

What's going on in Arkansas STEM...

Arkansas STEM Coalition eNews - August 2018 Issue 26



## Head of The Class Bash

The Clinton Presidential Center's annual Head of the Class Bash will be held August 4, 2018, between 9 a.m. and 1 p.m at the Clinton Center. The Arkansas STEM Coalition is partnering to provide computers. Head of Class Bash provides students with free backpacks, required school supplies, immunizations, and other health screenings.



## 2018 Air Show STEM Fest

Beginning on October 26th, Little Rock Air Force Base will be hosting STEM Fest celebrating science, technology, engineering, and math for all ages. STEM Fest will be hosted in our central aircraft hangar and remain open during the Thunder Over the Rock Air and Space Show on October 27th-28th, 2018. The Air Show will feature thrilling aerial demonstrations, larger-than-life aerospace exhibits, and headlined by the USAF Thunderbirds demonstration team. The Air Show and STEM Fest are expected to draw crowds of over 250,000 people, making it the largest event in Arkansas. **Admission is Free.**

To plan a field trip or become an exhibitor please visit <https://www.thunderovertherock.com/stem/>

SEPTEMBER 2018						
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# Arkansas STEM Quarterly Meeting!

When: **Friday, September 21, 2018 from 11am to 1:30pm**

Where: University of Arkansas Pulaski Technical College Campus Center  
Grand Hall B, 3000 W Scenic Dr., North Little Rock, AR 72118

Registration in the Foyer outside Grand Hall A/B

Registration fee: \$25 if invoiced or payment is received before September 20, 2018, cost is \$30 on September at the door.

You may prepay with a credit card, by mailing a check or requesting an invoice.

**Details are available on the registration form <http://goo.gl/2MEBSR>.**



Innovative people make successful entrepreneurs and fuel innovative companies therefore The Innovative Technologies Center (ITC) is pleased to announce the formation of a Makerspace that will be available for industry, educational entities, organizations, and the community at large. A Makerspace fosters a creative environment and provides technology, fabrication equipment, and hands-on learning opportunities. The Makerspace will also be utilized to offer a variety of user requested classes.

Some equipment and other items have already been acquired, such as a CNC Router, Laser Cutter, more than a dozen 3D Printers, and a Virtual Reality system just to name a few. Our goal is to optimize our offerings to the community and in order to do that your feedback would be greatly appreciated.

Please take 6 – 10 minutes to complete the survey at the link below so that we may better serve you. Also be sure to share this link with anyone you know of that might be interested in tinkering, making projects or helping others learn new skills.

<https://www.surveymonkey.com/r/S62Z9NQ>

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# UNIVERSITY OF ARKANSAS

## Food Science Class Engagement Opportunity

Hello all,

My name is Rosa Buescher. I am the student relations coordinator for the Department of Food Science at University of Arkansas. My goal is to educate and increase our outreach of Food Science to junior high and high school students to better prepare them for a successful career after college.

Food Science is the applied discipline that uses chemistry, microbiology, engineering, business, nutrition and sensory science to create, sustain, preserve, manufacturing, package and distribute safe and nutritious foods to people worldwide. Department of Food Science is **ranked 2<sup>nd</sup> out of 53 Food Science programs in the nation**. Average starting salary for a Bachelor's degree is \$50,000. Our job placement rate is 85-90%. Our Bachelor's degree can also prepare you for many pre-professional career such as pre-med, pre-pharmacy, pre-law or pre-dental.

Department of Food Science at University of Arkansas is always looking for new ways to reach out to Arkansas students. With that said, we have two events this upcoming school year that we would love for you to be involved with.

If you are interested in having us visit your science classes at your school, please fill out the link below. We would be speaking to you about the course work, scholarships to University of Arkansas, and career opportunities in the field of Food Science.

<http://bit.ly/2mouoG0>

If you are interested in a tour of our department to see all the research that we do here, please fill out the link below. We are available for tours almost all year round, but we have special sessions the week of October 8-12 in celebration of

our 50<sup>th</sup> anniversary. We also do tours for kids in grade school as well.

<http://bit.ly/2Nlctvr>

Feel free to share this e-mail with any teacher or counselor who might be interested in this opportunity for their students. If you have additional ideas or questions, please do not hesitate to reach out to me at [rosab@uark.edu](mailto:rosab@uark.edu). I look forward in hearing from you soon!

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Sign up for the 2019 Real World Design Challenge is now open! Teams that register will get notice of all releases of this years challenge as they come out. They will also be notified of all deadlines and any new resources available for the challenge. The Challenge Statement has been released!

To register a team click [here](#).

For more info click [here](#).

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The Congressional App Challenge is a nationwide event that allows students to compete with each other by creating an exhibiting their software application for mobile, tablet, or computer devices of their choice. This competition is designed to engage student creativity and encourage their participation the STEM fields.

Eligible participants can register and submit a YouTube or VIMEO video demo explaining their application and what they learned through the competition at <https://www.congressionalappchallenge.us/>. Students can begin signing up and submitting apps on June 4. The deadline for this year's challenge

is October 15. The winning student's application will be featured on the United States House of Representatives' website, as well as on display in a United States Capitol exhibit.

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## Lab Supplies and Posters

Linda Williams has lab supplies and scientific posters for classrooms that need them. Her garage is filling up so she really would like these things to get into the hands of teachers who could use them

Please Contact [LDWilliams@uams.edu](mailto:LDWilliams@uams.edu)

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### Upcoming Events

**August 1-3** - [UA Fayetteville STEM Camp](#)

**August 2** - [ACT Aspire Grades 6-8](#)

**August 2** - [Teaching Free Enterprise in Arkansas](#)

**August 3** - [Economics and The Environment](#)

**September 21** - [STEM Quarterly Meeting](#)

**September 27** - [Arkansas Tech University STEM Fair](#)

**September 27** - [Arkansas Association of Mathematics Leaders](#)

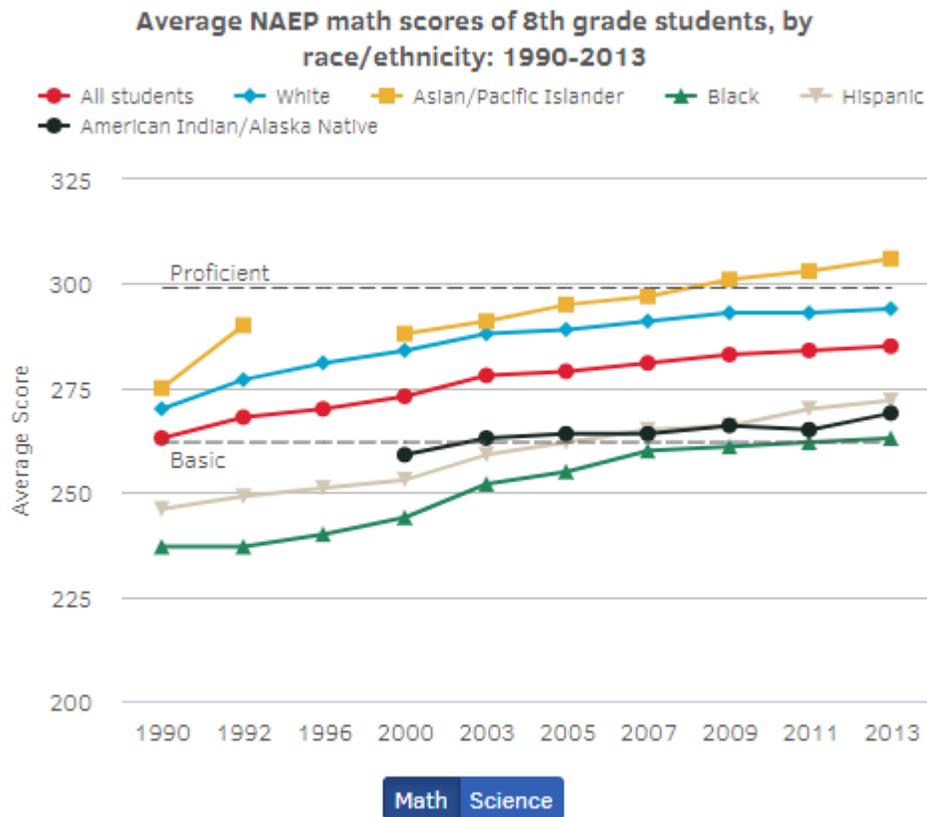
**September 28** - [2018 Arkansas Council of Teacher of Mathematics State Conference](#)

**September 29** - [Teaching The Great Recession](#)

**October 18-20** - [2018 SSMA Conference](#)

**October 26 - 28** - [STEM Fest](#)

If we are missing your event, please send the information including a contact person to



**Notes:**

NAEP = National Assessment of Educational Progress (The Nation's Report Card)

## University of Arkansas STEM Center Focus

The **Center for Mathematics and Science Education (CMASE)** – a University of Arkansas K-16 education outreach facility within the College of Education and Health Professions – works in conjunction with the Arkansas Department of Higher Education as part of a network of twelve mathematics and science centers on university and college campuses around Arkansas. The main objectives of the center are to:

1. Provide science, mathematics and technology professional development for K-16 pre-service and in-service teachers;
2. Assist in statewide K-16 education initiatives;

3. Coordinate regionally beneficial grant-funded programs among universities and colleges for K-16 education;
4. Provide science, mathematics and technology educational materials, resources, and information to the K-16 community; and
5. Link common K-16 education allies throughout the state.

University Day, Science/Engineering Fairs, Springfest, and various K-16 teacher and student programs are conducted through the center. Day-to-day educational outreach information is sent to local, regional, and statewide constituencies through the center's website and various email listservs. The Center for Mathematics and Science Education is a host site for the federally sponsored Eisenhower National Clearinghouse and the Southwest Educational Development Laboratory Consortium. The center also serves as the Arkansas National Aeronautics and Space Administration Educator Resource Center, responsible for warehousing and disseminating NASA materials and providing regular updates on NASA programs and materials to the state.

Web pages specifically designed to provide a wealth of material resources and information available for public, private and home-school educators across the state can be accessed at the website.

For more info on the University of Arkansas' STEM Center, click the logo below.



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