Teacher Creativity Fellowship Program 2013

Lilly Endowment Inc., an Indianapolis-based private philanthropic foundation, is pleased to announce its successful Teacher Creativity Fellowship Program for 2013. For 2013 the Endowment will offer up to 100 grants of $10,000 each to Indiana’s public and private school teachers (including guidance counselors and library/media specialists), principals and assistant principals for projects of the individual’s choice.

Proposals must be postmarked by November 2, 2012. Recipients will be notified by February 22, 2013. www.teachercreativity.org

Project Dragonfly - Miami University

The Global Field Program (GFP) brings Master’s degree candidates, scientists, educators, community leaders, and others together at conservation hotspots in Africa, Asia, Australia, and the Americas for firsthand experience with inquiry-driven education, environmental stewardship, and global understanding. GFP candidates join a growing network of leaders who work collaboratively to bring about change in local and global contexts.

This program builds on the graduate courses and environmental partnerships of Earth Expeditions and the NSF funded Wild Research. Because the GFP combines summer field courses worldwide with web learning communities, this Master’s degree can be completed part-time from anywhere in the U.S. or abroad.

gfp.projectdragonfly.org

Earth Expeditions

Earth Expeditions is a global conservation and education program supporting university courses, degree programs, and collaborative projects in Africa, Asia, Australia, and the Americas. Through Earth Expeditions courses, our mission is to build an alliance of individuals with firsthand knowledge of inquiry-driven, community-based learning for the benefit of ecological communities, student achievement, and global understanding.

Travel to pivotal hotspots in Africa, Asia, Australia, and the Americas to engage in inquiry and action projects on vital issues in conservation. Build relationships with classroom teachers, informal educators, and conservationists from around the world.

From home or work, all students collaborate with faculty and classmates in Dragonfly Workshops, an easy-to-use web-based learning community, created by Project Dragonfly. Students worldwide discuss assignments, develop projects, and exchange ideas throughout the fall semester. To learn more about this unique Web experience, visit dragonflyworkshops.muhio.edu.
**Quest Atlantis**

The Atlantis Remixed (ARX) Project is an international learning and teaching project that uses 3D multi-user environments to immerse children, ages 9-16, in educational tasks. Emerging from a decade of research with Quest Atlantis, the ARX Project now combines strategies used in commercial games with lessons from educational research on learning and motivation. The Atlantis Remixed Project allows students to travel to virtual places to play educational adventures, talk with other users and mentors, build virtual personae, and eventually create their own games. This project is intended to engage children ages 9–16 in a form of transformational play comprising of both online and off-line learning activities, with a storyline inspiring a disposition towards social action. The Atlantis Remixed Project and Quest Atlantis provide students entire worlds in which they are central, important participants; places where their actions have significant impact on the world, and places in which what one knows is directly related to what they are able to do and, ultimately, who they can become. Explore our site and learn more about this exciting project.

**CellCraft: Exploring the Cell Through Gaming**

CellCraft is a state of the art game that invites students to delve into the world of the cell, learning about how a cell functions while helping it survive in hostile environments. The student will gain an understanding of important molecules such as glucose and ATP, as well as a variety of cellular organelles, while going through an entertaining story guided by Platypus scientists in need of help. The game encourages students to balance resources and grow a robust cell in order to fight off cold, starvation, and viruses. Can you use your cellular knowledge to grow a super cell and save the Platypus species? Find out by mastering the art of CellCraft!

Twitter - @CarolinaBio

**Royal Society of Chemistry**

Learn Chemistry has hundreds of resources to help you teach chemistry. Our teaching section features chemistry demonstrations, assessment tools, handouts and worksheets, from Primary to HE. There are thousands of substance pages and hundred more downloads and interactive resources.

The RSC is the largest non-government supporter of chemistry education in the UK. Our activities encompass formal and informal education from the cradle to the grave and are grouped into three key areas:
- Schools and colleges
- Higher Education (HE)
- Continuing Professional Development (CPD)

**Alberta Learning**

The Biological Science department at the University of Alberta has created this collection of multimedia for instructional use. The resources address instruction from middle school through college and can be selected to review online or downloaded to your computer.
Learnzillion

Explore math video lessons! Search by Common Core, domain, topic or grade. Each video includes additional practice and director commentary videos.

2000 CCSS lesson videos created by master teachers. You can use as professional development or to share with your students.

Find Learnzillion on Facebook
www.facebook.com/LearnZillion

Twitter - @LearnZillion

Yummy Math

We’ve created Yummy Math to provide teachers with an easy way to bring real-life into their math classrooms. It is our belief that when math is explored in contexts that are familiar and of interest to students, students will be more engaged to do math, reason, think critically, question and communicate. Our activities are written to correspond with the NCTM Process Standards and the CCSS Standards for Mathematical Practice. We are in the process of adding CCSS correlation to each of our activities. We’ve kept the site updated with multiple activities per week since March 2010 at no charge to teachers.

The site does require a subscription to access the solutions. The lessons are engaging and easy to solve.

Twitter - @Yummymath

Illustrative Mathematics

Illustrative Mathematics provides guidance to states, assessment consortia, testing companies, and curriculum developers by illustrating the range and types of mathematical work that students experience in a faithful implementation of the Common Core State Standards, and by publishing other tools that support implementation of the standards.

This site features illustrations for K-8 and high school CCSS math and includes CCSS practice standards.

The Mathematics Common Core Toolbox

Resources for Implementation

As districts look toward full, meaningful implementation of the Common Core State Standards for Mathematics, it is crucial to their success that they analyze their individual capacities and readiness for change, using coherent, research-based tools and protocols. At the same time, it is vitally important that teachers and other key educators have protocols and tools that will enable them to study and deeply understand the CCSSM and to put instructional programs into place that ensure that their teachers can teach and their students can learn the standards.

www.ccsstoolbox.com/
Edudemic - 300 Twitter Hashtags

Are you looking to figure out exactly which Twitter hashtag is the right one to follow? There’s no shortage of options and it can feel overwhelming. Sure, there’s the popular #edchat and #edtech hashtags most of us follow. But what about the more focused tags that you’re missing out on?

Twitter - @Edudemic

cs2n.org/competitions/AL2092012

Alice Symposium 2013

Alice is a 3D virtual worlds programming environment that makes it easy to create animations or games. Alice 2.3 is for middle schools or non-computer science disciplines in high school that want to use Alice for projects, and not a full year-long programming course. Alice 3.1 is a version for a high school programming course. More information on Alice can be found at alice.org

Examples of how Alice 2.3 can be used in many disciplines can be seen at the Duke Adventures in Alice Programming web site. www.cs.duke.edu/csed/alice/aliceInSchools/ See the tutorials (some are specifically projects) and the teacher lesson plans.

There will be Alice workshops (Alice 2.3, Alice 3.1) and related workshops on June 17-18, 2013 before the Symposium and also on June 20-21, 2013 after the Symposium.

More information coming...
The 3rd Alice Symposium will be held at Duke University, Durham, NC on June 19, 2013.

DEADLINES will be January/February 2013 for
Papers
Posters
Student Alice contest

The Third Alice Symposium will have several paper tracks including using Alice in middle school, using Alice in high school, and using Alice in Community College and University. New this time will be a poster session and teachers will be able to enter student worlds in an Alice contest.

Computer Science Competitions Using Alice

Create a trailer for your favorite book or use this opportunity to create a unique book report for class!

Most movie trailers highlight the characters and plot of a story while not giving away the ending. Even though the movie has a beginning, middle and end, the trailer itself also has a unique beginning, middle, and end.

You are asked to create a book trailer for a book you’ve read and then create a script, storyboard, and trailer that highlights the plot and character of the story while not giving away the ending.

1. Register for this competition
2. Create your Alice Presentation
3. Submit your Alice FILE to this page
4. Evaluate your peers’ presentations
5. Get your evaluations!

Software Required: Alice
Scholastic Study Jams - Math

Teach math and science concepts with content rich media provided by Scholastic, always a trusted source in education. Use as a resource for your interactive whiteboard!

Topics
Place Value, Order Whole Numbers, Integers, Number Lines, Estimate Whole Numbers and Expanded Notation.

Smarty Games
At Smartygames.com, we strive to provide the best free educational and fun games for children on the internet. Our mission is to help every child develop his/her passion for lifelong learning.

We have carefully selected interactive learning games that will help young children develop their creativity, visualization, problem-solving skills, math skills and the curiosity for knowledge that will help them to be successful with today’s elementary school curriculum.

Smartygames.com is produced by a dedicated and talented team of software programmers, engineers, educators, artists, designers, and translators who live in the United States, Europe and South America.

We thank you and your family for your interest in our website, We hope it helps you learn more about how Smartygames.com can make a difference in the lives of young children.

The Management Team

Energy Star Kids
The annual energy bill to run America’s primary and secondary schools is a staggering $6 billion — more than is spent on textbooks and computers combined.
The least efficient schools use three times more energy than the best energy performers. Top performing ENERGY STAR labeled schools cost forty cents per square foot less to operate than the average performers.
The Department of Energy offers excellent lesson plans and downloads for use in the classroom.
The mission of the National Energy Education Development Project’s (NEED) is to design and deliver objective, multi-sided energy education Programs.

Discovery - Explore the Blue
With Explore the Blue, you’ll find additional resources including Grades K-5 cross-curricular lesson plans for Science, Social Studies, Math, Language Arts, and Health/Physical Education, plus Grades 6-8 Earth and Life Science lesson plans. All plans are standards-aligned and feature videos and multimedia tools on conservation, aquatic habitats, the importance of boating and fishing to societies and economies - designed to seamlessly integrate with your current plans.
The three lessons presented in Field Investigations are designed to give your students structured experiences. They learn about the kinds of questions that guide field investigations, conduct a descriptive field investigation as well as comparative investigations. They are designed to help students gain the skills necessary to conduct field investigations, such as posing an investigation question, collecting, organizing and analyzing data, and writing conclusions.
Professional Opportunities

7th Annual Bloomington Robotics Club & Ivy Tech Community College VEX Robotics Tournament
Saturday, November 3, 2012, 8:00 am Registration and inspection, 9:30 am Announcements and inspections, 10:00 am Competition Begins, 3:00 pm Finals, 4:30 pm Awards. Where? Indiana Center for the Life Sciences, 501 North Profile Parkway, Bloomington, IN 47404. Admission, 12 non-perishable canned food items per school/organization Team Registration - Begins September 24, 2012, Each team must fill out a separate registration, Limited to 3 teams per school. See website for more information, specifics, grant application and contest rules. https://sites.google.com/site/bloomingtonroboticsclub/ If you have any questions, please call: Kirk Barnes, Professor, Dean of the School of Technology, Applied Science & Engineering Technology, Ivy Tech Community College - Bloomington, 200 Daniels Way, Bloomington, Indiana 47404, (812) 330-6050

Earth Discovery Day - Falls of the Ohio State Park - October 13, 2012
This new event will focus on the world beneath your feet. It coincides with Earth Science Awareness Week, with events across the nation. We are planning a variety of fun and educational activities for adults and children. Inside our museum will be children’s rock-craft activities. Listen to our fascinating geoscience speakers*, discover geology through a microscope with microfossils and microminerals. Learn how to photograph specimens (helpful if you want to get something identified by e-mail) and how to display them in your home or office. Pick up free brochures from many fossil parks across North America. Three universities will have manned tables with information about degrees in geology. Teachers can sign up and win a 50, 75 or 100 piece geology collection. Free rock and fossil identification – bring in your unknowns! Molly Miller, PhD, Vanderbilt University (Flourishing Life in Antarctica: When in the Past, Where Today?); Rebecca Freeman, PhD, University of Kentucky (Extinction and Shells on the Beach); Walt Gray, Indiana Geological Survey (Earthquakes in the Midwest); Dave Meyer, PhD, University of Cincinnati, (The Age of Crinoids in Kentucky); Steve Greb, PhD, Kentucky Geological Survey (Geological History of the Ohio Valley - Morning teacher’s workshop). Outside we will have our fossil and mineral dig piles, guided outer and Indiana shore fossil bed hikes. The Indiana Geological Survey will have their Quake Cottage - an earthquake simulator. Experience a temblor from 5.5 to 8.0 on the Richter scale. Participating Organizations: Falls of the Ohio Foundation, Kentucky Paleontological Society, Indiana Society for Paleontology, Mineral And Fossil Interest Club (MAFIC), Indiana Geological Survey, and Kentucky Geological Survey. www.fallsoftheohio.org/FallsFossilFestivalProgram.html

What PRISM Can Do For You!

- Easily find the perfect teaching and learning resources from our library of over 3,800.
- 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 PGPs 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.

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 and Common Core State Standards.