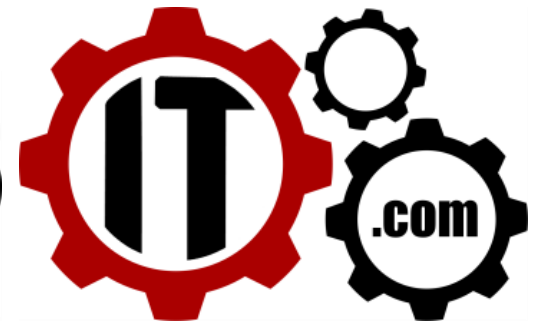


ColumbusMakes

CREATIVITY *&* ENTREPRENEURSHIP CENTER



A MAKERSPACE WHERE **ART, TECHNOLOGY** & GOOD OLD FASHIONED **TRADE SKILLS** INTERSECT AND **CREATE** EDUCATIONAL AND ECONOMIC OPPORTUNITIES FOR INDIVIDUALS AND THE COMMUNITY.

SpringSTEC(A)M Festival™

THURSDAY. FRIDAY + SATURDAY – MARCH 10TH. 11TH + 12TH. 2016

A FIRST OF A KIND IN THE NATION.

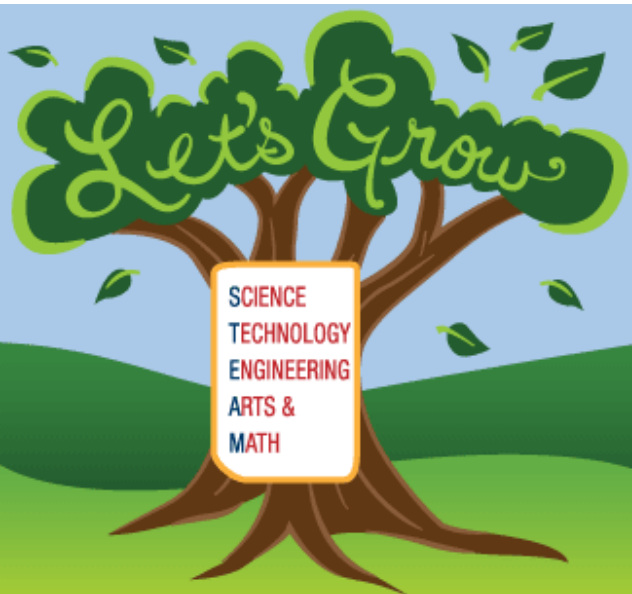
This image was taken on a balloon launched satellite built by Columbus High school students for a NASA DREAMS flight. Launched from Auburn.

D.R.E.A.M.S. is Doing Research at Extrême Altitudes by Motivated Students.

STEAM = U L8!™

STEM + ARTS = STEAM

Brought to you by ColumbusMakesIT! and Let's Grow STE(A)M!



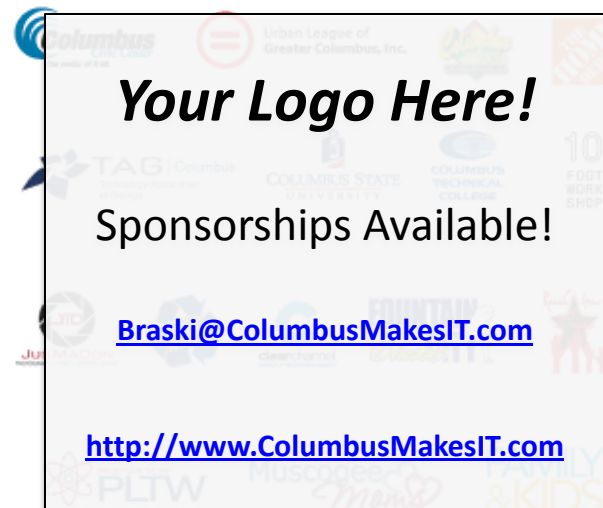
BE
INSPIRED

March 10th, 11th and 12th

2016



THANK YOU TO ALL OUR GENEROUS SPONSORS!




WHY HOST A NEW KIND OF HIGH-TECH EVENT?

- Attract / Retain Desired Creative Technical Talent
- Bring new visitors and industries to town.
- **ColumbusMakesIT** is a Valley Resource

4 MEGA Events on the grounds of South Commons:

1. 3 day tournament - 44+ Team FIRST Robotics High school Competition
2. 2 day Valley-wide Academic – Let's Grow STE(A)M Fair & K-12 Competition
3. 2 days Mechatronic Mayhem – Robot Battles, Drone & Quadcopter Racing
4. 1 day Maker Faire – Only thing “Mini” is its official name!

Location – Columbus Civic Center, Ice Rink and surrounding areas

A photograph of Frank Braski, a man with glasses and a light blue shirt, and a young girl with dark hair in a ponytail, wearing a striped shirt. They are both looking at a LEGO robot on a table. In the background, there is a screen showing a blue robot and a small framed picture of a red and blue robot on the table.

Frank Braski, Founder
Braski@ColumbusMakesIT.com
+1.706.489.9094

STE(A)M:uL8! (*Steam-u-late*) Our 1st EVER SpringSTE(A)M Event, introduces the bi-City area as a new destination for Competitive Robotics a.k.a. “Sport for the Mind”.

For the Last 7 years, Frank Braski, of ValleyFIRST, now ColumbusMakesIT, has successfully hosted larger and larger lower-level robotics competitions in the FIRST continuum of programs. Last year he helped CSU host two such events with 20 and 32 teams of 10 participants each. Parents, friends and grandparents come to see the event. Fewer than 6 teams are from the area.

This year, ColumbusMakesIT is partnering with Columbus State University and Columbus Technical College to host an even bigger, more involved 3-day tournament for up to 50 teams. 40 are already signed up, with dozens wait listed.



FIRST – For Inspiration and Recognition of Science and Technology teaches kids how to be gracious professionals while solving real-world challenges.

K-12 PROGRAMS FOR KIDS

JUNIOR *FIRST*® LEGO® LEAGUE

Captures young curiosity by exploring real-world scientific challenges, learning teamwork, and working with motorized LEGO® elements

GRADES

K-3

FIRST® LEGO® LEAGUE

Elementary and middle school-aged students research a real-world engineering challenge, develop a solution, and compete with LEGO-based robots of their own design

GRADES

4-8

FIRST® TECH CHALLENGE

Teams of middle and high school-aged students are challenged to design, build, and program a robot to play a floor game against other teams' creations

GRADES

7-12

FIRST® ROBOTICS COMPETITION

High school-aged teams compete head to head on a special playing field with robots they have designed, built, and programmed

GRADES

9-12

LET'S GROW STE(A)M!

The background image shows a woman with long dark hair, wearing a pink shirt, smiling as she looks at a project. In the foreground, a young boy is focused on working on a project. In the background, another child is visible, also working. They are all at a table with various materials and projects, suggesting a hands-on learning environment.

- **Robbie Branscomb** has been growing the Let's Grow STE(A)M competition at the Civic Center for the last 4 years. Last year there were over 750 entrants.
- The LET'S GROW STE(A)M initiative is a public event where students display their created projects on a community platform.
- Pre-K thru 12th grade students get the opportunity to showcase and compete amongst their peers, utilizing the various components of STE(A)M.
- Participating students even have a chance to win prizes.
- The Let's Grow STE(A)M competitions are open to all students who reside in Georgia and Alabama in the categories of STE(A)M (science, technology, engineering, arts & crafts, fine arts and literary writing, math).
- There is no entry fee for educational displays or competition entries.

LET'S GROW STE(A)M! PROJECT CATEGORIES

SCIENCE & TECHNOLOGY

- Our World - Our Responsibility: Managing Our Earth, Our Sky, Our Water, Our Galaxy
- Science Genius: Let's Grow Crystals
- Let's Grow - Design Your Own Space Probe
- Let's Grow - The Lifecycle of Plants
- Let's Grow Science Focus: How Do Oil Spills Harm Wildlife?
- Let's Grow - Map Creator
- Let's Grow - Electricity: Salt Water Conductivity
- Let's Grow - Water Cycle - Create a Model of a Water Cycle
- Let's Grow - Time Capsules

ART, Multimedia, Music and Literature

- Project Re-style: Repurpose and Redesign – Recycling as Art
- MAGNET MANIA! Magnetic Sculptures
- Jewelry of Courage
- World of Warhol Extravaganza
- This is My Shot: Nature/Community Photos
- Let's Grow Engineers - Edible Car Creations and Design Contest
- Let's Grow - Time Capsules
- Raging Readers
- Let's Grow - Create a Herbarium Scrapbook

ENGINEERING

- I am Genius - Popsicle Engineer Challenge
- Let's Grow - Design Your Own Space Probe
- LEGO Build Competition - Challenge
- MAGNET MANIA! Magnetic Sculptures
- Let's Grow Science Focus: How Do Oil Spills Harm Wildlife?
- Let's Grow Engineers - Marble Run Creation & Design Contest
- I am Genius - Popsicle Engineering Challenge
- Let's Grow - We Run This Town: Map Creation Project
- Let's Grow Engineers - Edible Car Creations and Design Contest
- Let's Grow - Design Your Future
- Let's Grow Engineers - Marble Run Creation & Design Contest

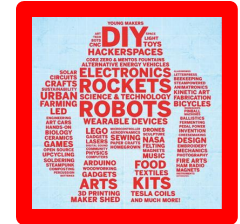
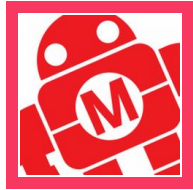
MATH

- We Run This Town: Map Creation Project
- Mind Your Math: Abacus Mind Bender
- Mind Your Math: Create a Sudoku Puzzle

OPEN STE(A)M

- STE(A)M Pioneer
- ROBOTICS EXHIBIT - Rad Robotics

Chattahoochee Valley Regional

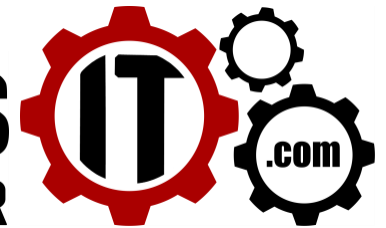


A family-friendly festival of invention, creativity and resourcefulness, and a celebration of the Maker Movement.

Saturday, March 12th, 2016
Columbus Civic Center + Ice Rink



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DRC

DRONE RACING CLUB



Drone racing is a new sport that is growing in popularity. Increased Regulation will drive demand for racing venues and events.
The Nationals in Hawaii in 2016 have \$100,000 grand prize.



BRING OUT THE DRONES!

Power Racing Series

<\$500 Modified Racers with Brakes



THE SOUTH COMMONS VENUE



FRC TOURNAMENT - ROBOT FIGHT CLUB SETUP



SPRINGSTE(A)M FESTIVAL – STE(A)M:UL8!

- **FIRST Robotics Competition Week 2 District Tournament (3-days)**
 - 45-50 multi-bus High school Teams from around the South East (not just GA)
 - Post Season FIRST LEGO League and Jr. FLL Expo
- **Let's Grow STE(A)M! + TechnoExpo + Technology Fair (3-days)**
 - Science Fair meets Art Gallery
 - Pre-K-12 Kids compete for prizes & awards
- **MakerFaire – “The Greatest Show-n-Tell on Earth (Saturday Only)**
 - Up to 70 vendors
 - “Maker” Demonstrations
 - Guest / Local Makers
 - Maker Movement Supplier Demonstrations
 - ***7,000-12,000 visitors expected.***
- **Open Competitive Robotics / RoboFEST / Robotics Rodeo (Friday + Saturday)**
 - Popular “Battlebots”-style robotic competition
 - RoboRumble, Mechatronic Mayhem - name tbd.
 - Open Robotics Demonstrations
 - Battle Labs Confirmed Demos
 - SumoBots, RC Robots, Open Category
 - DroneZone
 - Autonomous Racing
 - FPV/RC Racing
- **21st Century Manufacturing Expo (Saturday Only)**
 - 3-D Printers
 - CNC Milling Machines
 - Modern Fabrication techniques
- Music Venue + Concert Opportunities
- Foodtrucks and other Entertainment

**Mini
Maker
Faire®**

CHATTAHOOCHEE VALLEY

SATURDAY. MARCH 12. 2016

COLUMBUS CIVIC CENTER. COLUMBUS GEORGIA

ColumbusMakesIT! is a Creativity and Entrepreneurship Center that provides the education, tools, technology and mentoring that support activities to encourage and inspire people to Learn IT, Make IT and Live IT.

ColumbusMakesIT! is a registered IRS 501(3)(c) non-profit educational outreach organization for the Chattahoochee river valley region. A place where art, technology, and good old fashioned trade skills intersect and create educational and economic opportunities for individuals and the community.



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THANK YOU!