December 5, 2015

STEM on the Cheap

HANDOUTS FROM THE 4-H WORKSHOP

STEM on the Cheap was one of our most popular workshops at the **School's Out, Make It Count, Arizona Statewide Out-of-School Time Conference** the past two years, giving attendees the ability to enrich their STEM programming without breaking the bank. Presenters Eric Larsen and Curt Peters of Arizona 4-H have generously offered shared their workshop handouts for those who were unable to attend. Included are 35 STEM activities that can easily be incorporated into your program without requiring additional funding. Download them here:

>> STEM on the Cheap 1.0 Activities
>> STEM on the Cheap 2.0 Activities

ExtendED Notes

10 RESOURCES TO TEACH STEM IN AFTERSCHOOL

Check out the following tools, apps and resources from **ExtendED Notes** for facilitating STEM learning afterschool:

1. **Afterschool Alliance | STEM Resources** - References, assessment tools, curricula and other resources to get started with afterschool STEM.
2. **10 Essential STEM Teaching Practices** - Tips and proficiencies for STEM educators

teaching middle school students.

3. **STEM For ALL | STEM in Afterschool Resources** - Collection of guides, curricula, activity ideas and professional development resources to teach STEM.
4. **Preparing and Supporting STEM Educators** - Tips and recommendations for preparing educators to provide high-quality STEM instruction.
5. **Science After School (SAS) Consumers Guide** - Source for activities and resources that support afterschool science.
6. **We Are Teachers** - List of 60 apps for teaching STEM and STEAM.
7. **Robotics | Getting Started Guide from 4-H Development Experts** - Resources and strategies to successfully add robotics to your afterschool curriculum.
8. **Out-of-School Time Resource Center (OSTRC) | STEM Documents** - Documents pertaining to STEM and informal science education as well as opportunities to blend both with out-of-school time programming.
9. **NASA and Afterschool Programs | Connecting to the Future** - Brief that discusses the NASA role in afterschool to encourage U.S. students to pursue a career in science, technology, engineering or math.
10. Join Twitter and follow leaders in the movement for STEM in afterschool: **@ConnectMinds**, **@CarolTang1**, **@afterschool4all** and **@ankrishn1**. And while you're at it, follow us **@AZ_Afterschool**!

LEARN MORE ABOUT EXTENDED NOTES

SciJinks

THE SCIENCE BEHIND THE WEATHER

SciJinks is all about weather! Short for *Science Hijinks*, this joint NOAA and NASA educational website is geared toward middle- and high-school aged kids that puts fun and adventure into learning about weather, satellite meteorology, and Earth science. Youth are invited to answer important questions about weather, read timely stories about weather in the news, view profiles of fun weather jobs (**like this profile on National Aviation Meteorologists**), play mobile and web games about satellites and technology, and watch exciting weather-related videos. Head to the **SciJinks website** and check out the **downloadable content** for educators and out-of-school time professionals!

VISIT THE SCIJINKS WEBSITE

SIGN UP & SHARE

Sign up to continue receiving STEM Saturdays & invite a friend!

SIGN UP FOR STEM SATURDAYS!

www.azafterschool.org/stem