

STEM-based outdoor program at Mount St. encourages and supports the next generation of scientists



U.S. Department of Interior U.S. Geological Survey **Cascades Volcano Observatory**









5 days of inspiration at Mount St. Helens

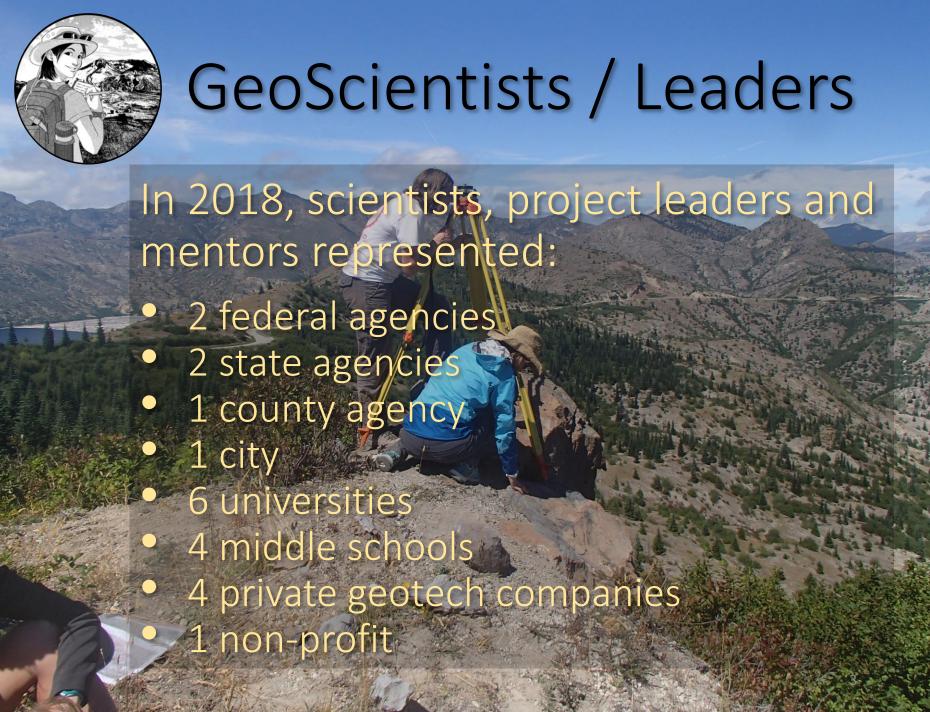
Washington and Oregon science enthusiasts submit applications for the program:

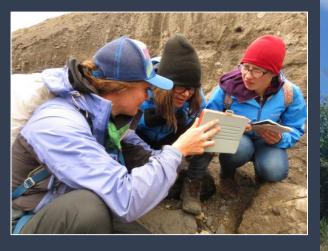
- 25 girls graduating from 7th and 8th grades
- 5 girls graduating from 10th-12th grades
- 4 female middle school science teachers















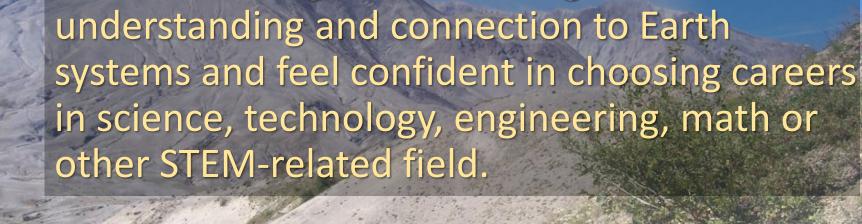
















GeoGirls Survey Results (2018)

2018 Program	Pre-Program	Post-Program
Know about volcanic hazards	34% undecided / did not know	100% somewhat / definitely
Value conducting science outside	30% undecided / did not know	100% somewhat / definitely
Know how to collect and study scientific data	17% did not know	100% somewhat / definitely
Good at science	38% did not agree / undecided	88% somewhat / definitely agree
See myself as a scientist	30% agree	50% agree
See myself as a leader	58% agree	85% agree



Results: Working with scientists expands GeoGirls' perspectives on career options

Before the program: geologist, volcanologist, paleontologist, teacher/educator, physicist.

After the program: same as previous, plus hydrologist, emergency manager, marine geologist, landslide scientist, park ranger, data analyst, ground deformation monitor, drone pilot, geochemist, lab coordinator, lobbyist, international response team member, oil industry scientist.



Results: Working with women scientists helped or inspired me to...

- I learned to be a scientist and be really passionate about what I love.
- Don't be afraid to ask questions and be a leader.
- I learned to be myself and not to care of what people think and to just follow my dreams and goals in life.
- I learned how powerful women can be.
- It inspired me to believe in myself more.
- It helped me to see science in a girl's point of view.
- This week taught me that I really appreciate being outside and having a break from daily technology.





Results: In the future, I can use science to make a difference in my community by...

- Inspiring others like the women here did to me. Showing others what science is about and why it is so interesting.
- Being another woman in science.
- Always being aware of what's going on.
- Uncovering the truth behind natural mysteries that help people see the world differently.
- Understanding how and when certain events happen and the best way to be prepared.



Video of GeoGirls Interviews









