SAMPLE Opportunities for Scientists to Partner with NASA SMD Astrophysics Education/Outreach Programs

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Your scientific interests/ NASA Astrophysics Focus Areas	NASA Astrophysics E/PO Partner (+website); Contact Person (+email)	Target Audience	Your Role/Contribution	Approximate Time Commitment
Big Bang	NASA SMD Astrophysics Higher Education Collaboration (http://smdepo.org); Greg Schultz (gschultz@astrosociety.org)	Instructors of undergraduate introductory astronomy (Astro 101) courses	Help us understand the teaching needs of Astro 101 instructors for cosmology topics.	1 hour total
Black Holes / Stars	Fermi Gamma-ray Space Telescope (http://gtn.sonoma.edu); Kevin McLin (mclin@universe.sonoma.edu)	High school or undergraduate students	Mentor students and/or teachers in observational projects with optical telescope. Provide a list of targets suitable for observing with a 14" CCD equipped telescope for their project.	1 hour per week over the duration of the project (3-4 months)
Exoplanets	Kepler (http://kepler.nasa.gov/); Alan Gould (agould@berkeley.edu) or Edna DeVore (edevore@seti.org)	Grades 5 through college graduate	Make presentations to classes.	2-4 hours per event, depending on number of classes
	Exoplanet Exploration Program-PlanetQuest E/PO Program (http://planetquest.jpl.nasa.gov/); Anya Biferno (anya.a.biferno@jpl.nasa.gov)	Middle and High School Students and Teachers	Help refine presentation materials through use of standardized presentations and materials, and evaluation efforts.	1-2 hours per classroom presentation
	Enhancing Public Participation in NASA's Search for Habitable Worlds; Sue Sunbury (ssunbury@cfa.harvard.edu)	General public and informal educational professionals	Contribute to an online community of astronomy enthusiasts discovering exoplanets using the MicroObservatory online telescopes; answer questions or comment on ideas from the group and/or post information about your exoplanet projects.	2-3 hours per month
Galaxies	"Big Ideas" project + Fermi Gamma-ray Space Telescope (http://grtep.com); Lynn Cominsky (lynnc@universe.sonoma.edu)	Undergraduate general education students	Help review the online curriculum for technical content. Field test modules as they are released (first module of 5 chapters is ready for field testing).	Technical review: 40 hours total. Field test: 20 hours per week for 5 weeks.
Galaxies / Stars	"Multiwavelength Astronomy" (http://ecuip.lib.uchicago.edu/mwastronomy/home.html); Julia Brazas (julia@uchicago.edu)	Grades 9-12 students	Participate in an interview with E/PO staff focused on biographical and topical questions about your path into science, your current research and NASA mission involvement, etc, for a story-based lesson.	Interview: 0.5-1 hour (in person or by phone). Logistics+review of transcript:1 hour (on email).
Multiple topics	HEASARC E/PO Group (http://imagine.gsfc.nasa.gov/index.html); Barb Mattson (barb.mattson@nasa.gov)	Grade 8-12 students and the public	Work with E/PO Professionals to review the Imagine the Universe! website for scientific accuracy and to update the information to reflect new and ongoing discoveries.	0.5-1 hour per webpage reviewed
	CosmoQuest (http://CosmoQuest.org); Pamela Gay or Nicole Gugliucci (cosmoquestx@gmail.com)	Adults	Make presentations at our weekly seminar series (online, live via Google Hangouts on Air, archived on YouTube).	2 hours per event

Contact us at: AstroForum@stsci.edu

More NASA Resources for Earth and Space Science Education: http://nasawavelength.org