



Armstrong Flight Research Center  
Educator Professional Development Workshop

# Earth Right Now: Celebrating Earth Science Week



Using observation data from NASA's fleet of satellites and its airborne science missions, researchers address some of the critical challenges facing our planet today and in the future: climate change, sea-level rise, freshwater resources and extreme weather events. Join NASA's Armstrong Flight Research Center Office of Education for an educator professional development workshop on water filtration. Come learn about the Environmental Control and Life Support System onboard the International Space Station that reclaims waste water from crewmember's urine, cabin condensation and Extra Vehicular Activity waste. Through hands-on experiments and physical demonstrations, educators will engage in standards-aligned mathematics, science and engineering activities as they create, build, and test a water filtration device using commonly available materials within the classroom in recognition of Earth Science Week.

**Target Audience:** K-12 Formal and Informal Educators

**When:** Wednesday, September 21, 2016, 4:30 pm – 6:00 pm

**Location:** NASA Armstrong Educator Resource Center at the AERO Institute, 38256 N. Sierra Hwy., Palmdale, CA 93550

**Register Online:** <http://goo.gl/forms/SIIPY87fPi>

**Questions?** Call Sondra Geddes 661-276-2359 or email at [sondra.l.geddes@nasa.gov](mailto:sondra.l.geddes@nasa.gov)

There is no charge for the workshop. Free NASA educational materials will be provided. Seats are limited, and will be filled on a first-come, first-serve basis. All participants must be 18 years old or older.