

Igniting Imaginations, Fueling Discovery, Sparking Success

ISPACE CAMPS AT NKU 2009

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COMING EVENTS:

ISPACE CAMPS
AT SCARLET OAKS
JULY 13-31
WWW.ISPACESCIENCE.ORG

SCOPEOUT
AT THE CINCINNATI
OBSERVATORY CENTER
SEPTEMBER 13

FLL AND FTC
REGISTRATION IS OPEN.
GO TO WWW.USFIRST.ORG

BIGGEST CROWD EVER HAS A BLAST AT ISPACE SPACE DAY

If you missed Space Day this year, you will want to be sure it's on your calendar for next year.

People began arriving well ahead of the 11 a.m. start time and then continued streaming in throughout the day. With so much to do and so much to see, you really needed to be there the entire time to fit it all in.

Thank you to all our exhibitors and our sponsors, Great Oaks, Ohio Space Grant Consortium, Southwest Center for Excellence of Science and Mathematics Education who helped make Space Day possible for nearly 2000 attendees.



WATCH THIS SPACE

Renovations are coming along and it is likely that the next issue of the iSPACE Messenger will announce the finished product. We expect a move-in date by early September.

Besides the physical work that is being completed, the iSPACE team is hard at work developing programs that will be offered in the new center.

- Look for some green technology workshops as well as expanded robotics and rocketry programs.
- Public, private and homeschool students will find exciting hands-on science programs that address state standards in the OKI region.
- Pipsqueak Science will introduce preschoolers and the adult of their choice to engaging activities that will inspire even the youngest scientist.
- Scouts can come and earn badges or just do fun science stuff.
- Exciting careers in science, technology, engineering and mathematics will be introduced to students who



Making progress



never knew such career opportunities existed.

There will be something for everyone so continue to watch this space for information on our opening. You can be among the first to register for some of our new and exciting programs.

THANK YOU CINCINNATI OBSERVATORY CENTER

iSPACE is pleased to announce that we are a recipient of a Galileo telescope from the Cincinnati Observatory Center which we will use to help promote astronomy education.

The Observatory made 40 telescopes available to deserving students, teachers, and community leaders across Greater Cincinnati in honor the 400th Anniversary of Galileo's scientific use of the telescope and the 40th Anniversary of the Apollo 11 Moon landing.

Winners were judged on a balance of academic merit and intended use of the telescope. The iSPACE staff will be trained on the use of the telescope from local experts and learn how to give public programs with their telescope so that we can provide public programs in the iSPACE community.

For information on the Cincinnati Observatory Center, go to www.cincinnatiobservatory.org.

THE BEST OF THE BEST IN FLL AND FTC

ISPACE IS PROUD TO ANNOUNCE THE SUCCESS OF OUR ROBOTICS TEAMS WHO ADVANCED TO NATIONAL AND INTERNATIONAL COMPETITION.

Innovator Robotics, our FTC team from Dayton, OH qualified for the FTC International Championship tournament at the World Festival in Atlanta, GA in April. The team advanced all the way to the semifinals and had the third highest robot score of all teams worldwide.



Bubble Gum, our Northern Kentucky team from Campbell County Middle School who won the iSPACE NKY FLL Robotics tournament and were the KY State Champs also went to Atlanta to compete against teams from around the world. They brought home a third place Innovative Solution Award.

Congratulations to all three outstanding teams!

In addition, the **Fossil Fuel Fighters**, a team made up of a group of friends from Loveland and beyond, who were the iSPACE Cincinnati Regional FLL champs, advanced to the United States Open FLL Championship and were awarded the 1st place Quality Research Trophy.



iSPACE is an OKI regional non-profit educational organization that offers interactive, hands-on, minds-on inquiry based programs in science, technology, engineering and mathematics.

iSPACE inspires learning, ignites imaginations and is a catalyst for new futures through interactive space programs and career exploration.

We offer class visits, camps, teacher workshops, after school programs and special science events throughout the year.

Meet Commanders Ellen and Sylvia, two V³ - Very Valuable Volunteers

Schools Outand teachers have the summer off!

Most teachers will dispute that statement. This is especially true with the educators that comprise the iSPACE Staff/V3 (Very Valuable Volunteer) at iSPACE. Not only do they give up part of their summer to work at our camps, they also give up part of their winter breaks, spring breaks and weekends throughout the year to volunteer!

Meet two of our Staff/Volunteers, Sylvia St. Cyr (Reading Hilltop - OH) and Ellen Graydon (Twenhofel Middle School - KY). Both women are extremely committed to providing a rewarding experience for the kids they work and volunteer with. Ellen has been known to make crazy robots, high-flying paper rockets, and some "out of this world" BBQ for FLL coaches' meetings. Ellen is never satisfied with the fantastic job that she

does but continually strives to improve her instructional skills and activities so the students have the best experience possible. Kids at camp love her and so do we! Thanks Commander Ellen, for all you do.

"Commander S," as Sylvia St. Cyr is lovingly called by her camp cadets, possesses the same qualities as Ellen and is constantly bringing fresh ideas to her lessons. She has also been a key leader with our all-girl Student Ambassador group. Sylvia is always ready to take on new challenges as evidenced by the fact that she will be at our camps in June and July teaching the brand new WeDo Robotics system that was recently released by LEGO Education. WeDo appreciate you Commander S!

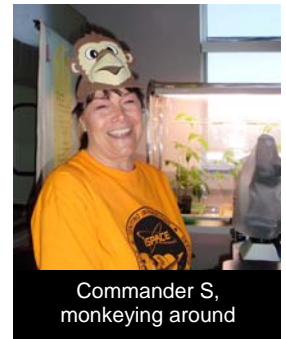
Interesting fact: Both women became connected with iSPACE as FLL coaches in their respective states. We notice that good people tend to stick around and quickly find themselves a much loved and

respected member of the ever growing iSPACE family.

Ellen and Sylvia are only two of the iSPACE camp educators often spotted at various events throughout the year, such as FIRST robotics competitions, Space Day and more! iSPACE is fortunate to have such a great group of folks that work for us as needed and are also willing to volunteer many long hours.



Commander Ellen



Commander S,
monkeying around

Your Story: Neil Armstrong aka Sam Iles

If you attended Space Day you probably didn't recognize Neil Armstrong riding on the hovercraft or flying a remote controlled blimp. Actually it wasn't the "real Neil" but Sam Iles who portrayed the famous astronaut as part of a school project at Hopewell Elementary where Sam is a 6th grader.



Sam Iles as Neil Armstrong.

Sam's favorite subject in school is science so it wasn't surprising that he chose Mr. Armstrong as his hero. He was intrigued with the first person to walk on the moon and wanted to learn more about him. "Did you know that Neil Armstrong built a 7 foot long wind tunnel in his basement so he could fly his model airplanes," Sam asked the interviewer. (No, I didn't but I do now and think it would be way cool to have such a wind tunnel at iSPACE.)

Sam's mom, Patra said she saw Space Day listed as one of the Best Bets of things to do on Cincinnati.com so she and Sam decided to attend. Sam had a blast! Besides the hovercraft and the blimps, Sam made different kinds of airplanes, learned about a rocket competition, made a ball float in midair, launched seltzer rockets, played robot soccer and got to see a mars globe. When asked how he liked Space Day he said, "I enjoyed it A LOT!" His favorite activity? "Riding the hovercraft. It felt weird."

According to his mom, not only Sam enjoyed Space Day, so did she! "This was our first visit to an iSPACE program. I couldn't believe how all the programs were geared towards the young. It was informative, educational and mostly fun.

The kids don't realize that they are being taught because the way it was presented. Sam enjoyed the fact he was able to have a hands-on experience with all the exhibits," said Patra.

When asked if he would come to another iSPACE event, Sam's answer was a resounding, "Definitely!"



Sam Iles when
he's not being a
famous astronaut.

TELL US YOUR STORY

iSPACE has been providing programs, camps, tournaments and more for over seven years. Frequently parents tell us about the impact these programs have had on their children. We'd like to hear from you on how an iSPACE experience has positively influenced your child in science, technology, engineering or mathematics. Or maybe it is a story about developing teamwork or communication skills. If you have a story, please share it with us and include a picture so we can feature it in one of our future newsletters.

300 word limit, photo in jpg. Send stories to ineenan@ispacescience.org.

GET INVOLVED!

Thanks to the following iSPACE donors:

Lisa Adams
Maisha Gray-Diggs
Hand Surgery Specialist, Inc.
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Ohio Space Grant Consortium
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PTC
Toyota TEMA
University of Cincinnati

iSPACE, is a 501(c)(3), not-for-profit organization. Your donation can help make science education come alive for thousands of OKI students and may be tax deductible. Your contributions also may be eligible for matching funds from your company.

To donate on-line go to

<http://www.ispacescience.org/index.php?page=get-involved-2>

Volunteer Opportunities

iSPACE takes pride in our Very Valuable Volunteers. Are you one of them?

If you are interested in helping out with any iSPACE events such as Space Day or our robotics tournaments, please call 513-720-4772 .

iSPACE Board of Trustees

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For iSPACE information:

513-720-4772

P.O. Box 498454

Cincinnati, Ohio 45249

[Lneenan@spacescience.org](mailto:lneenan@spacescience.org)

<http://www.ispacescience.org>

For Educational Programs

513-277-9521 or

bketrn@spacescience.org

For more information on educational programs for your school or community, contact Bev Ketron, iSPACE Educational Director.

Meet Our Newest Board Members

iSPACE is very please to introduce the newest members of the iSPACE Board of Trustees.

Maisha Gray-Diggs, PhD

Dr. Maisha Gray-Diggs, Senior Research Scientist, has been with Procter & Gamble for 4.5 years. Prior to P&G, she obtained a B.S. and Ph.D. in Materials Science and Engineering from MIT and Northwestern, respectively.

Dr. Gray-Diggs recently completed Cincinnati USA Regional Chamber's Women Excel Leadership Program and was named a 2008 YWCA Rising Star. She leads the Recruiting and Retention Sub-Team for the P&G Analytical Women of Excellence. She is active in the recruitment of Ph.D.s to P&G, serving as the Lead MIT and Northwestern PhD Campus Recruiter and Research-Technical Careers in Industry Committee member. Currently, she is enrolled in the 2009 YWCA Rising Star Board Leadership Training program.

Dr. Gray-Diggs truly believes that to whom much is given, much is expected. Thus she tutors high school students in math, science, and ACT/SAT, mentors undergraduate and graduate students in the STEM disciplines.

Dr. Gray-Diggs hales from San Francisco. She and husband, Will live in Middletown. In their free time, they teach swing dance, enjoy traveling, and watching all basketball.

iSPACE recently added two Youth Trustee positions to our Board and have selected two outstanding high school students to serve in that capacity. We know they will add a fresh perspective and be an asset to our board. They are:

Kristin Bolte

Kristin is entering her senior year at Lakota West High School where she maintains a 4.4 GPA and is a Top 25 Candidate in a class of more than 600 students. She has earned one of three Outstanding Service Awards and Outstanding Leadership Awards from a pool of 1285 students. She is also a member of the National Honor Society and Mu Alpha Theta. She has also earned college credit for Summer Honors Institute Robotics Course at Ohio Northern University.

Kristin is a past member and co-captain of a FIRST LEGO League Robotics team that won multiple awards at the regional and state levels.

She is a Junior Staff member at the iSPACE summer camps and has been a Very Valuable Volunteer at FLL tournaments and Space Day. In addition, she has served as an instructional aide for Adena Elementary Schools afterschool robotics program for the past four years.

She is a SAY Certified Soccer Referee, a member of the Girl Scouts, as well as the Math Club, Spanish Club, Soccer Team, Band and Jazz Band at her high school.

Ben Sandlin

Ben is an incoming sophomore at Reading Junior/Senior High School where he just completed his freshman year with a 4.3 GPA.

In school, Ben is a member of the Junior National Honor Society, serves on Reading's Blue Devil Pride, a self-esteem and drug awareness group for the elementary schools in the district. He plays trumpet in the band, is involved in school plays and sings in the choir.

Ben was a member of a FIRST LEGO League team from 5th thru 8th grade where his team, the Energizer Monkeys, won the iSPACE Cincinnati Regional twice as well as the state championship in 2007. The team advanced to the High Tech Kid's International Invitational in Minneapolis where they were rated one of the top teams and won second place for robot design.

Out of school Ben has been a volunteer at the Cincinnati Zoo in the VolunTeen program for three years and has played piano for 9 years.

This summer, Ben will be a Junior Staff member at the iSPACE summer camps.