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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 / Omicron protocol.

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 Appetit) 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 cK-12 Foundation is a non-profit organization dedicated to developing and improving student learning by increasing access to free, high-quality online educational resources. cK-12 has free standards-aligned, digital textbooks that are customizable, able to be integrated in a variety of curricula and are interactive. These are all provided on the Flexbooks 2.0 platform. cK-12 now has over 100 physics and chemistry simulations help that make concepts more understandable particularly visual learners. Ck-12 has over 5,000 concept-based learning activities and lessons provided in a variety of modalities including text, video lessons, interactives and adaptive practice. For math and science courses, cK-12 has developed PLIX Interactives (Play, Learn, Interact, and eXplore). cK-12 helps educators at various levels and content areas with summer programs, monthly webinars, and archived webinar recordings.

For more information: <https://www.ck12.org/student/>



Curriki provides tools to design, customize, and publish learning content for all educators. This enables teachers to create highly interactive learning experiences for their students. Through these endeavors, Curriki is helping to shape the future of learning. Their aim is to empower educators to create, publish and be able to evaluate immersive learning experiences online. This will enable the engagement of students in a more meaningful way. With free technology solutions, Curriki has enabled teachers to author and publish, their own curricular content appropriate for their students opening up a new world of possibility for student engagement.

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

## Resources for Teachers



OER Commons is a public digital library of open education resources. All users including teachers and students can explore, create, and collaborate with similar learners (or teachers) around the world. Teachers are enabled to truly improve curricula by fully utilizing resources and collaborating with others on OER Commons. All of the resources on OER Commons are free, and they are committed to always offering them to be free to all teachers and learners. OER Commons is also building teaching / learning communities to come together to support these resources, build and develop the OER library of resources and create infrastructure to grow this community.

Open Author is a tool that helps teachers build and publish their own resources to use and share. Groups provides a flexible environment to organize, create, share, and discuss resources with others in the network. Teachers and learners can collaborate with other group members, tag and add resources to shared folders and create their own collections and portfolios of resources.

All K-12 educators are invited to harness the power of OER Commons!

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



Science Buddies has a mission to inspire and educate all K-12 students with hands-on STEM explorations. Science Buddies hopes to enable the ability for students to discover, become engaged and learn a great variety of STEM applications. They have a vision of continuing to develop high-quality scientist-authored explorations covering all STEM content areas providing these to students, classroom teachers, informal educators, and parents. All Science Buddies resources are free to everyone. Resources include science projects at all grade levels, project guides, STEM careers resources, video lessons and much more.

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

## 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                 |
|------------|--|---|---------------------------------|
| June 1-2   | South Madison Community School Corporation     | <a href="#">eLead</a>                                   | Gerry Brooks<br>Dr. Megan Tolin |
| June 1-2   | Batesville Community School Corporation        | <a href="#">Splash Into Learning</a>                    | Kim Campbell<br>Chris Young     |
| June 2     | DeKalb County Central United School District   | <a href="#">Intentional Innovation Conference</a>       | Trevor Muir                     |
| June 10    | Franklin Township Community School Corporation | <a href="#">SPARK Summit</a>                            | Gerry Brooks                    |
| July 13    | Yorktown Community Schools                     | <a href="#">Be Epic</a>                                 | Trevor Muir                     |
| July 13    | Lewis Cass Schools                             | <a href="#">Collaboration, Acceleration, Technology</a> | Haley Moss                      |
| July 19    | East Washington School Corporation             | <a href="#">Summer Learning Conference</a>              | Tom Allen                       |
| July 20    | Richmond Community Schools                     | <a href="#">Tech EnRiched</a>                           | Matt Miller                     |
| July 26-27 | Lafayette School Corporation                   | <a href="#">Ignite</a>                                  | Jess Lubinsky<br>Amber Harper   |
| July 26    | Fort Wayne Community Schools                   | <a href="#">IngitED at FWCS</a>                         | Jon Corippo                     |
| August 2   | Penn-Harris-Madison School Corporation         | <a href="#">Technovation</a>                            | Carl Hooker                     |
| August 4-5 | South Bend Community School Corporation        | <a href="#">EdTech in the Bend</a>                      | Nick Provenzano<br>Jon Corippo  |

## Project SELECT at Rose-Hulman

PROJECT SELECT is an immersive, hands-on science and engineering camp at Rose-Hulman Institute of Technology for high school students during the summers after their freshman or sophomore years. In Project SELECT, students build on existing science and mathematics knowledge as they connect it to modern engineering applications. All Project Select students get hands-on experience working one-on-one with Rose-Hulman professors exploring how science can be applied to solve difficult problems, design, and innovate working on exciting projects. Students will work with state-of-the-art equipment and have a great deal of "hands-on" learning.

Sunday, July 10 thru Saturday, July 16 (7 Days) – SESSION I

Sunday, July 17 thru Saturday, July 23 (7 Days) – SESSION II

Cost: \$1,450

For more information:

<https://www.rose-hulman.edu/admissions-and-aid/early-planning/project-select/index.html>

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## 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](http://www.rose-prism.org)