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## Lilly Endowment Grant

A \$950,000 Lilly Endowment Inc. grant will enable Rose-Hulman to continue providing Indiana K-12 teachers with state-of-the-art digital learning tools that educate students to meet the state's growing workforce demands in science, technology, engineering, and mathematics (STEM) career fields.

Launched in 2003, the Portal Resource for Indiana Science and Mathematics



(PRISM) project has become a model for integrating new information and communication technology (ICT) proficiencies into traditional STEM classrooms and curricula. The highly-acclaimed website has had over 262 million hits from visitors around the world and now has 8,400 registered teachers and 66,411 student accounts. Lilly Endowment has been PRISM's lead funder since its inception, contributing a total of nearly \$3.7 million to the project.

PRISM remains focused on Indiana educators and students, with 85 percent of its visitors being from the state. PRISM Director Patricia Carlson, PhD, states that the program has been successful in strengthening Indiana's educational cyber-infrastructure, supporting standards-driven STEM education through teacher professional development, advocating for innovation in Indiana STEM education, and promoting workforce development and 21st century skills.

PRISM works collaboratively with schools, districts, and regional and statewide organizations such as the I-STEM Network. It provides five core services: A library of over 4,000 free, online teaching resources, teacher professional development workshops, electronic lesson plan builders, distance education courses, and a tele-mentoring program that provides partnerships between Rose-Hulman students and ninth graders.

"PRISM facilitates innovative teaching and learning in the STEM disciplines," says Rose-Hulman President James C. Conwell, PhD. "Lilly Endowment's grant will help us continue to equip Indiana students with the tools and critical-thinking skills they need to meet the demands of an increasingly high-tech society."

Lilly Endowment is an Indianapolis-based, private philanthropic foundation created in 1937. More information about the Endowment is available at [www.lillyendowment.org](http://www.lillyendowment.org).



<http://openstudy.com/>

## OpenStudy

Discover. Learn. Earn a Certificate. OpenStudy is a social learning network where students ask questions, give help, and connect with other students studying the same things. Our mission is to make the world one large study group, regardless of school, location, or background.

Like any successful startup, we work hard, have fun, and believe in what we do. We invite you to use us, join us, and spread

the word. We want to change the way the world learns, and we'd love to have you be part of it.

OpenStudy is a for profit business funded by the National Science Foundation, the National Institutes of Health, and the Georgia Research Alliance. We're located at Georgia Tech's ATDC Center in Technology Square, Midtown Atlanta.



<http://www.socrative.com/>

## Socrative

Socrative is a smart student response system that empowers teachers by engaging their classrooms with a series of educational exercises and games. Our apps are super simple and take seconds to login. Socrative runs on tablets, smartphones, and laptops.

It's important to us that everyone has access to Socrative. So, we've created some tool specific apps and all web-enabled

devices are invited. Furthermore, activities can be completed collaboratively, so don't worry if you don't have a device for each student.

Teachers login through their device and select an activity which controls the flow of questions and games. Students simply login with their device and interact real time with the content.

Student responses are visually represented for multiple choice, true/false and Short Answer questions. For pre-planned activities a teacher can view reports online as a google spreadsheet or as an emailed Excel file.



<http://exchange.smarttech.com/>

## SMART Exchange

Join the SMART Exchange community and unleash the potential of your SMART devices. The exchange offers free resources that are guaranteed to work for your device because they were created specifically for SMART equipment. These resources are offered by both SMART resource developers and the community to create an atmosphere of learning.

The resources and lesson plans are standards aligned so that you can easily find the resources you need in the classroom. Take part in the SMART community today. There are resources for any and all SMART devices. Many of the resources can be used without a SMART device. The exchange is free to join and your students will love you for it.



<http://www.carrotsticks.com/>

## CarrotSticks

CarrotSticks is an online multiplayer game that improves math skills and understanding for 1st - 5th graders as they practice and compete with other students around the world! Whether your child prefers competing with others or practicing on their own, they'll love designing their own characters and earning points by solving problems.

CarrotSticks takes the friction out of motivating your child to go the extra mile with math by making it social and fun! Playing CarrotSticks means solving math problems, step by step, in a uniform way. Through repeated practice, CarrotSticks kids build valuable speed and "muscle

memory," both of which are key to success in mathematics.

CarrotSticks kids can practice on their own or compete with their peers, solving elementary math problems. Each problem category is divided into 25 levels designed by doctoral students at the Stanford School of Education to emphasize specific skills and concepts.

CarrotSticks is currently free for unlimited classroom use (7am to 3pm). Should the student desire access at home, a subscription can be purchased for as low as \$3.95 per month!



<https://www.diigo.com/>

## Diigo

Instead of just bookmarking, Diigo allows you to highlight text and attach sticky notes to specific parts of web pages. Diigo highlights and sticky notes are persistent in the sense that whenever you return to the original web page, you will see your highlights and sticky notes superimposed on the original page, just what you would expect if you highlighted or wrote on a book!

When you bookmark a page to Diigo, you can

choose to upload the page, even if it is dynamic or hidden behind the password protection. You can search your collections not only by tags, but also by full-text, including highlights, sticky notes, titles, etc of the web pages.

If you have any need for team-based research, be it a class, a club, an interest group, or a work group, Diigo groups are ideal for you. A Diigo group can be public, private or semi-private.

When a member of a Diigo group comes across a web page, he can highlight, tag, and share it to the group. In this way, group bookmarks become a repository of collective research. Various sorting methods (by most recent vs. popularity) make it easy to spot relevant resources.

If you want more than a simple bookmarking tool, Diigo is for you!



<http://www.timetoast.com/>

## Timetoast

Timetoast is a place to create and share timelines on the web. You can create historical timelines of important events, or build a timeline of your vacation. It's all up to you and your imagination. Timetoast is a great way to share the past, or even the future... Creating a timeline takes minutes, it's as simple as can be.



<http://www.myon.com/>

## myOn

myON reader is a complete literacy solution that reinvents student reading. Providing anytime, anywhere access to thousands of award-winning digital books, myON reader recommends content to readers at their interest and at their level.

Students become immersed in reading titles targeted specifically for them. With features only digital content can offer, like spoken word audio to model fluency, sentence highlighting and an embedded dictionary, students and educators agree—it's magical. myON reader takes literacy one step further. Using embedded Lexile® reading assessments, educators can measure and forecast reading growth. For each student, myON reader metrics include time spent reading, number of books read, a reading growth

trajectory, and much more. myON reader truly is magic with metrics.

myON reader is the only literacy program available today that creates an individual profile for students based on their interests and reading ability and generates a recommended book list that students can use when determining what they want to read.

myON reader provides an accurate, real time measure of what students read and how long it takes them to read. It also measures comprehension with end-of-the-book quizzes. Students can monitor their progress through their growth chart. In turn, teachers can track student progress through a personalized dashboard, which allows them to customize the reading experience for each student.



<http://audioboo.fm/>

## audioBoo

It's fantastic for many things: interviews for your website, wonderful ambient sounds, music you've made, your children growing up, even a full-on radio show. You can use it for reporting, storytelling, education, as an online dictaphone, or just to let friends know what you're up to. Audioboo works on iOS and Android devices or via the web, and soon blackberry and windows 8. Our mission is to be the one platform you use when you want to record audio, share it or save it for the future.

Get the app on your mobile or use the record buttons throughout the site.

It can do everything the app does, but also adds in the ability to upload audio recorded on other devices. You can also add a title, description, a photo and a location. There's a 3 minute limit for the free plan, but you can upgrade for more.

You can boo anonymously from the mobile app but it's much more powerful with an account - all you need is an email address. We don't ask for much more, but if you enter your real name, a short bio and a web link, it makes it easier for people to know who you are. You can also upload a photo or use a gravatar.

Hear a boo you like? Try following that person via the follow button. All your followed users' boos all appear on one screen, which makes it easy to keep up to date. You can find people by listening to featured or popular boos, as well as searching for things you're interested in.

You can choose to link to twitter, facebook tumblr or blogger. this will make sure your boos appear in your accounts on those platforms as well as always being available on audio-boo. With facebook, you even get a fancy embedded player.

## Professional Opportunities

*The Lebanon Community School Corporation and Indiana Department of eLearning Presents:*

# THE DIGITAL SHIFT

UPGRADING YOUR 21ST CENTURY TOOLBOX

The Lebanon Community School Corporation and the Indiana Department of eLearning have partnered to help teachers and administrators bridge the gap between a textbook driven curriculum and a digital curriculum. It is more than simply scanning the textbook and worksheets! This conference will help people make the shift toward the integration of digital resources for enhancing instruction and increasing student engagement for improved learning. Attendees will learn from one of the top experts on this topic, Dr. Heidi Hayes Jacobs, who will provide keynote sessions as well as extended breakout sessions during both days of the conference. Registration is now open!

<http://lebanonelearning.weebly.com/register.html>



Get ConnectED will take place July 31, 2013 at Zionsville Community High School. This conference will be focused on four important aspects. Exploring topics related to creating high-quality learning environments, providing innovative learning models to help students become creative thinkers, exploring software, Web tools, and resources that make teaching more effective and learning more engaging, and building digital classroom community. Registration is now open!

[http://harbinger.zcs.k12.in.us/community/?page\\_id=231](http://harbinger.zcs.k12.in.us/community/?page_id=231)

## What PRISM Can Do For You!

- Easily find the perfect teaching and learning resources from our library of over 4,000.
- 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)



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.