

Arizona STEM Adventure 2017

(NOTE: THIS IS A PREVIEW ONLY- FILL OUT AND SUBMIT APPLICATION ONLINE)



General Information

1. Teacher Information

- Teacher Name _____
 - Teacher Email Address _____
 - Teacher Phone Number _____
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2. School Information

- School Name _____
 - District Name _____
 - School Address _____
 - Address 2 _____
 - City _____
 - State _____
 - Postal code _____
 - School Email Address _____
 - School Phone Number _____
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3. Title I School?

- Yes, the percent of Title I is:

 - No
-

4. About Your Class

- Grade Level _____
- Total Number of Students _____
- Number of Girls _____
- Number of Under-Represented Minority (URM) Students

Logistics

5. How certain are you that you will receive permission for your class to attend from your school administration and from your district? Please Note: Our event will be held at Pima Community College Northwest (at Ina and Shannon).

6. Can you provide your own round-trip transportation for your class this year? Buses (vs. personal car pools) are preferred for large groups.

- Yes, Comments (if any): _____
- No, Comments (if any): _____

Will your students be able to arrive between 8:30 and 9:00 AM and stay at the event until at least 12:30 PM?

- Yes
 - No, please describe why (i.e. your buses need to be back before 12:30pm to take students home) _____
-

I am able to provide a 1:8 adult to student ratio for supervision for my students while they are visiting Arizona STEM Adventure. (NOTE: This excludes yourself as you will be attending professional development during some of the event time.)

I Agree

I am aware that my students or my school should bring a sack lunch to the event. There will be an area for them to sit and eat their lunch onsite. There are vending machines available to purchase food or drink onsite.

I Agree

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During and After the Event

Teachers bringing their students to Arizona STEM Adventure will participate in two hours of STEM professional development. This professional development will focus on best practices for engaging your students in research, science and engineering projects for the Southern Arizona Research, Science and Engineering Fair in the spring. Differentiation for teachers who have participated in the past and those who are new to Southern Arizona Research, Science and Engineering Foundation (SARSEF) will be provided. Data collection equipment will be provided to all teachers who attend to help open up research options for students.

NOTE: Teachers will receive a certificate from the Pima County Superintendents' Office upon completion of the STEM Adventure Teacher Personal Development session.

Please check each box that you agree to:

- I understand that if selected to bring students, I will be attending professional development from 9:45 am to 12:00 PM during Arizona STEM Adventure.
 - I agree to complete a quick, electronic follow-up survey about Arizona STEM Adventure and the professional development provided.
-

What do you need the professional development to focus on so you feel more prepared to have students complete Science, Technology, Engineering and Math (STEM) Research projects?
What are you most interested in learning during the professional development?

What equipment for collecting data and doing STEM research projects is on your wish list?
(Examples could include meter sticks, scissors, microscopes, etc. Think big and small!)

One of the purposes of Arizona STEM Adventure is to stimulate student thinking about projects for SARSEF.

I am aware that it is an expectation to do both of the following:
(Please check all that apply)

- Schedule SARSEF to come to your class for a free, educational outreach visit to talk about how to do a research project

- Help your students complete a research project to either enter at your school fair or at SARSEF

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Thoughtful Responses

Answers are scored based on the *thoroughness* of responses. Suggested length of at least 5-6 sentences recommended. Limit of 1000 characters each.



How do you currently encourage and support STEM in your classroom?



What do you hope the students in your class will get out of Arizona STEM Adventure?



How will you continue your students' **long term** excitement about STEM after they have attended Arizona STEM Adventure?

If you have attended the Arizona STEM Adventure in the past, please describe why you should be selected to attend again this year.

I have attended in the past and I would like to attend again because:

I have not attended in the past

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Data Collection

As role models for students, we are always measuring and collecting data. The following questions are for our data collection purposes only. **Your answers will not influence your chances of selection in any way.**

Has your school ever attended a previous Arizona STEM Adventure or an event similar to this called Math, Science, Technology FunFest (MSTFF)?

- Yes
 - No
-



Have you ever had your students complete a research (science) project prior to this year?

- Yes
 - No
-

Have any of your students ever made it to SARSEF (or a similar competition) in past years?

- Yes
 - No
-

On a scale of 1 to 10, how comfortable are you with:

Teaching science at your current grade level?	
Teaching students how to do science and engineering research projects?	

How many years have you been teaching?

Did you have either a STEM major or minor when in college?

Yes, it was:

No

End of Block
