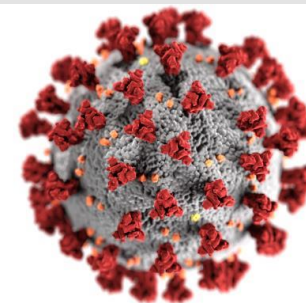


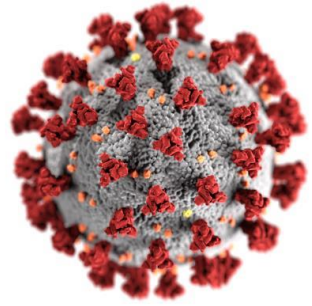


Youth Education

Elementary, Middle and High School



**COVID Pandemic
School Year
2020-2021**



Education Programs Covid-19 Response



Teachers pivoted to a **VIRTUAL FORMAT**: teaching to a camera, interacting with students as a host via Zoom and performing the role of videographer.

Equipment identified and acquired to teach virtually in the field.

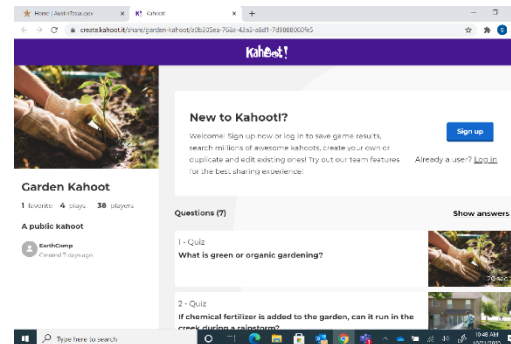
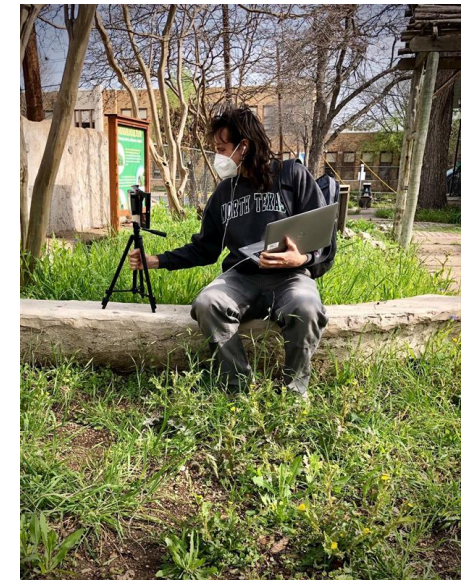
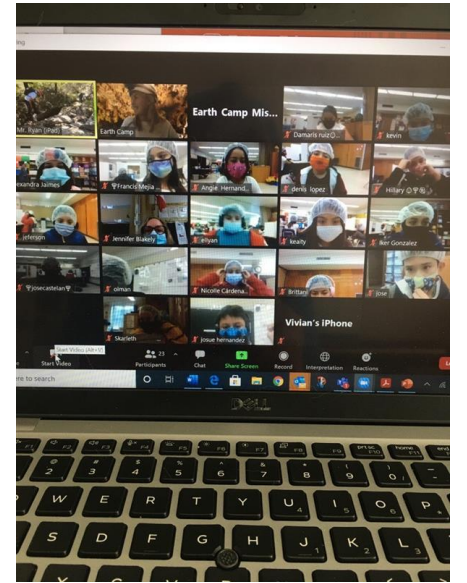
Two more Teaching Videos produced to add to the ten videos produces in April/May 2020. All videos uploaded to the City of Austin YouTube Channel.

Lessons were recreated and rewritten for a **VIRTUAL LIVE** presentation.

Kahoot games created for lessons.

Fun timers and Wheel of Names for prizes to promote student participation.

Hands-on materials for LIVE interactions delivered to schools.



Fifth grade Virtual Earth Camp

1047 students from 19 schools

- LIVE Zoomed from the Field
- Interactive Lessons

Students made paper watersheds

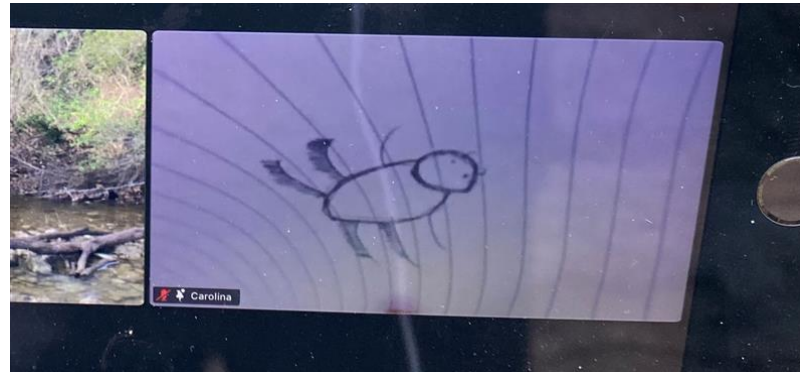
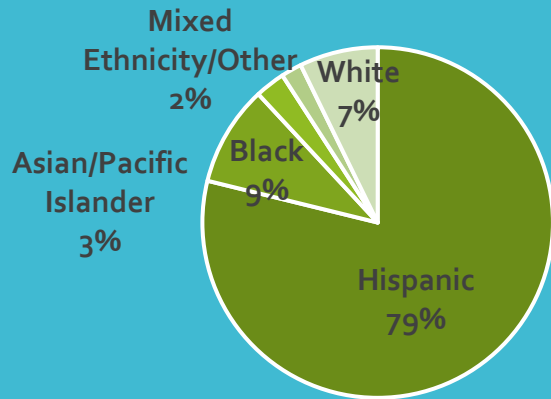
Mapped their school's watershed

Used a hairnet to simulate a helmet to enter a cave of the aquifer virtually

Planted seeds.

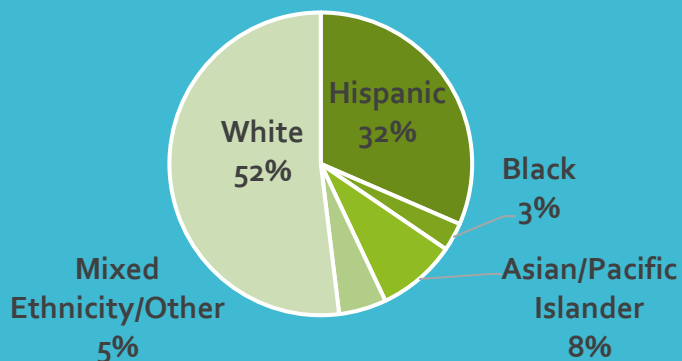


Student Ethnicity





Student Ethnicity



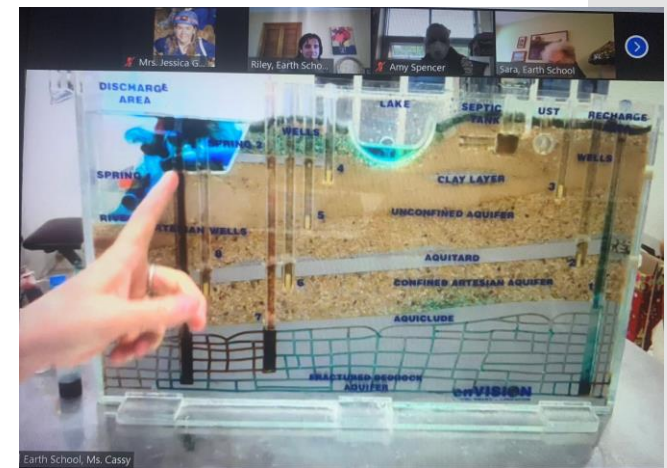
Fifth grade Virtual Earth School

1463 students from 16 schools



LIVE classroom Zoom Interactive Lesson

- Paper Watershed Model Activity
- Aquifer & Watershed Model Demonstrations
- Breakout Room Discussions about Pollution & Solutions
- Flood Safety Awareness Presentation



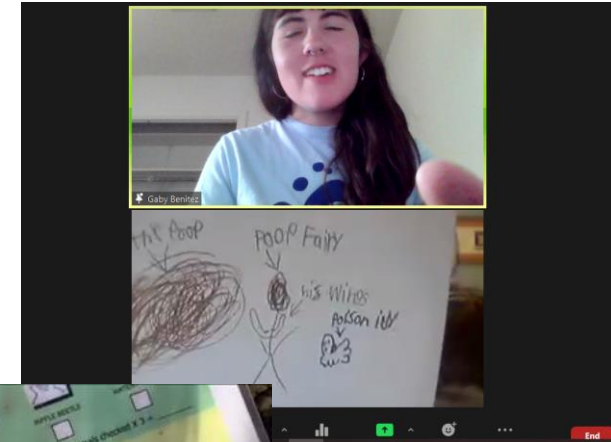
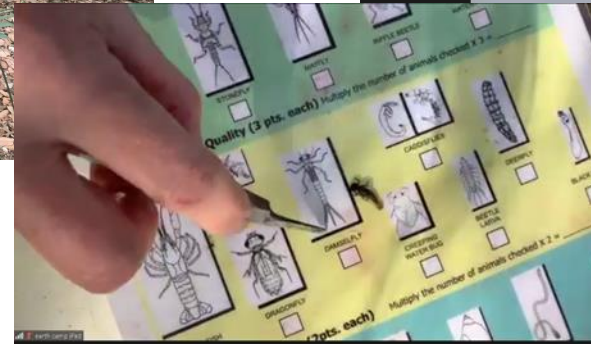


Langford 5th grade teacher:
"Being able to go on a virtual field trip this year was a real treat for the students. Honestly, it increased participation in zoom classes. The virtual field trip was the highlight for sure! The educators did a really good job answering students' questions on the spot and allowing for a lot of class participation to maintain engagement throughout. It was fantastic!"

Elementary & Middle school Virtual Clean Creek Campus

1,376 students from 14 schools

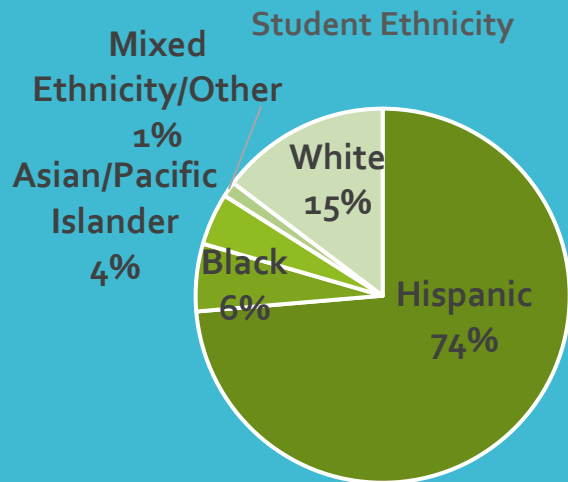
LIVE, in the field and classroom, Zoom Interactive Lessons for CLEAN CREEK CAMPUS

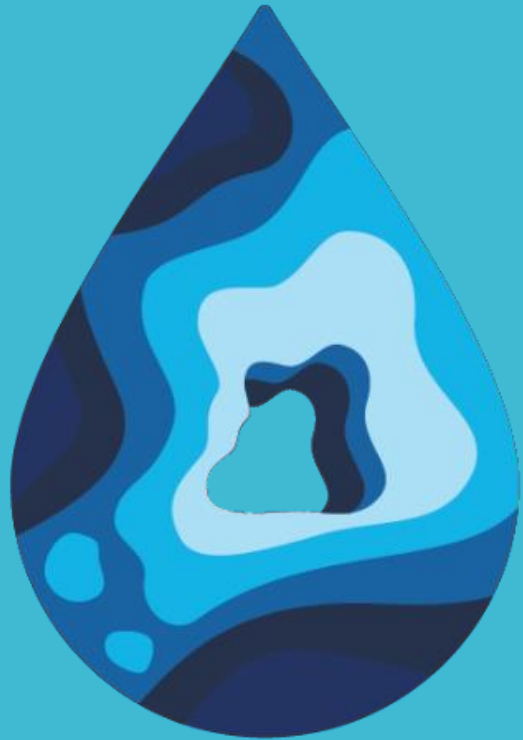


Middle School Watershed Detectives

cancelled due to COVID

Partnered with CaveSim to deliver virtual
programming to **1008 students**
3 middle schools and **3 elementary schools**





HYDROFILES

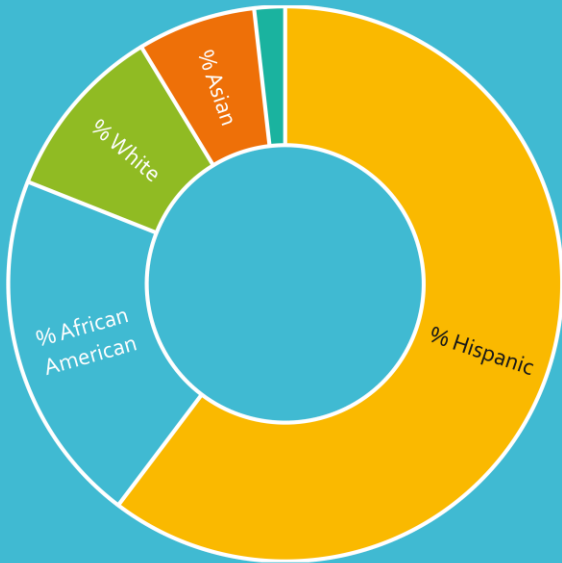
High School **Hydrofiles** cancelled due to COVID

- Participated in Barton Springs University Virtual Presentation – **29 students**
- Partnered with PARD Ranger Cadet Program





Student Ethnicity

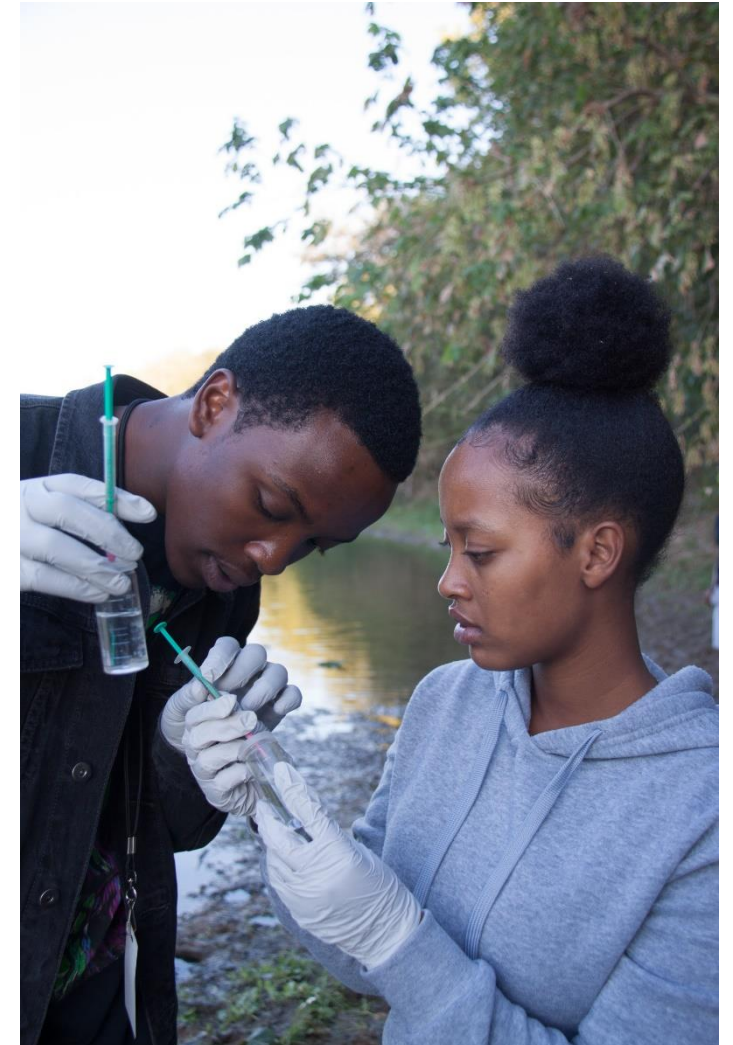


High school **Austin Youth River Watch**

49 students

Pandemic Adjusted Goals:
Virtual Program Delivery
Materials Delivered
Small Group Virtual Sessions
Technology Provided
Meals Provided

Programmatic and Environmental Impacts:
13 sites tested for water quality
78 hours of riparian restoration





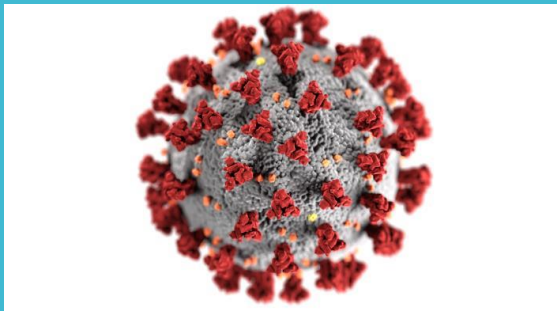
Intra- Department Youth Education Team

WPD Special Requests and Fairs

87 High School students, **30** Middle School students, **9** Elementary students

- **AustinCorps**
 - virtual presentation,
 - internship
- **AE Science Fair**
 - virtual judges
- **Ranger Cadet Program**
 - virtual presentation

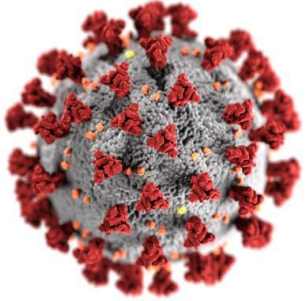




School Year
2020-2021



5098 youth were reached



Effects of Covid on Youth Outreach

- 2019 – **17,790** students and their adults
- 2020 – **10,285** students and their adults
- 2021 – **5098** students



- www.austintexas.gov/watershed/youthed

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Jessica Gordon

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