

Climate Change Education for the Future



The Southwest Climate Hub and the non-profit Asombro Institute for Science Education (Asombro.org) have collaborated since 2014 to deliver science-based knowledge to the next generation of farmers, ranchers, forest landowners and resource managers to support climate-informed decision-making.

Asombro has a 30-year history of translating current science research for use in the K-12 classroom. By bridging the gap between research scientists and teachers, they connect students with the latest climate research, introduce science role models and excite students' curiosity.

Asombro education programs include:

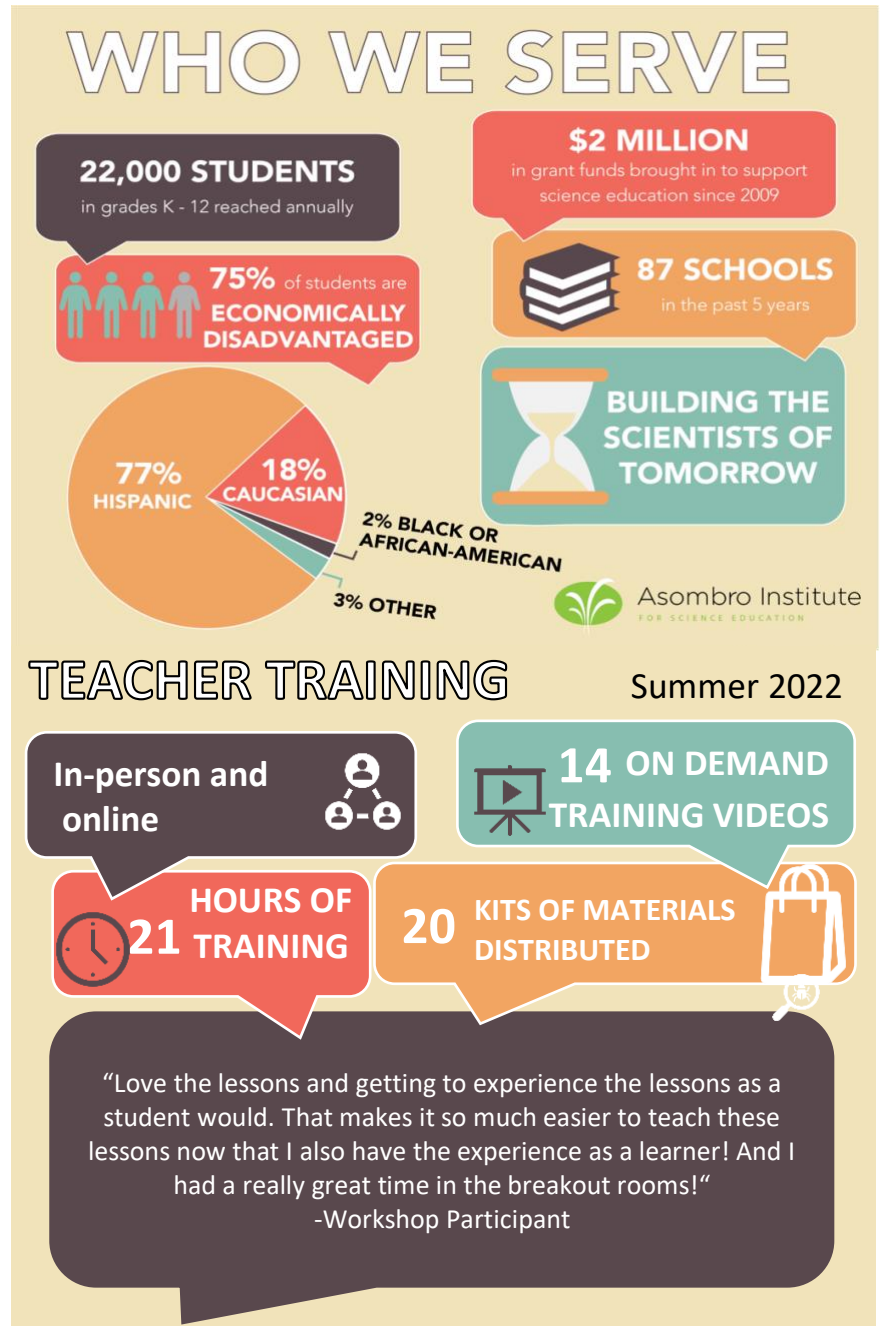
- Classroom visits and field trips
- Teacher training
- Free online materials

In partnership with the USDA Southwest Climate Hub, Asombro has published 21 lesson plans since 2015

(<https://swclimatehub.info/education>). Materials are **freely available** online, **aligned to education standards**, and **easy to use**.

The lessons are organized into four middle and high school units:

- Climate Change and the **Water Cycle**
- The Effects of Climate Change on **Agricultural Systems**
- Climate Change and the **Carbon Cycle**
- Climate Change and **Wildfire**



Percent of students who answered correctly

Student scores on pre- and post-tests increased dramatically after a week-long pilot test of Water Cycle Unit.

Ability	On Pretest	On Post Test
Name a greenhouse gas	48%	91%
Identify relationship between global temperature and carbon dioxide levels	52%	86%