

Impacting the Community

The Environmental Science Center began in 2000 to offer experiential environmental education programs at local beaches, streams, forests, and classrooms in south King County. We started from the desire to further engage students and families with their natural surroundings.

Even during a pandemic, we were able to reach our neighbors in new ways to inspire more connections and protections of natural systems. As we adapt to change, our core values and the needs of our communities will guide us toward more novel forms of environmental stewardship. We are eager for what is to come.







7,071 PEOPLE SERVED

27,087
contact hours
in community &
school programs

11,896
hours youth spent outdoors

4,014
people visited a creek or river with spawning salmon

MISSION

The Environmental Science Center (ESC) promotes environmental stewardship and academic achievement through science-based education.



VISION

Our community is inspired and contributes to a sustainable future through quality environmental science education.



As long as our interactions align with our core values, we'll know we CARED.











ommunity engagement

Cademic achievement

espect for the environment

quity & access

iscovery & exploration

Everyone can have positive impacts on their community.



Local Involvement in International Science Projects

International Coastal Cleanup (ICC)

In two hours, 66 people removed 109 pounds of trash from Burien's Seahurst Park for the ICC, the Ocean Conservancy's largest worldwide volunteer project in service to our ocean. The event occurs each September and the data collected on marine debris provides insight for behavioral and policy changes across the world. Friends and neighbors removed large tires and treated wood, while small items also added up. Many groups tracked data on the Clean Swell phone app, which ESC uses and promotes for all coastal cleanups.

Great Backyard Bird Count (GBBC)

In February, 153 people gained appreciation for birds and ways to identify and protect them at ESC's annual Bird Fest. The winter event takes part in the GBBC of the National Audubon Society and Cornell Lab of Ornithology to help people identify and count birds toward understanding their global distribution patterns. Eight nature organizations partnered, and in three hours, 34 birds of nine species were recorded at Dottie Harper Park in Burien. This was the first bird count for many people and all of them were encouraged to continue counting and to submit data any time with eBird.



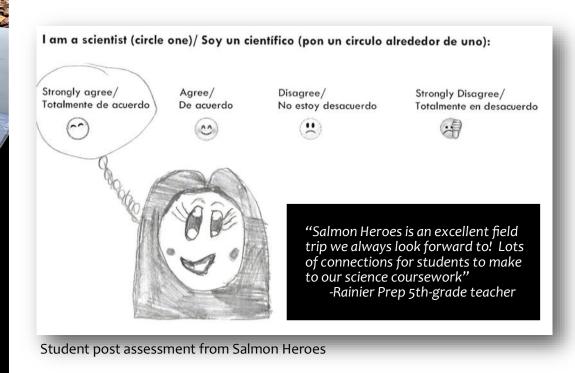
Education improves quality of life and career opportunities.



92% of teachers said Salmon Heroes effectively allowed students to follow the scientific process

Expanding Districts & Worldwide Impacts

More than 3,400 students had an outdoor class on salmon at a local creek or river where these iconic species spawn. ESC's 149 classes were a record number for the Salmon Heroes program, which reached 36 schools in ten districts. We also celebrated our first district-wide partnership serving all eighth-graders in Auburn. Many experienced the sights, sounds and smells of the final plight of chum salmon, and the beginning for their eggs. ESC uploaded so much water quality data from students that we became Earth Echo Water Challenge Partners and were featured internationally on World Water Monitoring Day in a Cedar River field study with Renton classes.



An Advanced Beach Heroes option was developed for spring of 2021 from our other popular school program, which builds off beach exploration tools for kindergarten-3rd grade. Older students will monitor intertidal communities at Seahurst Park in Burien using beach transects and scientific illustrations. This will track ecosystems over time and introduce students to new ways they can connect with the beach on deeper levels.

Respect for the environment

Our environment benefits from choices rooted in respect for the natural world.





What is on the beach? ¿Qué hay en la playa?

These unique species adapted to live in and out of water based on the tides. The higher they are on the page, the more you can find them higher on the beach in shallow water, starting in the splash zone.

Estas especies únicas se adaptaron a vivir dentro y fuera del agua según las mareas. Cuanto más alto estén en la página, más alto podrá encontrarlos en la playa en aguas poco profundas, comenzando en la zona de salpicaduras.



Be curious. Be kind. Be beach STARS!

Percebes/Balano



Cangrejo Púrpura de la Costa



Pacific Mussel



Hermit Crab Cangrejo Ermitaño



Inches

Pulgadas









Sé curioso. Sé amable. ¡Sé playa ESTRELLAS!



Sé cuidadoso al caminar

Toque suavemente con dos dedos mojados

Aprecia los animals sin moverlos

Recolecta solo la basura

Siempre comparte lo que aprendiste



Touch gently with two wet fingers

Animals stay where you find them



Limpet

Step carefully



Purple Mahogany/Varnish Clam Almeja de Barniz



Galleta de Mar



Woody Chiton Chitón Leñoso

Dungeness Crab

Lechuga de Mar

Cangrejo de Dungeness







Littleneck Clam



Heart Cockle



Kelp Crab Cangrejo Kelp del Norte





Kelp de Azúcar



Almeja Berberecho



Moonglow Anemone Anémona

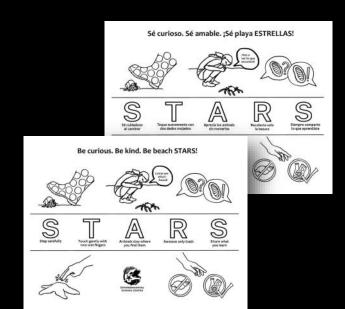


Pasto Marino

Bilingual Beach Outreach

Puget Sound and Seahurst Park's shoreline provide a wonderland of discoveries. Before Covid-19 cancellations, programs allowed all ages to explore aquatic landscapes in intimate and communal ways, while safeguarding the sensitive creatures under observation. ESC's cancelled programs included Beach Heroes, Tide Pools for Tots and Summer Beach Walks, all of which occur annually.

To continue serving people during times of low tides and intense separation, we created our first beach ID guide in both English and Spanish. Stewardship tips for treating marine organisms and areas kindly are shared through our signature STARS acronym. The guide is downloadable and the ones in park kiosks are printed on Rite in the Rain paper for durable use near water. It will be an outreach tool in all future school and community beach programs, along with our new coloring sheets.



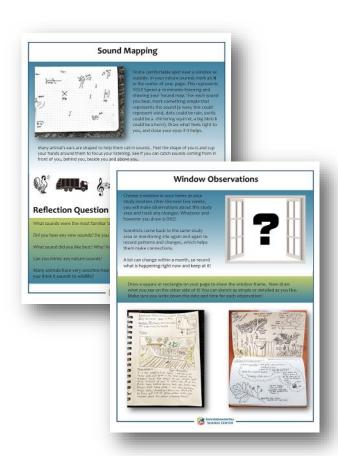
Everyone should have access to quality science education and exploration.

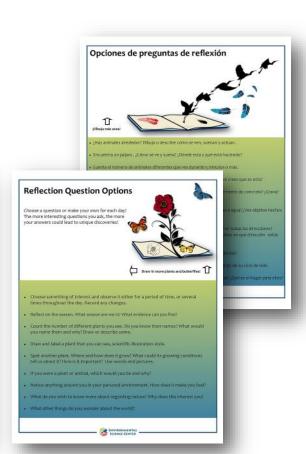


Reaching Students Where They Are

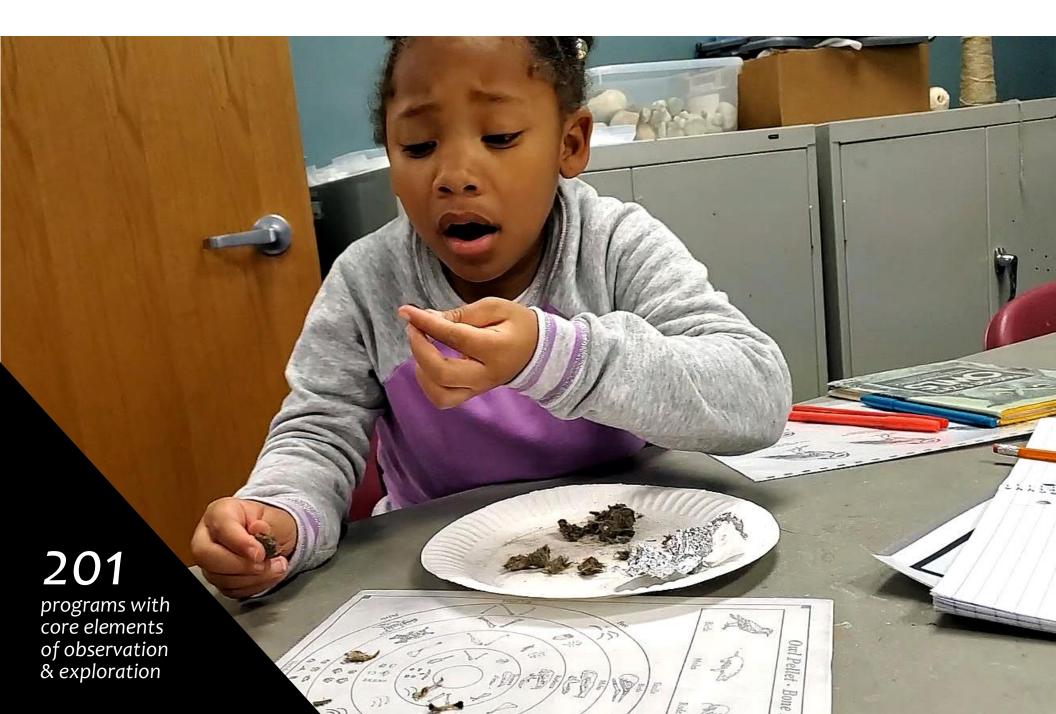
After a day of school, friendships and discoveries continued for members of Renton's STREAM Team (Science Technology Engineering & Math). Their weekly investigations involved studying macroinvertebrates, birds, salmon, and marine debris. When COVID-19 limited in-person sessions, online learning was not a realistic option for many students. Neither was going outside. We accepted both challenges to create meaningful educational experiences in English and Spanish, regardless of access to technology.

More than 1,000 science kits were filled with nature journals, activities and experiments to do at home or in a green space throughout summer. None required a computer, printer or internet. They were all received by students and families of STREAM Team and Southwest Youth and Family Services. As the pandemic shifts school operations, we will create more and continue adapting to the needs of students.













Natural Discoveries Lead to Leadership

Birds and plants are indicators of healthy watersheds and became a highlight of multiple programs this year, both indoors and outdoors. Before Covid-19 halted gatherings, 36 teens removed invasive English ivy and Himalayan blackberry by hand from local parks to reestablish natural diversity. Five restoration projects occurred at Seahurst Park by Big Picture Middle School students, and New Start High School helped restore Saltwater State Park. Groups investigated habitats and designed multilingual trail signs to highlight benefits of local species, many that were inspired from bird walks. Having their own pair of binoculars and choosing themes for a trail sign gave students control of their interests. They could focus on exploring a particular subject, their talents, and environmental career paths.

Teachers noted how some returning students were facing difficulties on campus, but were relaxed and engaged in the outdoor program. This was especially apparent in leadership roles when they could share what they knew about identification or restoration methods.





EVERY person can make a positive, lasting impact, even through small actions. The communities we reach continue to grow and expand in enriching ways because of the support and commitment from our volunteers and donors.



\$5,000 +

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\$1,000 - \$4,999

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A Community of Giving





















Department of Natural Resources and Parks **Wastewater Treatment Division**



















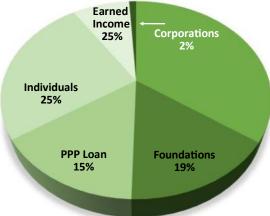
MEMBERSHIP LEVELS

We offer sustainable and comfortable ways for people to impact their natural surroundings. Since 2016, 35 members have joined our team to protect local forests, waterways and our future through monthly giving options.

Sea Star — \$10 per month
Chinook Salmon — \$15 per month
Great Blue Heron — \$25 per month
Sea Otter —\$ 50 per month
Orca — \$100 per month



July 2019 - June 2020 ESC Financials



Revenue

Government Grants	\$124,602
Individuals	\$89,991
Foundations	\$56,050
Paycheck Protection Program - PPP	\$54,398
Earned Income	\$29,451
Corporations	\$3,578
Total Revenue	\$358,070



Expenses

Total Expenses	\$351,673
Fundraising & Development	\$9,195
Management & Generalized	\$124,289
Programming	\$218,190

The Environmental Science Center brings thousands of students out to explore their local rivers and marine ecosystems each year.



COVID-19 forced some of our programs to be very different, but our commitment to fostering the next generation of environmental leaders remained constant and will hold strong in the future.

