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STEM Workshop @ 2015 Conference

BLAST OFF WITH ROCKETRY!

Fun and exciting rocketry projects don't have to break the bank. Learn three types of rocketry activities that you can easily and cheaply launch in out-of-school time programs in *Blast Off with Rocketry!*, a STEM workshop at the [2015 School's Out, Make It Count: Arizona Statewide Out-of-School Time Conference](#). Led by Kaci Heins of Northland Prep Academy and Jennifer Cheesman of Peoria Unified School District, this workshop invites out-of-school time staff to build and launch their very own rockets and how to incorporate complex STEM concepts into simple, and easily replicated hands-on activities. [Join us](#) for this workshop and many more on Saturday, October 24 at the Phoenix Convention Center.



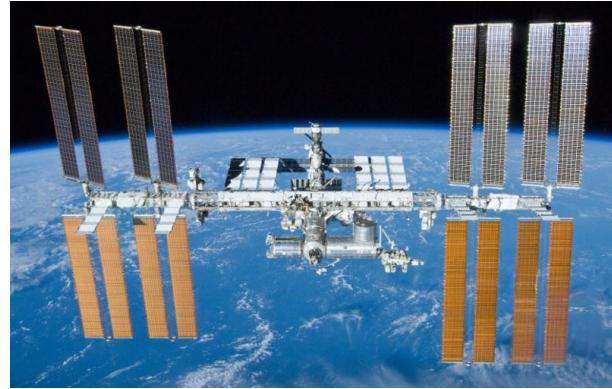
[LEARN MORE & REGISTER](#)

Tucson 4-H Youth Call Space Station

LOCAL CLUB SELECTED FOR UNIQUE OPPORTUNITY

This past week, [4-H youth in Tucson phoned Russian cosmonaut, Mikhail Kornienko](#), who is orbiting the Earth on the International Space Station. This was a unique opportunity, with only 12 finalists in the nation selected by NASA to talk live with the space station crew this year. The

4-H Ham Radio Club invited other local 4-H clubs, as well as Tucson-based astronaut Mark Kelly, to take part in the 12 minute conversation. What an incredible way to engage youth in exploration of space as well as possible STEM careers!



[WATCH THE VIDEO](#)

NASA Space Place

FEATURED ACTIVITY: BUILD YOUR OWN SPACECRAFT

[NASA Space Place](#) is an educational website that explores astronomical science through hands-on activities and interactive online games. The website includes a resource section targeted to parents and educators with lessons and activities like [Build Your Own Spacecraft!](#) This activity places youth in the role of chief engineer for an important NASA mission. As NASA engineers, youth design their own satellite and determine its function in space. Will it take photos of the Earth? Search for new planets? The possibilities are endless.



[VIEW THIS ACTIVITY](#)

What does quality look like in OST STEM?

NEW REPORT DEFINES QUALITY STEM OST PROGRAMS

The National Research Council's Board on Science Education has released a new report: [Identifying and Supporting Productive STEM Programs in Out-of-School Settings](#). The report identifies features of quality STEM programs in out-of-school settings and illustrates how interest in STEM and deep STEM learning develop across time and settings. [Download a free PDF of the report here.](#)



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