



Virtual School Education Program Plan

Fall 2020

yourSCVwater.com/school-education-programs

OVERVIEW

In July 2020, all school districts in the Santa Clarita Valley announced the fall term would begin with distance learning. This approach allows for continued social distancing in response to the long-term impacts of COVID-19.

As a result, our Education Specialists have had to adapt their approach and redesign SCV Water's School Education Program to meet these new challenges/guidelines/requirements.

RESEARCH

The Education Specialists contacted 10 agencies to gather ideas for resources and distance learning.

- San Antonio Water System
- San Diego County Water Authority
- San Francisco Water
- South Coast Water District
- Las Virgenes Municipal Water District
- Palmdale Water District
- Contra Costa Water District
- Denver Water
- Municipal Water District of Orange County
- Valley County Water District (Baldwin Park)

They found that most agencies will be providing YouTube videos and online resources, although some are looking at virtual learning possibilities and virtual tours.

To ensure greater interaction and engagement with students and teachers, SCV Water Education Specialists preferred approach is to provide lessons live online via Zoom or Google Meet. Live virtual lessons provide a better opportunity for students to retain their new knowledge. To supplement this approach, ancillary information, video links and educational handouts have been added to the website. <https://yourscvwater.com/school-education-programs/>

LOGISTICS: Class Sign-ups and Supplies

School teachers would continue to use the School Education sign-up portal (<https://yourscvwater.com/education-registration/>) as normal, so that Education Specialists can connect with the teacher and class.

Virtual Considerations & Supplies

To conduct live virtual classes, the Education Specialists will need the following equipment:

- External camera
- External mic
- Ring light
- Larger computer monitor
- iPhone/iPad for live virtual garden and treatment plant tours
- Web Platform – i.e. Zoom and Google Meet

Additionally, the Education Specialists will provide each class with printed handouts and other materials and fun supplies (as allowed) to use and follow along during the live teaching session.

Funds are available in the Materials and Services account (52045) for this equipment and classroom materials.

Website: Supplementary Educational Resources

Over the summer the Education Specialists worked with a graphic designer to produce new educational resources that parents and students can download now, and some will also be used in the new virtual programming.

Kindergarten and 1 st Grade	2 nd and 3 rd Grade	4 th , 5 th , and 6 th Grades
<ul style="list-style-type: none"> Water Cycle Coloring Page* Thirstin's Water Adventure Water Cycle in a Bag Activity sheet* 	<ul style="list-style-type: none"> Agency coloring pages Hamburger video and worksheet Fruit Salad coloring and worksheet 	<ul style="list-style-type: none"> State Water Project Match Up* SWP Crossword and Water Journey Story* Water Treatment Model Video

* created by graphic designer

Grade Level Program Curriculum

The school education program has a long and popular history in the Santa Clarita Valley, and has reached upwards of 100,000 students over the years. The curriculum matches with state school standards to ensure the classroom time is well spent. The COVID-19 pandemic has provided a reason, though, for a complete review. The Education Specialists have spent the summer revising and creating new, relevant content. This curriculum design work includes scripts, supplemental material and props to keep it fun and engaging, then training the Education Specialists team to present each grade level.

Elementary School

Each lesson will be abbreviated to 30 minutes as attention span for virtual lessons are more limited, even with interaction.

Kindergarten and 1 st Grade	2 nd Grade
<ul style="list-style-type: none"> Susie Saves Water (felt board water cycle story) Student water cycle handout with stickers* Water cycle song Water cycle bracelets (develop poster) 	<ul style="list-style-type: none"> State Water Project map board Water Conservation board (develop to go with booklets) Drip Drop the Dragon Story Fred the Fish's Water Journey Fred's Journey Student maze version* (Find fish erasers)

* created by graphic designer

3 rd Grade	4 th , 5 th and 6 th Grades
<ul style="list-style-type: none"> Intro with small globe, water on earth, how we use water, how we use plants. Fruit Salad Activity (student worksheet*) Botany lesson - Plant Parts Poster (student match up activity*) 	<ul style="list-style-type: none"> Students will have state Water Project match up and worksheet that is being developed for the website now Virtual Tour of treatment plant

* created by graphic designer

High School Environmental Science

Local high school Environmental Science teachers have requested live virtual programs for the fall term. The Education Specialists will work together with the high school teachers to determine the best way to present the material in the requested format.

This will be the next priority once the curriculum is completed for the elementary grade levels.

Other Considerations: Virtual Tours

The SCV Water Education Specialists were able to test out a virtual tour with San Antonio Water. The virtual tour consisted of an instructor talking live, while sharing a PowerPoint presentation with video clips. That is the same format that the Education Specialists plan to use for the 4th, 5th and 6th grade virtual lessons.

Additionally, Education Specialist staff met with Matt Dickens, Conservation Resource Manager, and the Garden Committee, to discuss the plans to revamp the conservatory garden at the Rio Vista Water Treatment Plant. The garden is used in much of the elementary education curriculum and will potentially be used in some of the school education virtual tours.

The Education Specialists are in the process of developing a rough draft of the virtual tour.

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