Rockwell Collins involvement in STEM activities, Jan-Apr 2013

**Brazil**

**Engineers Week Outreach**  
03/04 - 03/08  
40 children, ages 13-15 from a local school will attend an informational session at the City Hall of Sao Jose dos Campos, attend a Rockwell Collins facility tour and will host Rockwell Collins employees at their school.

**California**

**EWeek community outreach kits**  
Throughout Engineers Week  
Rockwell Collins employees may take pre-made kits of hands-on activities to the school or organization of their choosing.

**FIRST Tech Challenge Championship**  
03/02  
Middle and high school student teams advancing from this state competition will have the opportunity to complete with teams from around the globe at the FIRST World Championship in April, 2013. Rockwell Collins will present the Rockwell Collins Innovate Award.

**Florida**

**Captain Winston Scott presentation**  
02/20  
African American Professionals Forum hosts Captain Winston Scott, USN - Ret former NASA Astronaut - Served as a mission specialist on STS - 72 in 1996 and STS - 87 in 1997 who will speak to employees and perform with his Jazz Band during employee luncheon.

**Introduce a Girl to Engineering featuring Nan Mattai, Senior Vice President of Engineering and Technology**  
02/21  
80 7th and 8th grade girls will be matched with female engineers to tour Rockwell Collins, listen to speakers and participate in hands-on engineering activities including a Fusion Flight Simulator experience, a design and flight contest, an Environmental Engineering competition, Thermal camera and 3D Prototyping, Engineering Lean experience and building electronic jewelry. Visitors will also hear WWII Tuskegee Airmen speak about their experiences.

**Engineers Week Competition**  
02/21, 1:30-2:30pm  
Rockwell Collins employees may participate in a “Flying Awesome” engineering competition.

**Engineers Week University Partnering**  
02/21  
University of Florida’s Outreach Engineering Management Program Representative available to Introduce a Girl to Engineering visitors as well as employees to discuss employee activity.
**Engineers Job Shadows**  
**02/27 & 02/28**  
Da Vinci Academy of Aerospace Technology will shadow Rockwell Collins engineers.

**FIRST LEGO League Championship**  
**02/26**  
Middle school student teams advancing from this state competition will have the opportunity to complete with teams from around the globe at the FIRST World Championship in April, 2013.

**FIRST Tech Challenge Championship**  
**03/02**  
Middle and high school student teams advancing from this state competition will have the opportunity to complete with teams from around the globe at the FIRST World Championship in April, 2013. Rockwell Collins will present the Rockwell Collins Innovate Award.

**Georgia**

**Engineers Week Outreach**  
**02/20**  
40 students from the Maxwell School of Technology and 100 Black Men of Atlanta attend Rockwell Collins facility tour and participate in a hands-on engineering activity.

**Iowa**

**39th Annual Career Guidance Conference**  
**02/15, 9am-1pm, Hotel at Kirkwood Center**  
400 high school students will attend break-out sessions focusing on STEM related careers. Industry and education partners will also be attending the conference to offer additional information and resources to students. Rockwell Collins Virtual Reality demonstration will be available.

**Free Engineering Day, Iowa Children’s Museum**  
**02/16, 10am-2pm, Iowa Children’s Museum, Coralridge mall**  
Rockwell Collins employees will be available to do hands-on engineering activities throughout the museum.

**Girls in Science**  
**02/16, Science Center of Iowa**  
Through our Girls in Science Initiative [http://www.sciowa.org/engage/girls-in-science/](http://www.sciowa.org/engage/girls-in-science/) SCI aims to empower and equip girls in science, technology, engineering and math in order to promote early engagement in STEM and encourage pursuit of these careers.

**High Altitude Balloon Launch**  
**02/16, 9 a.m., Rockwell Collins Recreation Center**  
Rockwell Collins Amateur Radio Club (RCARC) will be sponsoring a high altitude balloon launch with high school students during Engineering Week.

- Setup at 8:00am - Students should be present to see / be involved with putting the payload together
- Launch at 9 a.m. - inflation (~20 minutes) and release will be conducted by the iHAB team
- Tracking in the bld 154 Iowa State Conf. room. - We will be tracking the balloon and the chase team - will be projected onto the screen
- The Post Flight Debriefing will be held in the same conf room as soon as the chase team get back into town.

**Introduce a Girl to Engineering**  
**02/19, 9 a.m.-2 p.m.**  
80 8th grade girls will be matched 2:1 with female engineers to tour Rockwell Collins, listen to speakers and do a hands-on engineering activity – Helping Hands prosthetic build.

**EWeek community outreach kits**  
**Throughout Engineers Week**  
Rockwell Collins employees may take pre-made kits of hands-on activities to the school or organization of their choosing.

**FIRST Tech Challenge Championship**  
**02/23, University of Iowa, Iowa Memorial Union**  
Middle and high school student teams advancing from this state competition will have the opportunity to complete with teams from around the globe at the FIRST World Championship in April, 2013. Rockwell Collins will present the Rockwell Collins Innovate Award.

**Girls in Science Dinner Under the Stars**  
**02/26, 6-9 p.m., Science Center of Iowa**  
Business and education partners come together to speak to girls interested in STEM.

**India**

**FIRST Tech Challenge Championship**  
**02/09**  
Middle and high school student teams advancing from this country-wide competition will have the opportunity to complete with teams from around the globe at the FIRST World Championship in St. Louis, Mo., in April, 2013. Rockwell Collins will present the Rockwell Collins Innovate Award.

**New York**

**Engineers Week Employee Challenges**

**2/19**  
Employee paper airplane distance contest
2/20
Employee marble run: they get a stack of office supplies. The contest is to transport a marble the farthest distance from a set drop point. They will presumably have to construct some sort of trough/aqueduct to carry the marble as far as they can

2/21
Employee office supply catapult... we'll set up a target kind of like skee ball... they have to make and calibrate their device to get the most points.

2/22
Employee Jeopardy game for top two teams.

**Engineers Week Outreach**

2/19
Students participating in a Rockwell Collins mentoring program will participate in an engineering challenge at Rockwell Collins – Egg drop competition.

**Oregon**

**ORTOP FIRST LEGO League Championship**

02/19 & 02/20
Middle school student teams advancing from this state competition will have the opportunity to complete with teams from around the globe at the FIRST World Championship in April, 2013. Rockwell Collins will receive the Rockwell Collins Presenting Sponsor plaque as well as present the Rockwell Collins Robot Performance Award 1st and 2nd Place awards.

**Oregon Engineers Week High School Program**

02/20
Local students tour Rockwell Collins.

**Introduce a Girl to Engineering**

02/21
25-30 6th grade girls matched with female engineers to tour Rockwell Collins, listen to speakers and participate in a hands-on engineering activity – Helping Hands prosthetic build.

**Oregon Engineers Week Dinner**

02/20
Rockwell Collins engineers(11) attend dinner with 200 professionals and 300 students.

**FIRST Tech Challenge Championship**

03/02 & 03/03
Middle and high school student teams advancing from this state competition will have the opportunity to complete with teams from around the globe at the FIRST World Championship in April, 2013. Rockwell Collins will present the Rockwell Collins Innovate Award.

**Texas**

**Engineers Week Outreach**

02/18
Introduce a Girl to Engineering - Girl scouts will participate in a Rockwell Collins facility tour, listen to speakers and hands-on activity - Earring Engineering.

**FIRST Tech Challenge Championship**
**03/03**
Middle and high school student teams advancing from this state competition will have the opportunity to compete with teams from around the globe at the FIRST World Championship in April, 2013. Rockwell Collins will present the Rockwell Collins Innovate Award.

**Virginia**

**Introduce a Girl to Engineering**
**02/19 – 02/22**
Middle school girls will be matched with engineers to attend a Rockwell Collins facility tour, experience a flight simulations and hear from engineers about opportunities in engineering.

**Engineering Afternoon**
Rockwell Collins engineers will be celebrated with an awards ceremony and luncheon followed by an afternoon of engineering competitions.

**Introduce a Student to Engineering**
Local high school students will attend STEM education and engineering presentations at Rockwell Collins followed by a student vs engineer tower building competition.

**Ice Cream Social**
Rockwell Collins engineers are invited to celebrate Engineers Week with an ice cream social

**FIRST Tech Challenge Championship**
**03/02**
Middle and high school student teams advancing from this state competition will have the opportunity to complete with teams from around the globe at the FIRST World Championship in April, 2013. Rockwell Collins will present the Rockwell Collins Innovate Award.

**Corporate-wide**

**FIRST World Championship**
**04/25, 04/26, 04/27, St. Louis, MO**
FIRST teams from around the world come together to compete in Jr. FIRST LEGO League, FIRST LEGO League, FIRST Tech Challenge and FIRST Robotics Competition. Rockwell Collins employees will support an exhibit booth with company technology and volunteer throughout the competitions. Rockwell Collins executive leadership will speak at the FIRST Tech Challenge Closing Ceremony as well as present the Rockwell Collins Innovate Award.