

## Newsletter

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## Duke Energy Sustainable Energy Experience

### Summer 2015 Opportunity

From July 12th - July 17th, Rose-Hulman PRISM will be facilitating the Duke Energy Sustainable Energy Institute on the Rose-Hulman campus. This institute has been funded by Duke Energy of Indiana. Indiana 9-12 Agriculture teachers teaching a Sustainable Energy Alternatives course (or will be) are invited to apply. The purpose of this institute is to provide the teachers a true “boot camp experience” in sustainable energies combining academic professional development on the Rose-Hulman campus with vocational experience through site visits to some alternative energy providers in Indiana.

During the institute, teachers are to be developing standards based, practical and comprehensive lesson plans for the Sustainable Energy Alternatives course. Time will be given each day for lessons to be developed and actually “challenge questions” will be provided each day to guide the development of lesson plans.

Upon completion and having had full participation in the institute, participant teachers will receive Microsoft Surface Pro devices. This will include an attractive software package and some accessories. Teachers can also receive, upon completion of the institute, 50 PGP's for Indiana Teacher License renewal.

All participants will be housed on the Rose-Hulman campus in a residents hall during the institute. Meals will be provided through Food & Dining Services in the student union.

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## Duke Energy Sustainable Energy Experience - continued

### Eligibility Requirements:

- Teacher must live in a [Duke Energy Service Area](#) (click to view the map)
- Teacher must be an Agriculture teacher teaching the Sustainable Energy Alternatives course (or will teach the course in the future).
- Teacher has 0-5 years of teaching experience.

### Main Topics:

- U.S. Power Grid
- Energy Conservation
- Solar Energy
- Geothermal Energy
- Wind Energy
- Bio-refining
- Nuclear Energy

### Alternative Energy Site Visits:

- Duke Energy - Cayuga Power Plant
- IND Solar Farm - Indianapolis International Airport
- Ball State University Geothermal Facilities
- POET Bio-refining - Cloverdale, IN

To register for this event, visit the PRISM website, log-in (create an account if you do not have one), and click the 'Event Registration' link in the Main Menu. Use the drop-down menu to select the Duke Energy Sustainable Energy Experience option. You will see a complete description of the course. To sign up, scroll down and enter your information. You should receive a confirmation email. If you do not receive a confirmation email, please contact us.

**Please register as soon as possible! We have limited availability for this exciting summer opportunity.**

## 4 Fresh Ideas for Teaching Digital Citizenship Sooner

*by Carmela N. Curatola Knowles  
eSchool News*

**Kids are immersed in technology from a very young age. So why do digital citizenship courses focus on middle school and above?**

Recently, I was reflecting on how we as parents and teachers account for all of our children when we are in public areas. Be it on a field trip, vacation, or just a trip to the toy store, we count heads to make sure they're with us and safe. In a digital learning environment, how can educators ensure that students are being safe while they are online?

Throughout my career, I've taught the use of technology to elementary students. While at my former school district, I worked with colleagues to create a comprehensive Internet Safety Unit with a specific focus on digital citizenship. In my current job at Lower Moreland Township School District, I still look for opportunities to reinforce digital citizenship skills within my lessons. A key element of this program was to address an ISTE Standard for teachers to "Promote and model digital citizenship and responsibility."

How can we help all students—from elementary to post-secondary—be savvy digital citizens? It might not be as difficult as you think. There are some easy ways for all educators to help students build these important skills.

1. Start a dialogue with your students. I believe it starts with listening and learning with the students. When I started discussing internet safety and digital citizenship with my students, I opened up a conversation with them. I was amazed by what I learned about my students individually. For example, one student in third grade proudly mentioned hearing the adults curse online while playing a video game. I asked him if he thought this was appropriate. His response, of course, was that he was fine. At that time, he had not been one of my stand-out students academically. But, at the end of this project, I discovered he had done an outstanding job creating his Internet Safety Tips flyer. It was obvious to me that he had been thinking about the subject long after our discussion. Over the next two years, he became one of my top students, participating in class and doing quality work in class projects. Best of all, his responses evolved into thoughtful, well-crafted contributions to class discussions.
2. Involve the students. Look for unexpected responses. They are the ones that present opportunities to guide students into online safety reflection. Numerous times I've heard that children know more about computers than adults. While they may know much more about the computer games they play, I think it is the rare child who knows a great deal about the computer and the technology itself. I'm delighted to have participated with the Code.org campaign for that reason. Just as children learn to build their mathematical skills by guided exploration, trial and error, they also learn to build their technological skills in the same way. Start with the simple things in life and the foundation is set for the future. As adults, we still need to coach and mentor our children as they construct and make meaning of their own learning. Simple tasks, such as navigating through a district network vs. a cloud service and following secure back up procedures are expected skills in the working world. These are not necessarily skills needed on a standalone computer game that automatically saves.

**Read more online at:** <http://www.eschoolnews.com/2015/02/16/digital-citizenship-young-229/>

## Professional Development Opportunities

### Professional Development Opportunity for Indiana Middle Schools 2015 - 2016



#### What Is Reading Apprenticeship: Writing Connections?

Reading Apprenticeship is a research-based professional learning model and instructional framework to improve student literacy and learning. With a focus on discipline-based ways of thinking, reading, and writing, Reading Apprenticeship is not a curriculum but a way of working with teachers and students to help them make the most of their own subject knowledge, tools, and texts, so that even inexperienced student readers and writers engage with complex texts and gain deeper understanding of core subject area concepts.

#### Who Should Attend?

Any teacher who independently teaches at least one regular education middle school science, history/social studies, or ELA class is eligible to participate. Participating school teams should include 6-9 teachers with at least two teachers in any of the aforementioned subjects. School teams meeting these criteria will be given priority.

#### Results

Randomized controlled studies have found that Reading Apprenticeship increases students' scores on standardized subject area and reading comprehension tests—in some cases by more than a year beyond those of control students. In addition, students become more confident, persistent, and engaged academic learners. Read the research at <http://readingapprenticeship.org/research-impact/research-results-tools/randomized-controlled-studies/>

#### Professional Development Model

1. Seven days of in-person training, beginning with a 3-day Summer Institute in 2015
2. Four hours a month of online learning in small content area groups (synchronous "live" interaction with teachers, not video watching).
3. Monthly learning sessions with your school team.

#### Benefits

This unique opportunity includes high quality professional development, both in-person and online, as well as online support, materials, and substitute costs — at no cost! Actual value of this grant-funded professional development is \$3,500 per teacher. Teacher stipends up to \$500 are available for participants.

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## Professional Development Opportunities - continued

### Student benefits

1. Extensive reading of a broad range of complex, high quality texts.
2. Strategic reading, problem-solving and writing.
3. Close reading and use of textual evidence to support reasoning and writing.
4. Building stamina and self-efficacy with progression toward independence.

### Expectations

1. Teachers commit to attending all 7 days of in-person training and 4 hours/month of online learning.
2. Teachers commit to meeting once a month at your school with colleagues.
3. Teachers implement Reading Apprenticeship strategies and routines in their classrooms.
4. Principals participate in the first 3 days of the learning and support school teams.
5. Schools are responsible for travel expenses for their participating teachers.
6. WestEd will not cover any travel expenses.

### 2015-2016 LOCATION

**AVON MIDDLE SCHOOL NORTH  
1251 N. DAN JONES ROAD  
AVON, IN 46123**

### Schedule

<b>July 6-8, 2015:</b>	3-Day Opening Institute
<b>Fall 2015:</b>	Online Learning Sessions, about 4 hours a month
<b>January 25-26, 2016:</b>	2-Day Winter Institute
<b>Spring 2016:</b>	Online Learning Sessions, about 4 hours a month
<b>July 11-12, 2016:</b>	2-Day Closing Institute

Read more online at: <http://readingapprenticeship.org/current-projects/reading-apprenticeship-writing-connections/>

# Upcoming Events

## PRISM March Moodle Training Courses

**Basic Moodle for Teachers** - A basic introduction to Moodle 2.8.5. You will learn how to build a classroom course and populate it with files, assignments, and quizzes.

**March 17 - April 14**

**Intermediate Moodle for Teachers** - A continuation from the Basic Moodle for Teachers course. Choose this course if you already have Moodle experience and would like to learn how to use some of the more advanced features like wikis, databases, lessons, and RSS feeds.

**March 18 - April 15**

**Advanced Moodle for Teachers** - A continuation from the Intermediate Moodle for Teachers course. This course will take the Intermediate level course a step further as participants learn advanced gradebook features, groups and groupings, conditional activities, and the workshop activity module.

**March 19 - April 16**

If you would like to register for a course, please visit the PRISM website, log in, and click the 'Event Registration' link. Use the drop-down menu to select the appropriate course. You will see a complete description of the course. To sign up, scroll down and enter your information. You should receive a confirmation email.

## What PRISM Can Do For You!

- Easily find the perfect teaching and learning resources from our library of over 4,000.
- Store your classroom materials online so that they are available to you from any computer.
- Select from free learning resources that emphasize visualization, rich context, staged-problem solving, and electronically enabled collaboration / communication.
- Save a list of your favorite resources for quick retrieval.
- Reach your students more effectively by using web media for the digital age.
- 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.
- Create and share lesson plans that teach your subjects utilizing your favorite resources.
- 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.

*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)



PRISM is a free website that provides collections of online resources for Indiana educators in the fields of science, technology, engineering, and mathematics (STEM). The primary collection of digital teaching materials is indexed according to the Indiana Academic Standards for 6th, 7th, and 8th grade and secondary education courses.