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**2022 Sustainable Alternative Energies
Summer Boot Camp**

An Intensive "Boot Camp" Teacher Training Combining Academic Professional Development with Vocational Site Visits to Alternative Energy Providers

*Thanks to funding provided by:
Duke Energy Foundation – Week 1
Frank & Becky Levinson – Week 2*

Rose-Hulman PRISM will be facilitating two Sustainable Alternative Energies Summer Boot Camps for Indiana teachers this summer (see dates for each above). The boot camps take place on the Rose-Hulman Institute of Technology campus. STEM teachers, grades 4 -12, teaching units in their curriculum on sustainable and alternative energies are invited to apply. The purpose of this program is to provide the teachers a true "boot camp experience" in sustainable alternative energies combining academic professional development with vocational site visits to some alternative energy providers in Indiana. Some site visits may be in the form of virtual visits relative to COVID-19 protocols.

During the institute, teachers are to be developing standards-based, practical, and comprehensive lessons for units on sustainable alternative energies. Time will be given each day to help guide the development of lesson plans. Teachers will also be given time to share their ideas and collaborate each day.

Upon completion, and after fully participating in the institute, each teacher will receive a kit of supplies containing materials for all the lab activities done during the institute. Teachers can also receive, upon completion of the institute, 45 Professional Growth Points (PGP's) to apply on their Indiana Teacher's License renewal.

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2022 Sustainable Alternative Energies Summer Boot Camp

All participants will be housed in a residence hall on the Rose-Hulman Institute of Technology campus during the institute. Meals will be provided through the Food & Dining Services (Café Bon Appétit) in the student union.

Eligibility Requirements:

- Teachers must be active Indiana teachers teaching units on sustainable alternative energies in grades 4-12.
- Priority will be given to teachers that have 0-10 years of teaching experience.

Site visits could include:

Duke Energy Cayuga Power Plant
Hoosier Energy Merom Power Plant
NIPSCO Power Plant

MSD of Wayne Township Schools
Miso Headquarters, Carmel, IN
Benton County Wind Farms

Apply online:

[Duke Energy Sustainable Energy Boot Camp 2022 Registration Link](#)

[Levinson Sustainable Energy Boot Camp 2022 Registration Link](#)

[Contact PRISM](#) if you have any questions.

Resources for Teachers



The Nature Conservancy has created the Nature Lab to help students everywhere learn the science behind how nature works and how societies can help keep nature going strong. Founded in the U.S. in 1951, The Nature Conservancy has grown to become one of the most effective and wide-reaching environmental organizations in the world. Thanks to more than a million members and the dedicated efforts of a diverse staff and over 400 scientists, they impact conservation in 76 countries and territories. Nature Lab is The Nature Conservancy's youth curriculum platform. One of the newest additions to their online curriculum is Virtual Field Trips. Their curricula is categorized for different age groups of students: 5-11, 11-14 and 14-18. Within each category are comprehensive lessons including teacher guides that are very well done, are practical and worthwhile activities for students to become engaged in standards-based learning.

For more information:

<https://www.nature.org/en-us/about-us/who-we-are/how-we-work/youth-engagement/nature-lab/>



UEN is part of the Utah Education and Telehealth Network which connects all Utah school districts, schools, and higher education institutions to a robust network of high-quality educational resources. It is considered to be one of the United States' premier educational networks. Pre-K educational resources available include: a comprehensive lesson plan library, a teacher's toolbox (includes eMedia, PDTV, Homeroom Podcast, Utah's online library & professional development online courses along with some use educational apps), a library of rubrics for most content areas and grade levels (printable), and a great variety of resources searchable by grade level and content area. This is a fantastic resource site for all Utah educators and it is open to all educators everywhere.

For more information: <https://www.uen.org/>

Resources for Teachers



SplashLearn is transforming the way elementary students are learning and studying math and ELA. SplashLearn provides a highly engaging online activities and personalized learning experiences for K-5 students. SplashLearn is available for all digital platforms including iOS, PC's, desktops, and Android devices and has now been used by an estimated 40 million students worldwide. Kids love the math games and teachers see learning outcomes for students. SplashLearn can be utilized by teachers and parents to work with children. Teachers have been able to engage students remotely using SplashLearn highly effectively. Teachers have also connected with parents and reaped benefits of better parent involvement with student learning.

For more information: <https://www.splashlearn.com/>



STEMfinity has attempted to put together an online "one-stop STEM shop" for teachers and has done a pretty good job. For 10 years, STEMfinity has made a commitment to providing high-quality resources for STEM teachers and students. STEMfinity has created PreK-12 STEM solutions for classrooms, and afterschool programs, homeschooling parents throughout the U.S. and in 25 other countries. They have comprehensive curricular resources for all the science areas, engineering areas, robotics, the arts and math. They are also providing STEM Summer Camp Kits to keep students learning in the summer. Camp kits provide hands-on activities for subjects like forensic science, robotics, CAD, rocketry, and more. This is an excellent resource for teachers in STEM certified schools and programs.

For more information: <https://stemfinity.com/>

Professional Development Opportunities for Teachers



This summer there will be fourteen Summer of Learning conferences sponsored by the Indiana Department of Education / Digital Learning. These conferences will offer educators opportunities to connect with innovative, technology enhanced pedagogy related to accelerated learning, STEM, literacy, digital, blended learning, and more. The fourteen conference hosting sites were selected through a Summer of Learning grant application process.

Dates	Conference Host	Conference Website	Keynote Speaker
July 13	Yorktown Community Schools	Be Epic	Trevor Muir
July 13	Lewis Cass Schools	Collaboration, Acceleration, Technology	Haley Moss
July 19	East Washington School Corporation	Summer Learning Conference	Tom Allen
July 20	Richmond Community Schools	Tech EnRICHed	Matt Miller
July 26-27	Lafayette School Corporation	Ignite	Jess Lubinsky Amber Harper
July 26	Fort Wayne Community Schools	IngitED at FWCS	Jon Corippo
August 2	Penn-Harris-Madison School Corporation	Technovation	Carl Hooker
August 4-5	South Bend Community School Corporation	EdTech in the Bend	Nick Provenzano Jon Corippo

The STEM Connection



The STEM Connection provides professional development to empower educators, youth workers, and caregivers by sharing STEM content knowledge, developing STEM practices, and building confidence to provide more meaningful STEM experiences for children. The last few years have created new challenges and opportunities for teachers throughout this country. The STEM Connection is working to provide timely and relevant information to address the concerns of educators, youth workers, and families as they navigate in-person, virtual, and blended learning experiences. PGP and CYC certificates are available upon completion of webinar programs. The cost for each webinar is \$10 per participant. District and individual school packages are available.

For more information: <https://thestemconnection.org/stem-professional-development/>

What PRISM Can Do For You!

- Easily find the perfect teaching and learning resources from our library of over 5,000.
- Save a list of your favorite resources for quick retrieval.
- Create and share lesson plans that teach your subjects utilizing your favorite resources.
- Develop online classrooms with interactive assignments, lessons, quizzes and more!
- Store your classroom materials online so that they are available to you from any computer.
- Reach your students more effectively by using web media for the digital age.
- Earn PGP points by completing PRISM led online Moodle course – either Beginning Moodle or Intermediate Moodle courses are available to you at no cost several times throughout the year.
- Select from free learning resources that emphasize visualization, rich context, staged-problem solving, and electronically enabled collaboration / communication.
- Augment your own dynamic presence in the classroom with teaching tools that mirror the skills needed for success in higher education and the 21st Century workplace.

Through our strong support from the **Lilly Endowment** and others, we are constantly growing and improving. Check our site regularly to see what new resources you can use in your classroom.

www.rose-prism.org