

STEM-IN'

Indiana STEM News

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Carel Associates Expands High School STEM College Readiness Groups William Carter, Executive Director of Carel Associates Inc. (CAI), a non-profit public charity based in Brownsburg, Indiana, is pleased to announce the formation of a Sigma Omega Sigma (SOS) Student Volunteer Youth Chapter that is comprised of high school student volunteers.



The mission of student volunteers is to provide hope, guidance, and enthusiasm, through complimentary educational programs and leadership opportunities to public high school students. CAI has a primary focus to “prep” qualified dis-advantaged teen youth in their pursuit of a post-secondary STEM degree.

CAI “Prep” services include:

- **College Literacy** Covers college admissions and financial aid strategies
- **Financial Literacy** Powerful power point presentations re money matters
- **Leadership** Student Volunteer leadership opportunities exist for student leaders

Student Volunteer participation in these categories improves the potential of a student's admission into a choice college and receipt of maximum free financial aid.

The program is designed to encourage students, beginning when they are freshmen in high school and following them, throughout their high school careers and into their freshman year of college. The program helps students who are doing well academically but don't have the financial means to attend college.

For more details about the “CAI Prep” programs visit the CAI website at www.carelfoundation.org and use the Contact link to submit your comments.

Purdue Veterinary Medicine After-School Science Program Expands Nationwide through Grants to Partner Universities An after-school role-modeling program developed by the Purdue University College of Veterinary Medicine is expanding nationwide with the help of Colorado State University College of Veterinary Medicine and Biomedical Sciences, Cummings School of Veterinary Medicine at Tufts University, Lincoln Memorial University College of Veterinary Medicine, and Michigan State University College of Veterinary Medicine. Called This is How We “Role,” each college works with a community partner to increase awareness of the vital role that veterinarians play in keeping people and their animals healthy.



Supported by the Science Education Partnership Award (SEPA) program of the National Institute of General Medical Sciences (NIGMS) of the of the National Institutes of Health (NIH), the How We “Role” program focuses on teaching educationally disadvantaged elementary school students the importance of veterinary medicine. Purdue College of Veterinary Medicine led the development of Interactive science and math experiences for students in kindergarten through fourth grade through a collaboration among Purdue’s Evaluation and Learning Research Center, elementary school teachers, the Kingston Bay Group, and the Hanna Community Center. A free game and books for kids can be found on the program website: www.WeRoleLikeThis.org.

Indiana Based Project Based Learning Professional Development Magnify Learning is a teacher driven non-profit organization offering open workshops in summer, onsite workshops, and customized Project Based Learning trainings with an emphasis on sustainability and authenticity. By equipping teachers with the tools and skills of PBL, we help move kids from apathetic to empowered.



Magnify Learning offers multiple PBL professional development services:

- June Open Workshops: Four day K-16 workshops in PBL held in Indiana locations each June, accommodating multiple pathways for PBL skills development.
- On-site workshops: These are custom designed and delivered to address the needs of specific schools, school districts, and out-of-school programs.

- PBL Teacher Certification: PBL certification allows teachers/facilitators to demonstrate achievement of a high level of quality and success in the PBL process.
- PBL Web Sessions: These include eight standard web sessions based off of need to knows we regularly encounter in our training sessions with educators.
- Coaching: We offer coaching options designed to meet the different needs of our partners: on-demand coaching, intermediate coaching, basic coaching, and face-to-face coaching.

We love to get teachers to their sweet spot through professional development in PBL! Connect with us: <http://magnifylearningin.org/>

Indiana Pacers STEM Fest 2018 The Indiana Pacers, in partnership with Conexus Indiana will hold an Interactive STEM Fest on Sunday, February 11, 2018 at Bankers Life Fieldhouse from 11 AM to 1 PM before the Indiana Pacers vs. New York Knicks game at 5:00 PM. Tickets are ONLY \$10 per person for the Interactive STEM Fest & the Pacers game. Purchase tickets online at:



www.pacersgroups.com/stemfest2018. The deadline to order tickets is **Friday, January 12, 2018**.

Exhibitors are welcome to join the event with interactive STEM activities. For-profit organizations should go to www.pacersgroups.com/stemsponsor to view packages and register. Non-profits and educational institutions should go to www.pacersgroups.com/stemindiana for more information and to register.

Happy Holidays from I-STEM and IAN!

About STEM-IN' 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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EVERY student **EVERY** school **EVERY** day