tours are valuable in raising public awareness and can provide an enlightening experience for students and community members, as well as those looking for career path possibilities.



*Plant Supervisor Jim Wunderlich explains the water treatment process to fifth grade students during a tour of the Dr. Joe Waidhofer Drinking Water Treatment Plant*

## **Event/After School Program**

The “H2Olympics” program is offered to any school with a Stockton address and can serve as an after-school program, a booth at school festivals and events, or as a hands-on activity presentation to serve an entire grade level. The program features a series of fun, hands-on water activities or “experiments” that demonstrate scientific properties of water, including cohesion, adhesion and surface tension. This encourages contemplation of the scientific principles behind the activities: *How many water drops can I fit on the head of a penny? Why does the paperclip float? Can I keep my water drop intact while guiding it through a laminated maze?*

The format of the H2Olympics program allows students to have fun while learning in a relaxed, non-classroom atmosphere. As with other SAWS Water Education Programs, we have incorporated a drought/conservation discussion into the “H2Olympics” program format, and, depending on the venue, sometimes include a prize wheel or “water saver” button-making activity.

Benefits of the SAWS H2Olympics Programs include:

- ◆ Hands-on activities educate and entertain
- ◆ Format holds students’ attention because it provides an alternative to classroom learning structure
- ◆ Students are likely to take message home
- ◆ Parents often show up at after school programs and may even participate
- ◆ Broad outreach to multiple grade levels (K-8): maximum contacts in minimum amount of time
- ◆ Use of upper elementary and middle school helpers allows older students to work with/teach younger students: excellent learning environment for all
- ◆ Provides teachers, facilitators and activities coordinators with free, appropriate educational activities



*SAWS presenter explains surface tension to fourth-grade students at Tully Knoles Elementary during a hands-on activity included in the “SAWS H2Olympics” after school presentation.*



*Third grade students and their teacher learn about the cohesive properties of water during an “H2Olympics” presentation at the Great Valley Elementary School Farm Day Event*

## **AgVenture**

Every third grader in San Joaquin County is eligible to participate in this innovative program sponsored by San Joaquin Farm Bureau and Select San Joaquin Foundation. AgVenture participants enjoy a day of fun while learning about the vast diversity of agriculture in San Joaquin County. This event exposes students to important concepts during their “day on the farm,” including nutritional values, agronomics, marketing, farm and crop production, the value of locally grown products and the role that producers, vendors and the purveyors of our natural resources play in bringing these commodities to the community.

AgVenture’s unique format offers a meaningful and memorable experience for students and a special opportunity for the agricultural community to reach out to some of our most impressionable citizens. SAWS participation in these events allows us to promote our in-class, after school and assembly programs while sharing our message of water awareness and conservation with thousands of third graders and their teachers. Each of the three San Joaquin County AgVenture events hosts approximately 3,500 third graders.

***Since 2010, the Stockton Area Water Suppliers alliance, through SEWD, has donated \$1,000 annually to AgVenture to help sustain this valuable program.***



*As part of the SAWS Water Education Program activities at AgVenture, students make personalized “I’m a Water Saver!” buttons*



## **The SAWS “Conservation Cottage” Exhibit at the Children’s Museum of Stockton**

The Children’s Museum of Stockton is currently operating under the management of its Board of Directors. The facility has been mostly closed due to COVID-19. The Coordinator hopes to resume working with museum personnel to maintain and improve the exhibit in the 2023/2024 school year.



The “Waterburger” at the Children’s Museum

## **SAWS Water Education Program and the Community**

The SAWS Water Education Program participates in and supplies hand-outs and materials for numerous community gatherings and other special activities and events in Stockton. The following is a list of some of the community events the SAWS Water Education Program participates in regularly:

- ◆ **San Joaquin County AgVentures (South County, Stockton & Lodi)**

The SAWS Water Education Program has participated in AgVenture since 2005. SAWS staffs a booth featuring a hands-on activity and prize wheel. Our participation in AgVenture allows us to promote SAWS sponsored in-class, after school and assembly programs while sharing our message of water/drought awareness and conservation with thousands of third grade students and their teachers. Each AgVenture event hosts approximately 3,500 third graders. Besides staffing a booth at each event, SAWS/SEWD supports AgVenture with a \$1,000 annual donation. The SAWS Water Education Program participated in all three AgVenture in the 2022/2023 school year. In previous years, the coordinator submitted a water science/conservation video that was used during virtual AgVenture and posted on-line for future viewing.

- ◆ **Rotary Read-In:** The SAWS Water Education Program participates in this annual event.
- ◆ **Lincoln USD “Window on Your Future”:** The coordinator participates in this event annually, wherein mock job interviews designed to prepare Lincoln High School students for entry into the job market are conducted by members of the business community. This event presents an opportunity for staff to share career path outreach with potential job seekers.
- ◆ **Manteca Unified School District’s Farm Days:** SAWS sponsors H2Olympics booths at these MUSD Farm Day events.
- ◆ **Stockton’s Earth Day Festival:** SAWS is a principle sponsor of this popular annual festival at Victory Park in Stockton. The Coordinator staffed a booth at the event on April 24, 2023.
- ◆ **Water Treatment Plant Tours:** The SAWS Water Education Program and SEWD staff offer tours of the Dr. Joe Waidhofer Drinking Water Treatment Plant for Grade 5 and above.
- ◆ **Community Based Programs:** Upon request, SAWS supplies water conservation materials for Special Day and science classrooms at local middle and high schools as well as for

programs for developmentally disabled adults, regional pre-school programs, and other community programs requesting materials and resources.

- ◆ **DWR Water Education Committee:** The coordinator attends both virtual and in-person DWR Water Education Committee meetings, joining water educators from all over California to share resources and ideas for water conservation education and outreach.
- ◆ **CPEL:** The Coordinator participates in the San Joaquin County Office of Education's (SJCOE) formation of the Community Partners for Environmental Literacy (CPEL), a collaboration of local educators working toward effective environmental outreach. CPEL/SJCOE often sponsors virtual seminars to share learning tools and methods with environmental educators and promote networking among environmental educators in San Joaquin County.



A recruit staffing the SAWS booth at Stockton's Earth Day Festival

### **Program Administration**

Kristin Coon (Kristin Coon Consulting) is responsible for administration of the SAWS Water Education Program. This includes hiring and supervision of employees, payroll, payroll taxes, worker's compensation and liability insurance, subcontractor negotiations/compensation, scheduling and all other aspects of program operations, including implementation of in-class and virtual learning programs. The approved program budget for 2023/2024 went into effect on April 1, 2023, and the contract between SEWD and Kristin Coon Consulting is currently in effect from August 1, 2022 through July 31, 2024.



## **Staffing**

In the 2022/2023 school year, under the supervision of Kristin Coon Consulting, the SAWS Water Education Program continued to serve the SAWS alliance, providing in-class water education presentations in Stockton area schools and outreach at various youth-oriented events.

When the statewide shutdown of schools occurred in mid-March 2020 and all scheduled presentations were cancelled, Kristin Coon Consulting continued to pay classroom instructors based on an average of the previous year's compensation. This was necessary to retain instructors and prepare for resumption of the in-class program. In 2021, coordinator Kristin Coon developed a virtual outreach program, offered the program to teachers and administrators, organized, prepared, scheduled and delivered virtual learning supplies and supporting materials to Stockton area schools, and managed the day-to-day business of the Water Education Program.

In early 2022, long-time SAWS Water Education Instructor Kathy Kirchhof retired. Mrs. Coon filled in for Mrs. Kirchhof in the classroom for the remainder of the 2021/2022 school year, working with SAWS Water Education Instructor Sue Daugherty ("Miss Sue"). In August 2022, Blair Baker ("Miss Blair") joined the SAWS Water Education team as an instructor. Miss Sue and Miss Blair shared instructor duties for the entire 2022/2023 school year, backed by Mrs. Coon, who also tended to administrative tasks and prepared and hosted events. Our team received rave reviews from teachers and administrators (see "Feedback" section). As of this writing, the SAWS Water Education Program is fully staffed, and Miss Sue and Miss Blair have committed to the SAWS Water Education Program for another year.

## **Looking Ahead: The Coming School Year**

The SAWS Water Education Program calendar is fully booked through the 2023/2024 school year for classroom presentations and youth-oriented events.

The SAWS Water Education Program staff hope to finish production of our "Where Does My Water Come From?" video and have it embedded in our classroom PowerPoint presentations in time for our first presentations on September 1, 2023. We are also working to implement a revised program for Grade 4 and add new hands-on activities to our Grade 3 presentation. Miss Sue and Miss Blair have signed on for another year of SAWS Water Education Program classroom presentations, and Mrs. Coon will continue to provide backup for classroom presentations while managing the SAWS Water

Education Program, including further program development and implementation as well supplemental outreach, scheduling and working with SEWD, the Urban Contractors, schools and other water agencies to disseminate effective water education to Stockton area schools and communities.

## **Conclusion**

As we embark upon our 19<sup>th</sup> year serving SAWS and Stockton area schools, the SAWS Water Education Program staff is proud to say that our outreach programs are well-known and respected in the community. Our presentations reach significant numbers of students and community members with a variety of programs, and we participate in many high-profile youth oriented local events.

In the 2022/2023 school year, the SAWS Water Education reached 20,604 students through in-class, virtual and special event programs. The feedback from teachers and administrators is testament to the fact that we have excellent presenters who are adept at sharing knowledge of and enthusiasm for our water resources; we are invited back to schools and events year after year because the programs we offer are a valuable resource for Stockton area schools and the community.

The SAWS Water Education Program is endorsed and approved by the Stockton, Lincoln, Lodi and Manteca school districts as well as a variety of charter and private schools in the Stockton metropolitan area. The program is also sanctioned by the San Joaquin County Office of Education. Our success is evidenced by the numbers: teachers participate enthusiastically year after year and demand for presentations exceeds availability. The most effective tool for program sustainability remains teacher-to-teacher recommendations; we continue to visit new teachers and schools each year, and our loyal followers recommend us to their colleagues and take us along when they move to new schools. Teachers often coordinate our presentations with their lesson plans and many use our outreach programs to enhance field trip experiences. This promotes a comprehensive learning approach, which is a major component of the overall plan: when we make multiple contacts, seeing students year after year, we are building a broad knowledge base that will make water conservation and awareness second nature for those residing in our communities, ultimately helping us achieve our goal of promoting effective, community-wide water conservation and awareness in Stockton. Evaluations from both teachers and students are always enthusiastic and positive (see Feedback section), and support for the program remains strong because it reinforces grade specific content/NGSS standards, coordinates seamlessly with curriculum, and provides a hands-on, memorable learning experience for students.

*Teacher feedback and student comments and illustrations are provided in the Feedback section of this report.*



*Feedback*



WATER EDUCATION PROGRAM

## Teacher and Student Feedback on the SAWS Water Education Program

### *Teacher Feedback is key to enhancing and improving our programs*

We LOVE this program! It ties in perfectly with our 4<sup>th</sup> grade curriculum. We keep coming back because we love and appreciate the presentations – your programs are WONDERFUL!

Ms. Rodriguez, Grade 4, Manlio Silva Elementary

\*\*\*

This presentation helps me prepare my students for the science lessons I will be teaching and supports our science standards very well. It also helps students understand where water in the tap comes from.

Ms. McGrew, Grade 5, Great Valley Elementary

\*\*\*

This lesson fits perfectly with our content standards. Miss Blair was awesome! She had complete control of the class and kept them engaged. . .she also validated all their answers, even if they weren't quite what she was looking for!

Ms. Wright, Grade 2, Lincoln Elementary

\*\*\*

Mrs. Coon had wonderful posters that clearly stated the agenda – everything was Kinder appropriate – colorful, big and fun. I love this program and look forward to having it in my classroom every year. . .keep up the good work!

Ms. Flores, Kinder, Tully C. Knoles School

\*\*\*

The material was very kid-friendly and tied directly into our new unit on how water changes the earth. Miss Sue was great – she held my kids' attention the whole time. The presentation was seamless.

Mr. Tucker, Grade 2, Hoover Elementary

\*\*\*

The presentation met the science standards for third grade and the hands-on activity was simple and easy – it helped tie it all together. The filtering demonstration was very interesting for both me and my students.

Ms. Espinoza, Grade 3, San Joaquin Elementary

\*\*\*

Wow!! \* Clear objectives \* age appropriate \* interactive \* connecting to community, real life \* quick, flexible scheduling \* great posters and activities \* questions answered \* Our presenter was awesome!

Ms. Nguyen, Grade 1, Wagner-Holt Elementary

\*\*\*

California State Standards! NGSS! Hands on visual demos! Excellent presentation!

Mrs. Best, Grade 5, Don Riggio Elementary

\*\*\*

The presentation aligns perfectly with our science standards, and social studies as well. We love the “goodies” that we can use in the classroom. Literally, everything about this program is great – it's our favorite presentation!

Ms. Dillender, Grade 2, John Muir Elementary

\*\*\*

Life science, Earth science, water cycle, ecosystems, gravity – the whole experience is so valuable!

Ms. Smith, Grade 3, Commodore Stockton Skills

\*\*\*

This presentation reinforced the science concepts we are learning and aligns with our content standards. Excellent presenter – engaged all students!

Ms. Toth, Grade 5, Brookside School

9-30-22

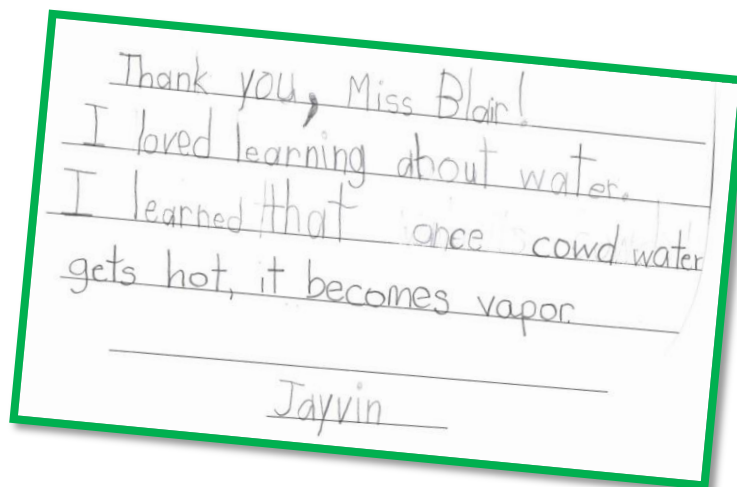
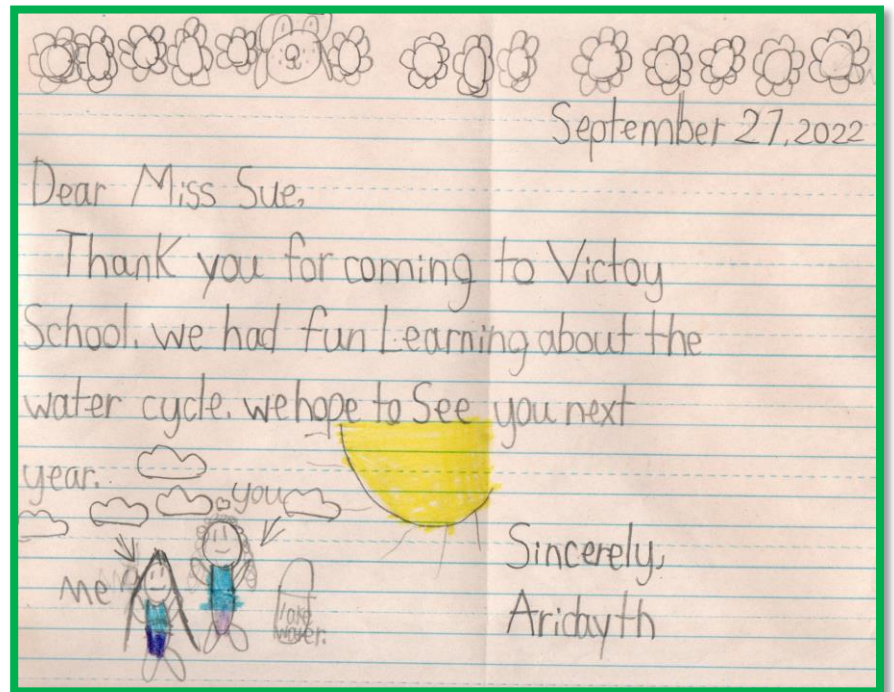
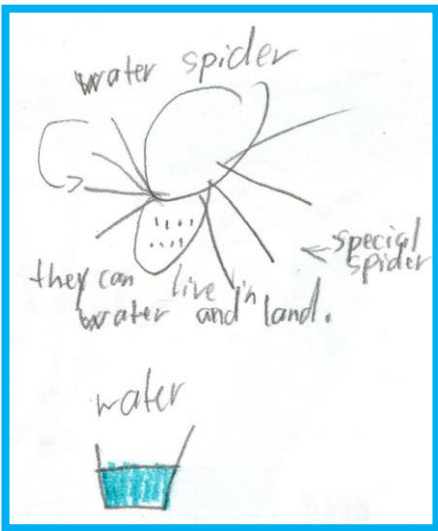
Dear Miss Blair,

I appreciate all the energy and enthusiasm you brought to your very clear presentation of the water cycle and the states of water. My students learned so much and didn't realize they were learning because they were so engaged with your games, songs, and overall guided instruction. Well done!

My students were thrilled to receive toothbrushes, coloring books, and crayons! They left for Fall Break with a smile on their faces!

I look forward to seeing you again next year. My future students will be so fortunate to learn such important concepts from you.

All the best,  
Mrs. Borrego  
August School  
First Grade


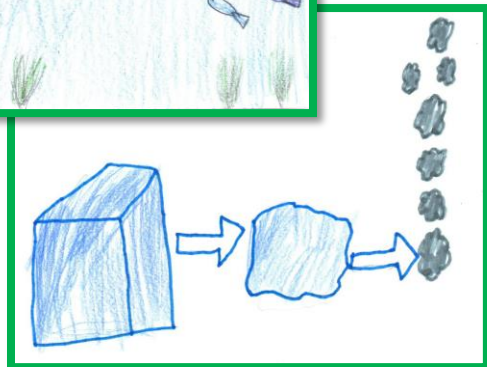


2/24/23

Dear Miss Blair,

Thank you for sharing your valuable time with us today. I enjoyed your great water lesson. It was fun and I learned a lot! and I wver like to turn alot! more activities

From,  
Wendy Murray

Dear Ms. she,

Thank you for being with us and teaching us about the water cycle and how we can save water. My favorite part about the water presentation was when you turned the dirty water into clean water. The incredible journey was an incredible exploration. I learned a lot of new things about the water cycle. Thank you for the pencils work books beads and work sheet.

From  
Areli  
to Ms.  
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## The Classroom Kits Supplied by SAWS

Teachers participating in the SAWS Water Education Program receive a “bag of goodies,” supplies and materials to share with students that complement the videos and activities on the SAWS Padlets, along with items for their classroom. The Coordinator and Water Education Instructors deliver the materials and supplies to each classroom we visit.





## SAWS Water Education Program Staff



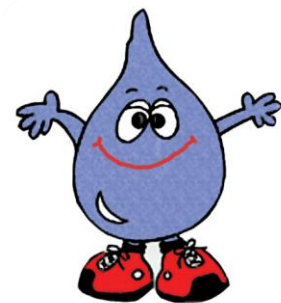
Miss Blair



Mrs. Coon



Miss Sue



Willy the Waterdrop

*Report Stats*



**WATER EDUCATION PROGRAM**

**SAWS Water Education Program**  
**Students Participating: All Outreach Programs, All Providers**  
**Comparison by School Year (SY)**

In-Class/Assembly	School Year / # of Students																	
	SY 05/06	SY 06/07	SY 07/08*	SY 08/09*	SY 09/10*	SY 10/11*	SY 11/12*	SY 12/13*	SY 13/14*	SY 14/15*	SY 15/16*	SY 16/17*	SY 17/18*	SY 18/19*	SY 19/20*	SY 20/21*	SY 21/22*	SY 22/23*
<b>SAWS Water Ed Prog</b>	8044	12357	15344	18293	18838	18915	21345	19748	26320	23538	24350	18670	22438	23980	16111	8373	18775	20604
<b>Assembly Program</b>	<u>3002</u>	<u>11452</u>	<u>9925</u>	<u>13989</u>	<u>4459</u>	<u>4660</u>	<u>6085</u>	<u>4731</u>	<u>5934</u>	<u>4730</u>	<u>5736</u>	<u>0</u>	<u>2725</u>	<u>2151</u>	<u>658</u>	<u>2383</u>	<u>0</u>	<u>N/A</u>
Totals:	11046	23809	25269	32282	23297	23575	27430	24479	32254	28268	30086	18670	25163	26131	16769	10756	18775	20604

**\* See notes by SY below:**

- SY 05/06: 14 GWM (SYRCL) assemblies performed in the 2005/2006 school year. One presenter (KC)
- SY 07/08: 53 GWM (SYRCL) assemblies performed in the 2006/2007 school year. One presenter (KC)
- SY 07/08: 46 GWM (SYRCL) assemblies performed in the 2007/2008 school year. One presenter (KC)
- SY 08/09: 54 GWM (SYRCL) assemblies performed in the 2008/2009 school year. Two Presenters (KC & SW)
- SY 09/10 & 10/11: 15 Zun Zun assemblies performed in 09/10 and 10/11 school years covered under agreement with Zun Zun. Three presenters (KC, SW & CT)
- SY 11/12: 18 Zun Zun assemblies performed in 11/12 covered under agreement with Zun Zun. Three presenters (KC, SW & MQ)
- SY 12/13: 14 Zun Zun assemblies performed in 12/13 covered under agreement with Zun Zun. Two presenters (KC & MQ)
- SY 13/14: 15 Zun Zun assemblies performed in 13/14 covered under agreement with Zun Zun. Three presenters (KC, MQ & SK)
- SY 14/15: 14 Zun Zun assemblies performed in 14/15 covered under agreement with Zun Zun. Three presenters (KC, MQ & SK)
- SY 15/16: 15 Zun Zun assemblies performed in 15/16 covered under agreement with Zun Zun. Three presenters (KC, MQ & SK)
- SY 16/17: Zun Zun assembly program was not funded by SAWS. Three presenters through 12/16 (KC, MQ, SK), two presenters Jan-July 2017 (KC, SK)
- SY 17/18: Zun Zun assembly program funding partially restored by SAWS; 9 Zun Zun assemblies performed in 17/18. Three presenters (KC, SK & KK)
- SY 18/19: 6 Zun Zun assemblies performed in 18/19. Three presenters (KC, SK, KK)
- SY 19/20: 1 Zun Zun assembly performed in 19/20. Three presenters (KC, SK, KK), schools closed mid-March 2020 due to COVID19
- SY 20/21: 4 Zun Zun assemblies performed in 20/21 (virtual only). Two presenters (KC, KK), one contractor (Zun Zun). Schools closed entire 20/21 school year due to COVID19; all outreach was virtual. In-class presentations for 2021 Summer School only.
- SY 21/22: 0 Zun Zun assemblies 21/22 due to COVID19. Three presenters (KC, KK, SD) thru Feb 22, two presenters (KC, SD) Mar-July. Many school campuses still closed first semester due to COVID19, most opened after Jan 1. Mix of virtual and in-class presentations.
- SY 22/23: Zun Zun assemblies discontinued. Staff working on video outreach. Three presenters (KC, SD, BB). All school districts resumed normal operations

**SAWS Water Education Program Presentation/Event Breakdown  
School Year: 2022/2023**

**By Presentation Type**

Presentation Type	# of Presentations	# of Students or	%
Classroom Presentations	341	10434	51%
Virtual Program			0%
Events	6	10170	49%
Water Treatment Plant Tours			0%
Water Conservation Workshops			0%
Career Workshops			0%
After School Program			0%
<b>Totals</b>	<b>347</b>	<b>20604</b>	<b>100%</b>

**By Grade**

Grade	Clsrms	Students	%
K	43	1080	5%
Gr 1	71	1780	9%
Gr 2	58	1635	8%
Gr 3	77	2709	13%
Gr 4	40	1380	7%
Gr 5	38	1335	6%
Middle School	14	515	2%
Event/Other**	<u>6</u>	<u>10170</u>	49%
	<b>347</b>	<b>20604</b>	<b>100%</b>

**By Presenter**

Presenter	Venues/ Classrooms	Students/ Citizens	%
Kristin Coon	29	10874	53%
Miss Blair	150	4405	21%
Miss Sue	<u>168</u>	<u>5325</u>	26%
	<b>347</b>	<b>20604</b>	<b>100%</b>

**By School District**

District	Students	%
Stockton USD	3910	19%
Lodi USD	2919	14%
Lincoln USD	2565	12%
Manteca USD	880	4%
Aspire/Charter/Private	330	2%
All/Other**	<u>10000</u>	49%
	<b>20604</b>	<b>100%</b>

**By Water Provider**

Provider	Students	%
Cal Water	3715	18%
City of Stockton	6129	30%
Unincorporated/SJ County	760	4%
All **	<u>10000</u>	49%
	<b>20604</b>	<b>100%</b>

<b>Total Schools/Venues 20/21</b>
<b>54</b>

\*\* Students or children reached through city or county wide events: unable to determine district, provider, or grade