

STEM-IN'

Indiana STEM News



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Our New Newsletter Formats STEM learning opportunities do not end at 3pm. Therefore, in support of STEM Learning that includes both in-school and out-of-school learning opportunities, the Indiana STEM Resource Network (I-STEM) and Indiana Afterschool Network (IAN) have partnered in support of offering high quality STEM education to Indiana's pre-K through grade 12 students in both the formal and informal learning environments.

To that end, the two organizations will be collaborating on a variety of initiatives, including a monthly newsletter to be sent out to STEM supporters in Indiana. Every even-numbered month, the joint newsletter will focus on coming events, grant opportunities, and resources available to in-school and out-of-school STEM educators. Each odd-numbered month, the joint newsletter will focus on STEM education news pertinent to all involved in STEM education, whether in formal or informal learning settings.

Coming Events Of Interest For STEM Educators

November 18, 2016 – I-STEM/IAN STEM Taskforce Meeting Details will be sent to you shortly, but 'save the date' now for this bi-annual gathering of the I-STEM advisory group and the IAN STEM Taskforce.

September 22, 2016 – Indiana Afterschool Network & Indiana Youth Services Association Open House Please join us at this breakfast reception, 7:30-9:30 am, for networking and so that we can share our successes and growth during the past year. The open house will be held in the IAN/IYSA office, 445 N. Pennsylvania Street, Suite 945, Indianapolis, IN 46204. To let us know that you are coming, please RSVP at <http://evite.me/UMrbHfY4ah>

October 20, 2016 – Lights on Afterschool On Thursday, Oct. 20, one million Americans will come together at 8,000 events to celebrate the 17th annual Lights On Afterschool. Lights On Afterschool

(LOA) is the only nationwide celebration of afterschool programs and their role in the lives of children, families and communities. Everything you need for success is on the Afterschool Alliance's NEW LOA website- complete with new planning tools and weekly webinars to make planning an event easy. Register your event now and start exploring! When you register your event as an official Lights on Afterschool celebration, you'll receive an event starter kit, AND be eligible for cool prizes each week. <http://www.afterschoolalliance.org/loa.cfm>

1st Maker Space Check out the many Fall 2016 programs being offered by 1st Maker Space -- <https://www.dropbox.com/s/yscfiguwbedtb8w0/Fall%20Programs%202016.pdf?dl=0>

April 10-11, 2017 – Indiana Summit on Out of School Learning Like last year, this huge gathering of those involved in and supporting out-of-school learning will be held in the Indiana Convention Center in downtown Indianapolis. Information on workshop proposals and registration will be available so. Check the Indiana Afterschool Network website – <http://www.indianaafterschool.org/>.

Anyone interested in being a sponsor can contact Debbie Zipes at dzipes@indianaafterschool.org

Grant Opportunities for STEM Educators

American Honda Foundation Grants The American Honda Foundation's funding priorities are STEM education, the environment, job training and literacy. Nonprofits, public school districts, private/public elementary and secondary schools are eligible to apply. Funding deadlines are February 1, May 1, August 1, and November 1 each year. The maximum award is \$75,000.

http://www.honda.com/about?id=honda_foundations

Captain Planet Foundation Deadlines: September 30, 2016 (for spring and summer projects) and January 31, 2017 (for fall and winter projects). The Foundation primarily makes grants to U.S. based schools and organizations with an annual operating budget of less than \$3 million. Captain Planet Foundation also provides grants ranging from \$500 to \$2,500 for activities that are project-based, performed by youth and have a real environmental impact. <http://captainplanetfoundation.org/apply-for-grants/>

Indianapolis 1st Maker Space Fall Maker Activities Announced See [this page](#) for full listing. 1st Maker Space is offering half price attendance for any K12 teacher - 100% discount for any IPS teacher. Contact Shawna at for the code. www.1stMakerSpace.com.

Afterschool Alliance list of STEM funding <http://www.afterschoolalliance.org/STEMfunding.cfm>

STEMfinity STEM Grants Listings: Indiana

<http://www.stemfinity.com/stem-grants-indiana>

Indiana Youth Institute Professional Development Grants and FREE proposal reviews IYI offers professional development grants of up to \$750 to help youth-serving professionals pay for the registration cost and hotel or travel costs associated with a professional development opportunity. Submit an application by the tenth of the month to receive a decision by the first of the following month. More [HERE](#).

Also, if you're applying for a grant, submit your proposal to IYI, and an IYI consultant will offer you free feedback to strengthen your submission. More [HERE](#).

Lockheed Martin: Grants for Education Lockheed Martin provides grants for K-16 Science, Technology, Engineering and Math (STEM) Education. This includes Lockheed Martin's K-12 STEM Education Initiative, Engineers in the Classroom, as well as STEM-focused curricular and extracurricular programs that provide employee engagement opportunities in a community in which Lockheed Martin has employees or business interests.

Maximum award: varies. Eligibility: 501(c)(3) organizations that deliver standards-based science, technology, engineering and math (STEM) education to students in K-16. Amount: Varies Deadline: Rolling. More [HERE](#).

Best Buy Foundation The mission of the Best Buy Foundation is to provide teens with places and opportunities to develop technology skills that inspire and inform their future education and career choices. To that end, the foundation, through its Community Grants program, will award grants of up to \$10,000 to local and regional nonprofit organizations working to provide teens with places and opportunities to develop technology skills for a twenty-first-century economy. Examples of program activities include computer programming, digital imaging (photography, graphic design, videography), music production, robotics, and gaming and mobile app development. More info [HERE](#).

Resources for STEM Educators

The Afterschool STEM Hub This collaboration among out-of-school-time program leaders and stakeholders provides coordinated messaging and communications that impact advocacy and policy and help ensure the important place of informal, afterschool and summer programs in the STEM learning ecosystem. It is led by the Afterschool Alliance and generously supported by STEM Next, an initiative launched by the Noyce Foundation. NAA is a member of the Hub. For more information on this initiative (including the list of participating organizations) please visit

www.afterschoolstemhub.org

Next Generation Science Standards The Next Generation Science Standards (NGSS) offer a powerful new vision for American science education for the 21st century. NGSS has already been adopted by 17 states, as well as many more individual schools and districts. These resources will help you learn what's relevant for afterschool providers and help you develop a strategy for engaging with the new standards.

<http://www.afterschoolalliance.org/STEM-NGSS.cfm>

EVERY student **EVERY** school **EVERY** day

State Robotics Initiative Launched! TechPoint Foundation for Youth is thrilled to announce the launch of the State Robotics Initiative, in partnership with the Indiana Department of Workforce Development, REC Foundation, VEX Robotics, and Project Lead The Way. This first-of-a-kind, statewide initiative will provide robotics programming to any eligible Indiana elementary school. To learn more about this exciting opportunity, visit our website.

https://www.techpointyouth.org/robots/?blm_aid=3134487

Indiana Department of Education STEM School Certification Program For details on the process to earn the IDOE designation of a STEM School, follow [THIS LINK](#). Note that, to be certified as an IDOE STEM school, a school must offer an afterschool program in STEM.

Connect & collaborate with STEM programs through The Connectory! With the launch of The Connectory, it's easier than ever for kids to connect with STEM programs and opportunities, and for STEM practitioners to collaborate, develop partnerships, and share resources. This free online collaboration tool gives STEM program providers a chance to find partners based on interests as well as a platform to showcase STEM opportunities to families. Families, in turn, have a free, go-to resource to connect the children in their lives to STEM learning opportunities in their community. <http://www.theconnectory.org/>

Wilderness Adventure Clubs Open Camptown's Wilderness Adventure Club is designed for 3rd-5th grade students and has a nature education and character development focus. Each club of approximately 12-15 students meets one time per week after-school during the school year. During these meetings students will engage in active hands-on activities that teach a specific skill or lesson. Then, four times during the year we take a field trip to one of our local state parks to put into practice our new skills and get to know and enjoy the great outdoors. The best part is that this program is entirely underwritten by a grant from the Department of Child Services and Camptown. There is no cost to the school or the students. If you are a school interested in more information on the

Wilderness Adventure Club, please contact Don Schafer at <http://www.theconnectory.org/>

The Children of Indiana Nature Park, A Celebration of the Hoosier Bicentennial Did you know that kids need nature? They do! Research shows that children who spend time outside are more creative and are better problem solvers. They're healthier, more physically fit, more confident, better test takers, and less stressed! The Nature Conservancy is inviting schools, libraries and youth-serving organizations to help connect youth to nature by hosting events and activities that focus on nature in Indiana. The Conservancy has developed a web platform that enables libraries, schools, and youth-serving organizations to provide participating K-12 students with Nature-IN Deeds to the Children of Indiana Nature Park. Every K-12 student in Indiana is eligible to participate in the Indiana Bicentennial by claiming their Nature-IN Deed! To learn more and get involved, visit <http://www.ilovemyland.org> and contact childrenofindiananaturepark@tnc.org with any questions.

The Indiana Division of State Parks and Reservoirs is pleased to offer field trip grants to Indiana educators and their students. Field trips can engage students in learning about Indiana's fish, forest, wildlife, or natural habitats and their conservation, or about Indiana's history and cultural resources as they relate to Indiana State Parks and Reservoirs.

<http://in.gov/inrf/educate.html>

About the STEM-IN' Newsletter This newsletter is published 12 times per year by the I-STEM Resource Network and the Indiana Afterschool Network. For inquiries and news contributions please email: istem@istemnetwork.org.

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