



promoting equity and justice in education

Welcome to the **4th Annual Jacksonville Science Festival**
Presented by The Foundation Academy

2016 Host Sites:

University of North Florida – Thursday & Friday, February 25th & 26th
Friendship Fountain Park / MOSH – Saturday, February 27th

Our Mission

To serve as a vehicle for educational equity & justice for K-12 students by providing an annual science festival using strategic collaboration with teachers, experts in STEAM fields, mentors & local businesses.

Jacksonville Science Festival is serving Jacksonville & the surrounding regions.

Please review the attachments, save the dates & make arrangements to give your students the opportunity to participate in this city wide STEAM event.

Enclosures:

1. Event Overview
2. How To Get Involved, Timeline & Host Site Information
3. Booth Information including Rubric
4. Student Teams & Expert Information
5. Form of Intent for Booth Participation & Chalk Walk
6. School/Group Project Booth Participation Form
7. School/Group Visitor Registration (Thursday & Friday Feb 25th & 26th - field trips)



Dear Participant,

With the support of the City of Jacksonville, Duval County Public Schools, many wonderful professors in local colleges & universities, a number of state park affiliates & industry experts, local businesses, & educational organizations; Jacksonville students & educators have a unique opportunity to demonstrate their S.T.E.A.M. – Science. Technology. Engineering. Arts. Mathematics – talents in the upcoming **4th Annual Jacksonville Science Festival (JSF), February 25-27, 2016**. It is with great excitement that I invite your students, colleagues, preservation group, or organization to participate in this exciting event!

City-wide science festivals can be found in many other major cities & primarily differ from science fairs in that they are **community** based & draw **community** involvement to increase **community** engagement & awareness in science related fields. Our festival is one of only a few that encompasses the arts with the well-known STEM elements making the festival focus one that is STEAM driven.

JSF differs again from other festivals because the majority of exhibits are **student-developed/student-led**. The STUDENTS are who shine & are highlighted. K-12 students in our city partner with industry experts, local businesses, or field-related college students to brainstorm, research, develop & present an interactive exhibit to festival-goers at the designated festival locations.

I encourage you to review the enclosed documents & plan to participate as booth exhibitors or field trip attendees at the **4th Annual Jacksonville Science Festival on February 25th, 26th or 27th of 2016** which will be held at the **University of North Florida's Coxwell Amphitheater on Thursday & Friday the 25th & 26th** with limited space & Saturday the **27th at MOSH/Friendship Foundation Park**. Please contact me as soon as possible to join other educators & community supporters of science, arts & technology innovation whose enthusiasm & commitment will continue to make this student centered festival a great tradition for our city.

Sincerely,

Nadia Hionides
Senior Event Coordinator
2016 4th Annual Jacksonville Science Festival
nhionides@foundationacademy.com

Event Overview

Who

As booth participants – All students, teachers, experts, organizations, local businesses & community partners.

As attendees – All of the Jacksonville community & surrounding regions.

What

Scores of activities, displays & presentations related to STEAM – Science. Technology. Engineering. Arts. Mathematics – food, & entertainment highlighting local artists. The booth participants, mainly K-12 students, collaborate with local subject matter experts, whom they seek out, to create the presentation that will engage festival goers.

When & Where

Thursday & Friday February 25th & 26th, 2016 at the Cox Amphitheatre on the campus of UNF – University of North Florida

Saturday February 27th, 2016 at MOSH – Museum of Science & History & Friendship Fountain Park

How

Presented & sponsored by The Foundation Academy, hosted & sponsored in **2016** by the UNF & MOSH in Jacksonville, sponsored by many local for & not for profit businesses, supported & made possible by participation of private, public, charter, & homeschool groups, local colleges & universities, organizations & government agencies.

Why

To serve as a vehicle for educational equity & justice for K-12 students by providing an annual science festival using strategic collaboration with teachers, experts in STEAM fields, mentors & local businesses.

Benefits

- Face to face contact with industry professionals
- Participation in Jacksonville Science Festival lights a spark of encouragement toward collegiate coursework &/or careers in innovative jobs that may not have been considered prior to STEAM project based learning activities used to create a booth for the festival.
- Opportunity to win monetary prizes totaling **\$1000.00** for K-12 booth projects based on popular vote - \$500 for High School, \$300 for Middle School, \$200 for Elementary School students.
- A college scholarship of **\$1000.00** awarded to one High School participant to a school of their choice.
- Fulfills Duval County Public School STEAM initiative Field Trip opportunities for teachers and students!!!
- SO MUCH FUN!!!

How to Get Involved, Timeline & Host Site Information

There are 8 ways to get involved

1. **Work with a team** of students & an expert (see #3) & create a booth to feature your area of research in a STEAM related subject & present an interactive experience for your booth visitors or as a Chalk Walk Artist or team of artists.
2. **Perform** through music, dance, drama, Chalk Walk, spoken word in a way that is associated with STEAM.
3. **Be an Expert** by sharing your expertise with students K-12 in the Jacksonville area that have chosen to create a booth presentation in your related subject. Your name or organization name will be displayed at the booth. Be certain to receive proper clearance when working with students.
4. **Bring your students** on a field trip or, if you are a Title 1 K-5th grade school, by using the DCPS STEAM Cultural Passport – [DCPS STEAM Cultural Passport](#). The STEAM exhibits will encourage students as they hear from other students creators their own age. They will interact with experts and mentors in STEAM fields who can share how exciting working in these fields is.
5. **Vendor Booth's** fuel the excitement of the festival by providing a place for attendees to grab a bite to eat, purchase items & meet local community organizations.
6. **Sponsor/Contribute** Your monetary gifts make this festival possible!!!
7. **STEAMTalks – RETURNING to JSF THIS YEAR...share what you know through STEAMTalks.** Are you an educator using STEAM in your classroom? Are you familiar with TEDTalks? We invite you to present at the Jacksonville Science Festival.
8. **Volunteer** your time in a variety of ways including check in, tour guides, & in many general ways. Please visit www.JacksonvilleScienceFestival.org to register.

Event Timeline including Workshops

Oct 7, 2015	Orientation & Networking Catered Event
Nov 4, 2015	Workshop 1 – The Foundation Academy (TFA) campus – What Are Essential Questions?
Nov 18, 2015	Workshop 2 – MOSH campus – What Is a Mind Map?
Nov 20, 2015	Deadline for Intent Form to be a booth presenter
Dec 9, 2015	Workshop 3 – MOSH campus – Utilizing Project Inquiry Based Learning for a successful JSF booth
Jan 15, 2016	Deadline for final booth participation registration
Feb 5, 2016	Deadline to sign up for Chalk Walk
Feb 25-26, 2016	Jacksonville Science Festival at Cox Amphitheatre at UNF
Feb 27, 2016	Jacksonville Science Festival at MOSH & Friendship Fountain Park
TBD	Celebration & fundraiser at Casa Marina

4th Annual Jacksonville Science Festival 2016 Host Site specifics

- Thursday & Friday, February 25th & 26th – Cox Amphitheatre on the campus of UNF
- Saturday, February 27th – Friendship Fountain Park / MOSH
- Teams of no more than 6 students & 2 adults for booth presentation
- Limited electrical outlets will be available for booth presenters – first come first serve basis
- Schedule a fieldtrip for your school/class at www.JacksonvilleScienceFestival.org or by filling out the Letter of Intent in this packet. There is high interest from schools to visit the festival on the special Thursday & Friday dates at UNF's Cox Amphitheatre. Please know we will do our best to accommodate your #1 choice of time to visit. The choices are 9:00am, 9:30am, 10:00am or 10:30am.
- Guides will greet the school groups & prepare visitors for their tour

Booth Information

General Information

Booth Criteria to Consider

- **Science-based** – Clearly grounded in the scientific habits of the mind – problem solving, reasoning, communication, & making connections.
- **Doable** – Deliverable at a high quality within the constraints of time & resources available, making sure enough interactives are available for attendees.
- **Accessible** – Engaging, inclusive, understandable to the audience.
- **Appropriate** – Jacksonville Science Festival is a family-friendly celebration. All materials & activities must be appropriate & safe for a family audience.
- **WOW factor!** – Fun, exciting, cool, clever, experiential, & conveying a sense of awe & wonder that is at the heart of scientific discovery & achievement.
- **A team** of students connected to an “expert”/mentor/teacher to develop, display & present a well-researched, exciting STEAM related inter-active booth. The science behind the activity &/or product is an important purpose for participating in the Jacksonville Science Festival.
- **Equitable practice** must be followed by all teams.
- **A rotating schedule** for all booth team members must be written & carried out allowing each presenter breaks to enjoy the festival.

Booths should include

- Engaging activities
- Interactive opportunities
- Integrated learning
- WOW factor!!!
- Open to all ages
- Eye-catching
- Well researched
- Art or music as applicable
- Games that lead to STEAM understanding
- Attention to rubric guidelines for scholarship

S.T.E.A.M. Evaluator Booth Project Rubric

Participation in the Jacksonville Science Festival must be related to
Science Technology Engineering Arts and Math
 This rubric is used to determine college scholarship awards.

Name of Booth/Group: _____

Name of outstanding student: _____

5-Strongly Agree with statement

1-Strongly Disagree with Statement

Booth Presentation

	Description	Place a 5,4,3,2 or 1 in this box
Efficient	Can handle three to five users at a time	
High Energy Team	Well-staffed, and individuals are well-informed	
Eye-catching	Draws the audience to the booth	
Engaging to Children and Adults	Attention is kept	
Creative		

Product

	Description	Place a 5,4,3,2 or 1 in this box
Hands on activities that teach something		
Cost Effective Materials		
Engaging to Children and Adults		
Student Generated with Community Involvement		
User Friendly	Doable to most people	
Imagination	Conceivable but not necessarily real, i.e. going back in time	

Scientific Inquiry

	Description	Place a 5,4,3,2 or 1 in this box
Research Based		
Innovative		
Addressing a Driving Question		

Notes: Driving Question – Fuels all components of the project being evaluated for the Jacksonville Science Festival.

Student Teams & Expert Information

Sample scenario on how students & experts will work together

A team of 6 students have signed up to develop a science festival booth/activity. It is an art installation piece related to the science of engineering. The expert meets with the team based on the agreed upon times & dates timeline. Between meetings the student team is at work researching, designing, & practicing the related activity in preparation for the next scheduled meeting. Based on the timeline the last meeting takes place a day or two before the festival. The booth is prepared & the activity is executed as designed & developed by the student team & expert.

How to find an expert

As a student-driven festival we encourage our student participants to search for & contact the appropriate expert of their choice. This action gives them real-life experience & confidence when they are faced with the real world networking environment. Here are some tips to help your students through the process:

- Stay updated by visiting the Jacksonville Science Festival website's list of experts on the EXPERT tab at www.JacksonvilleScienceFestival.org
- Contact professors from local colleges & universities who work in the department or courses related to your booth idea. College students could also be interested.
- Contact local businesses, environmental protection groups & professionals in your researched field.
- All experts should be cleared by school administrators/lead facilitator prior to students interacting with them.



**Booth Presentation – Intent to Participate Form
Preliminary Deadline – November 20, 2015**

All teams that intend to participate are requested to fill out this intent form in order to hold a place for your booth. This information will enable Jacksonville Science Festival to have a preliminary overall picture of the variety of STEAM booths that will be showcased.

Maximum team members per booth are 6 students & 2 facilitators.

Name of Organization/School: _____

Name & Title of Applicant: _____

Field of Interest: _____

E-mail Address: _____

Phone #: _____

Mailing Address: _____

Please fill out Intent to Participate Form online or Fax/Scan & E-mail/Mail this form to:

The Jacksonville Science Festival

3675 San Pablo Road South

Jacksonville, FL 32224

Phone: 904.493.3535 Fax: 904.821.1247 E-mail: outreach@jacksonvillesciencefestival.org



**School/Group STEAM Project Booth Participation Form
Hard Deadline – January 15, 2016**

A team of students connected to an expert, a local business leader, developer, teacher, professor, or other member of the community who will work with the students to develop, display, & provide a fun, exciting, & well researched science activity project.

Set up & break down is a group responsibility. Display areas must be safe, attractive & inviting. Be aware that limited electrical hook ups are available. You must be sure you have enough material for all participants.

Teams are requested to participate in all 3 days of the event, February 25 & 26, at UNF – February 27 @ Friendship Fountain Park.

Name of Organization/School: _____

Name & Title of Applicant: _____

E-mail Address: _____

Phone #: _____ Fax #: _____

Mailing Address: _____

*Names & Numbers of participants in your group (Max # is 6 students & 2 facilitators per booth):

*Describe your science project activity:

I agree to the above terms for use of vendor space at the Jacksonville Science Festival. ***Fee of \$100 will be applied if Jacksonville Science Festival is providing table & chairs. Teams must provide signage.

Signed: _____ Date: _____

Please fill out Booth Participation Form online or Fax/Scan & E-mail/Mail this form to:

The Jacksonville Science Festival

3675 San Pablo Road South

Jacksonville, FL 32224

Phone: 904.493.3535 Fax: 904.821.1247 E-mail: outreach@jacksonvillesciencefestival.org

*Please attach a separate sheet to this application if you need additional space for description.

**3675 San Pablo Road South, Jacksonville, FL 32224 * JacksonvilleScienceFestival.Org * 904.493.3535
outreach@jacksonvillesciencefestival.org**



Visitor Registration/ Field Trip Form for all school groups

Please fill this out if your class/organization will be visiting the Jacksonville Science Festival on February 25 or 26, 2016 at University of North Florida

Name of school or organization: _____

Contact Name _____

E-mail: _____

Number of people attending: _____

Will you be having lunch onsite at University of North Florida?: _____

Number of Buses: _____

*Which day will you be attending?: Thursday _____ Friday _____

*** There is high interest from schools to visit the festival on the special Thursday & Friday dates at UNF's Cox Amphitheatre. Please know we will do our best to accommodate your #1 choice of time to visit. The choices are 9:00am, 9:30am, 10:00am or 10:30am.**

Please fill out Field Trip Form online or Fax/Scan & E-mail/Mail this form to:

The Jacksonville Science Festival

3675 San Pablo Road South

Jacksonville, FL 32224

Phone: 904.493.3535 Fax: 904.821.1247 E-mail: outreach@jacksonvillesciencefestival.org



Chalk Walk

DIRECTIONS AND APPLICATION

The Chalk Walk Fest of the Jacksonville Science Festival is designed for experiencing the **ART** in the STEAM - Science. Technology. Engineering. **Arts.** Math - world.

Suggested plan: Choose an artist or develop an art piece that can be viewed through the perspective of a STEAM area. Choose the work & create a model using a grid for replication. Be prepared to expand the grid by proportion on to the space provided at University of North Florida &/or Friendship Fountain Park. Please include your mathematical equation used in the production. As you can see this is a mathematical problem as well as a connection to science technology, engineering & math. What an awesome opportunity for a school art class to challenge themselves & try something new!!!

Process:

- Sign up (by completing the application below) for a designated Chalk Walk Fest space at UNF &/or Friendship Fountain Park - ***Please note: Cash Prizes will only be awarded on Saturday @ Friendship Fountain Park.***
- One space per group or artist. Enter as a visiting artist or as artist team.
- Selections from STEAM related art to be recreated from a model picture.
- You may choose from an original STEAM related art piece or a copy of a STEAM related art piece.
- Provide your own chalk.
- Visitor (non-registered participants) sidewalk chalk & space will be available to creative fun.

CHALK WALK BOOTH APPLICATION

NAME	PHONE
ADDRESS	
EMAIL	
TEAM MEMBERS:	