

December 2015

Get Involved!

- Seminole County Public Schools need judges for the **Regional Science Fair** on February 13th
- **Indian Trails Middle School** is seeking participants to bring real world experiences & applications of STEM careers to the classrooms on January 15th
- Maitland Middle School will be hosting a **STEAM Career Awareness Day** and needs STEAM professionals on February 24th
- Like us on Facebook @ **www.facebook.com/CFSTEM**

CF STEM in 2015

It's been a busy and productive year for the Council!

Our 2015 highlights include:

- Quarterly meetings featuring education programs and industry career opportunities in game development, healthcare, the theme park industry and manufacturing
- Most successful DiSTI Duffer ever raising \$14,000 to support local STEM education organizations
- Provided volunteers for numerous science fairs, teach-ins, and STEM nights
- Raised support for and hosted the UCF Robo Knights FIRST Robotics team
- Organization of our Parents' Advisory Committee
- At I/ITSEC, we conducted a project-based learning workshop for 75 teachers, managed the STEM Pavilion, organized the Orange County STEM proclamation, and presented a paper

And much more! 2016 will be even busier and better. We look forward to your engagement with us to ***Build A Brighter Future Today!***

I/ITSEC STEM Pavilion Recap

It was a VERY busy year at the STEM Pavilion! STEM was very visible throughout I/ITSEC this year and the traffic for all the Pavilion exhibitors was tremendous. The exhibitors represented a wide range of STEM education programs and organizations (see the list below). Plans are already being laid for next 2016.



Special Thanks to all the Participants in the STEM Pavilion Booth:

American Society of Civil Engineers Education Committee; Central Florida STEM Education Council; Department of Defense STEM Development Program Office (DoD STEM); E2i Creative Studio/UCF Institute for Simulation & Training; FIRST-U.S. Foundation for Inspiration & Recognition of Science & Technology; INDIENOM-COM; Melrose Center at the Orange County Library System; Orange County Tech Centers; NAF-Central Florida NAF Academies; National Center for Simulation-STEM; NAWCTSD and U.S. Naval Academy; nCASE-DimensionU and Materials World Modules; Orange County Public Schools; Orlando Science Center; Project Lead the Way; Robotics Club at UCF; SEAPERCH; Tech Sassy; UCF Center for Initiatives in STEM (iSTEM); WUCF; CyberPatriot, the National Youth Cyber Education Program by the Air Force Association.

STEM Connections

December 2015 *(continued)*

I/ITSEC Teacher Workshop



The Central Florida STEM Education Council and I/ITSEC presented the "I/ITSEC Central Florida Educator's Day" on Wednesday, December 2nd, which highlighted the STEM Project-Based Learning (PBL) Workshop for teachers.

This workshop, provided by a collaborative team of expert PBL STEM instructors, engages teachers in their own hands-on learning by letting them try new lesson ideas for their classrooms, engaging them in dialogue with both PBL and industry professionals, while providing a set of relevant and accessible resources for their use throughout the year.

I/ITSEC STEM Proclamation

Orange County Mayor Teresa Jacobs is a strong advocate for Orlando's Modeling, Simulation and Training epicenter and has issued a proclamation during the week of I/ITSEC recognizing the week as STEM week.



Although Jacobs was unable to attend this year's conference, she was represented by Commissioner Victoria Siplin (District 6), who read and presented the 2015 STEM Proclamation to Team Orlando's

Capt. Wes Naylor, Naval Support Activity and Air Warfare Center Training Systems Division Commander.

Naylor said that he walked to the middle of the I/ITSEC floor and was overwhelmed at the tremendous opportunities for the workforce, and how the interest and passion for STEM-related careers are seeded, then developed by our schools.

- Information provided by Team Orlando

Mark you Calendar!
Next CF STEM Meeting
02.05.2016

STEM in the Community

- New [Florida Tech Bill](#) may boost local computer engineering talent
- Why a [Holistic Approach](#) to STEM Education matters
- Students [program robots](#) at local simulation conference
- UCF Today: Toward a more [scientifically literate](#) public
- FIRST youth STEM education [Meet & Greet](#) at the Orlando Science Center
- Maitland couple honored as ["Math Heroes"](#)

GET INVOLVED with CF STEM!

Submit your **2016 Membership Application** online at:

[www.centralfloridastem.org/
getinvolved/joinCFSTEM](http://www.centralfloridastem.org/getinvolved/joinCFSTEM)

Because you can make a difference
and help us

Build A Brighter Future Today!