Climate Change Education for the Future



Asombro Institute

The Southwest Climate Hub and the nonprofit 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

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 •

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

rercent of students who answered correctly			
Ability	On Pretest	On Post Test	
Name a greenhouse gas	48%	91%	
Identify relationship between global temperature and carbon dioxide levels	52%	86%	

Percent of stud	lents who	answered	correctly

22,000 STUDENT		\$2 MILLION Int funds brought in to support ience education since 2009
75% of stud ECONOMIC DISADVANT		87 SCHOOLS in the past 5 years
77% 18% HISPANIC CAUCASIAN	2% BLACK OR	BUILDING THE SCIENTISTS OF TOMORROW
	AFRICAN-AMERICAN	
TEACHER TRA	AINING	Summer 2022
In-person and online		14 ON DEMAND TRAINING VIDEOS
		OF MATERIALS
	makes it so much e	asier to teach these ce as a learner! And I kout rooms!"

WHO WE SERVE

to education standards, and easy to use.