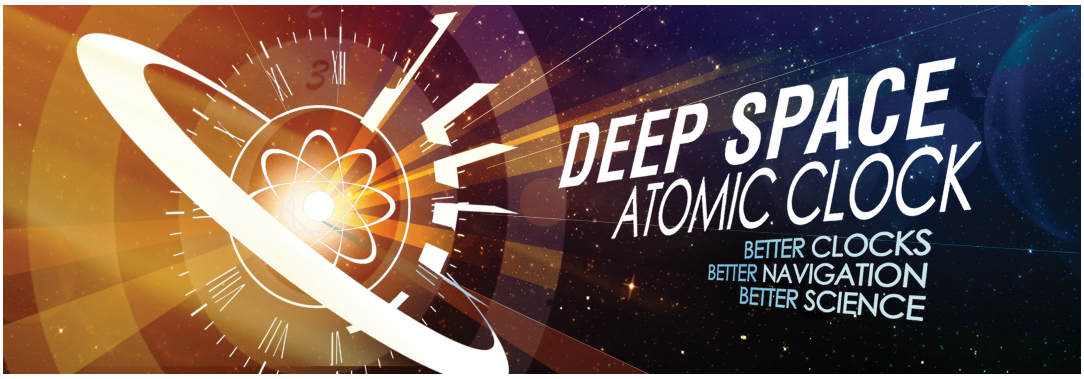
National Aeronautics and
Space Administration

Armstrong Flight Research Center
Educator Professional Development Workshop

Technology Drives Exploration: Deep Space Atomic Clock



Precise radio navigation -- using radio frequencies to determine position -- is vital to the success of a range of deep-space exploration missions. Join NASA's Armstrong Flight Research Center Office of Education for an educator professional development workshop on the innovative Deep Space Atomic Clock (DSAC) project -- a NASA Technology Demonstration Mission that will revolutionize deep-space navigation. Participants will hear from Dr. Todd Ely, JPL's Principal Investigator for the DSAC project about this revolutionary new capability that could forever change the way we conduct deep-space navigation. Through hands-on activities and physical demonstrations, educators will learn how to design, construct and test a simple water clock using the NASA Beginning Engineering Science & Technology for Educators Guide and the engineering design process.

Target Audience: K-12 Formal and Informal Educators

When: Wednesday, October 19, 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

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.

Education