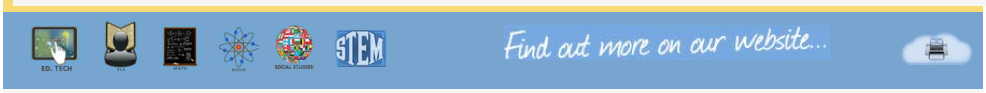
Download a complete list of Professional Development Trainings by clicking on an content icon below.



Seeking Passionate Math and English Language Arts Teachers

for the ADE Standards Work Groups

If you are interested in applying to be a

In This Issue

- *Teaching The Big Idea*
- *Hands-On Engineering!*
- *The 'M' in STEM!*
- *Presidential Youth Fitness Program*

Additional Resources

Family Engagement
Certification Requirements
Graduation Requirements
Assessment

member of a grade-level working group, please complete the application found at the Arizona Educator Engagement Opportunity webpage

Tech Tuesday Webinar Series

Tech Tuesday

learning forever
asu educate elevate inspire

Webinar Series In this interactive series, Ed Tech experts will cover topics such as Google Apps for teaching, interactive assessments, coding, online teaching resources and more! Tech Tuesdays is presented by ASU Learning Forever in partnership with Arizona Technology in Education Association. Visit the AzTEA site to learn more and become a member!

Jump To...

UPCOMING Trainings

Edu. Technology, English Language Arts, Science, Social Studies, STEM, Math, World and Native Languages

Check Out What's New!

Teaching The Big Idea

As we focus on the transition into three dimensional teaching, it is important to focus our teaching on the Big Ideas. What are the scientific ideas that we want students to know and be able to understand as they move through the progression of learning in science? How do these critical ideas translate into the storylines of science? Join us for a webinar on the Arizona Science Storylines and how we can use these storylines to help us teach the big ideas in science.

Webinar Series: Arizona's Science Storylines

Investigate how Arizona's Science Standard develops storylines that inform instruction and deepen student understanding in life science, physical science and earth science. Evaluate how the Big Ideas in science translate to the K-2 grade band and fit into the learning progression of science that spans Arizona's entire K-12 science standard

Hands-On Engineering!

CURIOSITY MACHINE

Hands-on engineering design challenges provide students with the opportunity to not only learn how something works, but why! Defining problems and designing solutions are engineering practices found in *A Framework for K-12 Science Education* that get students DOING science and engineering.

Curiositymachine.org has great design challenges from 14 categories that align well with the Arizona academic standards for science, math, and technology.

2016 NINTH CIRCUIT CIVICS CONTEST

2016 Ninth Circuit Civics Contest- 50 Years After The Miranda Decision

The theme of this student contest is the 50th Anniversary of the U.S. Supreme Court decision in Miranda v. Arizona. In that 1966 case, the court ruled that a person taken into police custody must be informed

EDUCATIONAL TECHNOLOGY

Digital Tools: Produce, Publish, Interact and Collaborate in Digital Writing

April 20, 2016

There are many digital tools that specifically address the ELA and Education Technology standards. Participants in this workshop will make use of multiple digital tools and integration strategies throughout the day that support students when producing and publishing their writing. In addition, participants will share and discuss their own strategies that support teacher integration of technology as a tool for effective instruction

ENGLISH LANGAUGE ARTS

Research Based Vocabulary Instruction for Grades 3-8

March 21, 2016

In this training, participants will learn the dynamics of vocabulary development in children and how to help students overcome the barriers to vocabulary acquisition. This session will include background on tiered words (common, academic, domain-specific), strategies on which words to highlight and teach to students, instruction on different approaches to word learning, training in a four step,

The 'M' in STEM!

STEMteachersPHX

What unifies science, technology, and engineering? Mathematics, of course! Facility with mathematical thinking is essential to student understanding of all STEM Fields. This event will focus upon mathematical activities and practices that support our students as they make connections between content areas. The experience will be at Hamilton High School in Chandler on April 2, 2016. 10:00am-1:00 pm. $10 in advance.

Click here for more information or to register.

Teacher Scholarships Available for Travel to Spain

Tia Tula Spanish School, in collaboration with the government of Spain is offering 10 scholarships for Spanish Teachers in the U.S. to travel and take part in a professional development program. It is a great opportunity to travel, meet other Spanish teachers, and find new resources for teaching Spanish.

Click here for more information or to register.

June 13 -18 2016 Salamanca Spain

Tune into the Need to Embrace Digital Citizenship

As more schools embrace policies such as BYOD (bring your own device) and 1:1 (one to one computing) the more vital it becomes to promote Digital citizenships to students inside and outside the classroom. Digital citizenship can be defined as appropriate, responsible behavior with how technology is used and it should be seen as an integral part of student learning and not as a separate subject. For more information on Digital citizenship visit ISTE's Essential elements of Digital citizenship as well as take a

of their constitutional rights against self-incrimination. Students can write an essay or produce a video in this contest. Cash prizes are awarded to the winners. The deadline is April 15, 2016. For contest details, **click here.**

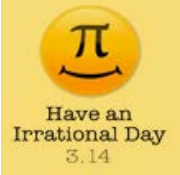
The National

INTERNATIONAL LITERACY ASSOCIATION

Conference 2016

Join thousands of education professionals at the ILA 2016 conference on July 9-11 in Boston. Keynote speakers will include Kwame Alexander and Laurie Halse Anderson. **Information on the conference can be found here.**

Pi Day is Almost Here!



If you are lucky enough to be teaching on March 14th, don't miss the best day ever to celebrate mathematics.

Pi day!!! **Learn about Pi** and check out the amazing activities that could happen in your classroom. You can also celebrate online with the **Exploratorium.** We also can't forget that it is also a birthday celebration. Albert Einstein would have been 137 this year. Celebrate **Einstein's** birthday with a piece of pi and a look at his life.

SOCIAL STUDIES

Project Citizen Institute: Inspiring Youth to Create Change

4/28-4/30- Free

Honorary Speaker: Mary Beth Tinker

We the People: Project Citizen is an interdisciplinary program for grades 5th-12th that focuses on state and local government. Youth become directly involved in public policy by examining community issues and proposing workable solutions to be implemented. The program

research based process for teaching vocabulary quickly and efficiently, and strategies to help students be able to help themselves when they encounter unfamiliar words in a text.

Participants will be eligible for 6.0 hours of professional development credit.

Inquiry, Discourse, and Debate

April 7th, 2016

We all know how important it is for students to read and write critically. Speaking and listening critically is equally important. This full-day training will discuss and explore research, ideas, and suggestions for moving students from the page and pen to conducting meaningful, academic inquiry, discussion, and debate that will add to their blossoming argument literacy and will increase confidence in their research and problem-solving abilities. Teachers should expect to learn how to move their students from passive observers to active participants who can explain or defend their positions based on effective research.

Participants will be eligible for 6.0 hours of professional development credit.

MATH

Developing Fluency with Addition and Subtraction in K-2

April 12th $50

Participants in this mathematics training will examine multiple ways to develop and support fluency with addition and subtraction in K-2nd grade. The progression of learning will be examined through the lens of developing conceptual understanding of young students. Mathematical practices, problem solving and the Arizona College and Career Ready Standards are embedded throughout this training. Participants will receive the book, *Mastering the Basic Math Facts in Addition and Subtraction* by Susan O'Connell & John SanGiovanni.

Promoting Productive Struggle in the Math Classroom grades 3-8

April 4th $55

look at Edutopia's resource roundup.

Presidential Youth FitnessProgram

Are you looking for a free way to improve physical education instruction at your school? The Presidential Youth Fitness Program provides a model for fitness education within a comprehensive, quality physical education program. The program provides resources and tools for physical educators to enhance their fitness education process.

This includes:

FITNESSGRAM® health-related fitness assessment Instructional strategies to promote student physical activity and fitness. Communication tools to help physical educators increase awareness about their work in the classroom Options to recognize fitness and physical activity achievements.

Make the move to become a PYFP School Today!

STEM

The "E" in STEM: Engineering Habits of Mind

April 19, 2016 – Free

Engineering is all around us and in practically everything we do and the best part… students are naturally born engineers! The National Research Council's Framework for K-12 Science Education states, "Any science education that focuses predominately on the detailed products of scientific labor – the facts of science – without developing an understanding of how those facts were established or that ignores the many important applications of science in the world misrepresents science and marginalizes the importance of engineering."

Please see Science and STEM PD flyer for additional dates and costs.

develops participatory citizenship skills, is an excellent model for performance assessment and an exemplary method for implementing project based learning. The primary goal of the program is to promote civic awareness and responsibility in youth. Facilitators are able to help strengthen participants' abilities to become better citizens and more involved in implementing change through public policy.

Participants in the We the People: Project Citizen Institute will receive:

- Three days of 'hands on' training where participants will experience the program from the youth's perspective
- First-hand experience at the Project Citizen State Showcase
- Free classroom set of textbooks
- Professional development hours
- Mentorship by experienced Project Citizen teachers
- Content knowledge provided by Mary Beth Tinker
- Breakfast & lunch
- Hotel accommodations (2 nights) for those traveling 100 miles or more one way

A 2016 Science, Technology, Engineering, Math and Social Studies (STEMSS) Institute

6/13-6/16 and 6/21-6/24- Free (they pay you a stipend)

This is a ten day institute at ASU SkySong sponsored by the Arizona Geographical Alliance. Click the above link for more information and application. Applications are due April 4th

WORLD AND NATIVE LANGUAGES

CALPER Summer Workshops

June 2016, Penn State University

The Center for Advanced Language Proficiency Education will be hosting several summer workshops at Penn State University through the month of June. Click the link above for more information on dates and cost.

Promoting Productive Struggle in the math classroom is a critical component in Arizona's College and Career Ready Standards. In this professional development we will examine the following and how they relate to promoting productive struggle:

Choose appropriate Tasks to promote reasoning and productive struggle .

The value of student discourse.

How teacher questioning can promote productive struggle.

Getting your students to ask great questions.

SCIENCE

Formative Assessment in the Science Classroom (Grades K-8)

May 12th – $70

What science ideas do your students bring to your classroom? What prior ideas do they retain even after instruction? This session will explore ways that formative assessment practices help inform teaching and learning in the science classroom. Participants will practice using science probes, formative assessment classroom techniques, and the Making Sense of Student Work Protocol, which can be used in PLCs or with teams of teachers to inform classroom teaching and student learning. Participants will receive a copy of the book, *Science Formative Assessment, 75 Practical Strategies for Linking Assessment, Instruction, and Learning* by Page Keeley.

THE KINDERGARTEN EXPERIENCE

UPCOMING EVENTS

Bringing math to Life in Kindergarten

April 22 & 23, 2016

8:00am -4:00pm

For more information click here