00:00:06.169 --> 00:00:14.880
this week at NASA Administrator Charles

00:00:12.359 --> 00:00:17.460
Bolden joined other NASA officials on

00:00:14.880 --> 00:00:21.000
Capitol Hill for an agency showcase

00:00:17.460 --> 00:00:24.028
called NASA technology imagine Nov

00:00:21.000 --> 00:00:26.939
explore the event hosted by members of

00:00:24.028 --> 00:00:29.099
Congress included displays from various

00:00:26.939 --> 00:00:31.379
companies than six NASA centers that

00:00:29.099 --> 00:00:33.750
demonstrate how NASA space and

00:00:31.379 --> 00:00:36.539
Aeronautics technologies help enable

00:00:33.750 --> 00:00:38.700
agency goals while also creating or

00:00:36.539 --> 00:00:41.488
improving products and services that

00:00:38.700 --> 00:00:43.590
benefit life here on earth technology

00:00:41.488 --> 00:00:45.449
development is the key to our future if

00:00:43.590 --> 00:00:46.649
you look at everything that we want to
do whether it's a heavy-lift launch

vehicle a multi-purpose crew vehicle

commmercial crew everything we do is dependent on on improving on the technologies that we have today because we've got to go farther faster and we've got to find better ways to do it what you seen here today are not only great idea to benefit the space program now you're seeing great ideas that have turned into products services that bring wellthis said congressman Rohrabacher explain bring most to our country attendees also had an opportunity to
discuss space travel with astronauts

Mike Massimino and Mike Good, he's been to infinity and beyond but now Buzz Lightyear is at the Smithsonian's National Air and Space Museum's Moving Beyond Earth gallery. The museum hosted a presentation attended by NASA and Pixar creators of Buzz Lightyear and the animated Toy Story franchise during which the action figure which flew on space shuttle Discovery to the International Space Station in 2008 was donated to the museum. NASA Deputy Administrator Lori Garver was there on
behalf of the agency innovative ways to

00:01:54,359 --> 00:01:58,978 communicate to students and the public

00:01:56,759 --> 00:02:01,500 about the value of the International

00:01:58,978 --> 00:02:03,840 Space Station is what this mission was

00:02:01,500 --> 00:02:05,790 all about for us this great little

00:02:03,840 --> 00:02:09,390 action figure was about the real-life

00:02:05,790 --> 00:02:13,950 saga of space exploration it wasn't

00:02:09,389 --> 00:02:16,129 tastic program between NASA and Disney

00:02:13,949 --> 00:02:19,079 to send buzz up and did a tremendous

00:02:16,129 --> 00:02:20,669 education program you know for for

00:02:19,080 --> 00:02:23,310 children all over the world and it was

00:02:20,669 --> 00:02:25,799 so proud a panel discussion during the

00:02:23,310 --> 00:02:28,319 event included NASA footage of buzz in

00:02:25,800 --> 00:02:32,850 space Buzz Lightyear will go on display

00:02:28,319 --> 00:02:35,069 in the gallery later this year during a
recent visit to CFD Research Corporation

in Huntsville, Alabama NASA Chief Technologist Mason Peck was briefed on some of the firm’s newest technologies.

CFD Research, a woman-owned company, developed technologies and provides innovative solutions for aerospace and defense by a medical and life sciences company. It has received numerous NASA Small Business Innovation research Awards to develop software solutions that enable mass emissions and have potential for commercial applications. NASA’s deputy...
administrator lori Garver spoke to students at Luther Jackson middle school in Falls Church Virginia as part of the USA science and engineering festivals. nifty 50 times to program the program sends more than 100 people who like Garver are considered to be leaders in the fields of science and engineering into Washington area schools before the festival to inspire students passion for science and engineering the event which will take place April twenty-eighth and twenty-ninth at the walter e washington convention center in DC is the country's
only National Science Festival during a luncheon given by the aero club of Washington at the capitol hilton in DC.

NASA Administrator Charles Bolden updated the audience on the latest NASA initiatives and the agency's fiscal year 2013 budget request the Aero Club to foster interest in aeronautics and hosts regular forums to discuss issues with leaders in the field NASA's proposed budget would enable the agency to continue the space exploration program outlined by President Obama one that creates jobs and stimulates the
American economy well into the future

101
00:04:20,759 --> 00:04:27,870
while sending us farther into space than

102
00:04:23,040 --> 00:04:30,390
ever before the european space agency's

103
00:04:27,870 --> 00:04:33,120
edoardo amaldi automated Transfer

104
00:04:30,389 --> 00:04:34,800
Vehicle three cargo craft automatically

docked to the aft port of the

105
00:04:33,120 --> 00:04:36,990
International Space Station's Russians

106
00:04:34,800 --> 00:04:39,819
vezde service module on March 28

107
00:04:36,990 --> 00:04:42,750
contact is confirmed as 531 p.m. central

108
00:04:39,819 --> 00:04:44,819
after a five-day journey that began with

109
00:04:42,750 --> 00:04:47,310
its launch from kourou french guiana on

110
00:04:44,819 --> 00:04:49,829
march 23rd the cargo fairy named ant

111
00:04:47,310 --> 00:04:52,860
water amaldi for the italian physicist

112
00:04:49,829 --> 00:04:55,349
and space flight pioneer is loaded with
more than seven tons of food fuel and

supplies for the six crew members on the

orbital laboratory it is expected to

remain docked twice, vezde for about six

months to 10 we have on to the terrier

oriole the early morning skies above the

Wallops Flight Facility on Virginia's

Eastern Shore were lit up by the launch

of five sounding rockets in about five

minutes to study the high-altitude jet

stream Wallops and Clemson University

team up for this anomalous transport

rocket experiment or atrix each of the

five rockets released a tracer the milky
white trail shaped clouds they formed

allowed scientists to see the high-altitude winds the tracers were visible from South Carolina to the northeastern states NASA associate administrator for Aeronautics research jawon shin and Ames Research Center Director Pete worden recently signed an agreement at aims to establish the NASA Aeronautics research institute the Institute will be comprised of multidisciplinary multi-institutional teams seeking innovative ideas to address present and future technological
challenges faced by aviation and the US air transportation system such as reducing air traffic congestion and environmental impacts improving safety and designing aircraft with unconventional capabilities the Institute will also seek to stimulate collaboration among technical disciplines and between NASA academic institutions and other government and industry organizations dedicated to aeronautics research the annual FIRST Robotics Competition is in full swing with some 60,000 high school students
competing in regional challenges using

robots they built in six weeks from a

common kit of parts NASA science chief

and former astronaut John Grunsfeld was

at the DC Convention Center to help kick

off Washington's regional competition

when I was growing up there were

programs like this where I could get with

like-minded kids and we could work on a

project together to build something

great for me it was more question of

surviving the process and still stayin

interested in science and it's so

crucial today that we have programs like

this so that kids can grow together to
grow stronger and to help our nation

NASA is the largest sponsor of the national first program supporting five regional competitions and more than 280 teams the DC region includes high school teams from Virginia Maryland Washington and several other states first stands for inspiration and recognition of Science and Technology here's a look at some of the competition from around the country since January high school first robotics teams across the country have worked tirelessly to build program and test robots in preparation for upcoming
regional and national tournaments in Hampton Roads the NASA nights and triple helix teams both sponsored by NASA Langley spent nights and weekends getting their 120 pound robot ready for this year's challenge called rebound you basically is is shooting foam basketballs up into basketball hoops that are arranged in a diamond pattern at both ends of the field the higher baskets are worth more points around 60 robotics teams competed in the virginia regional tournament held at virginia commonwealth university siegel
center all with the hopes of making it
to the national tournament in St. Louis.

This April this year's game presented new challenges even for a seasoned team like the NASA nights this year had a lot of neat challenges we actually got a vision tracking system working where we could use a camera and see where the backboard is and then judge a distance by the size of the backboard and similar motives up accordingly which is something we've never really done before and is really need to figure out how all that worked both the NASA nights and
triple helix feel confident about their

robots and are looking forward to making

it to Nationals I'm really excited I

think we did really well this year and

I'm looking forward to seeing how

everything pans out first robotics is

not only fun but offers students real

engineering experience and may inspire

them to pursue careers in stem I had no

idea what I wanted to be before I joined

the team but now I want to be a

chemistry major so and I would have been

interested in chemistry but if not for

robotics I probably wouldn't have ever

considered it as a career
the 21st Los Angeles Regional FIRST Robotics Competition at the long beach convention center proved to be a true battle of the minds with support from volunteers from NASA's Jet Propulsion Laboratory and other institutions 66 high school teams from California, Nevada, Brazil, and Chile put their students' designs to the test. I learned so much because I basically already wanted to go into engineering, so I just learned so much about robotics and so many other mechanics about it. It's so much fun. I learned how to communicate.
learned how to build a robot I learned

how to problem-solve and get things done

really quickly while like learning how

to apply the math and science I’ve learned since I was a little kid there’s

the best thing ever the winners from

this competition will represent the

Southern California region at the first

championships in April at the Edward Jones Dome in St. Louis against 51,000 other students on more than 2,400 teams

for more detailed a roundup of recent

FIRST Robotics action involving a NASA center near you stay tuned to NASA TV or
check out NASA.gov and NASA television

youtube site students from Washington Elementary School in San Jose California

had an opportunity to speak live with expedition 30 astronauts Dan Burbank and Don Pettit onboard the international space station during a destination station down Linkin is as a tech museum

of innovation the event was part of a NASA campaign to promote Space Station research opportunities and to educate the public about the ISS do you have internet is

take your iPods around pests disease in
conjunction with the event ames research
center held a space research expo and

Twitter Town Hall featuring astronaut

Rex Walheim the event included

activities and information about how the
station improves life on Earth two one

and liftoff of space shuttle Columbia

with the microgravity science laboratory

our research bridge to the space

benefits of tomorrow fifteen years ago

on April fourth 1997 space shuttle

Columbia launched from the kennedy space
center on STS 83 the first flight of the

microgravity science laboratory one or

MSL one the seven-person crew commander
James Hall cell pilot Susan still payload commander Janice Voss mission specialists Don Thomas and Mike Bernhardt and payload specialist Roger Crouch and Greg Land Terrace were scheduled for 15 days of science activities in orbit but a malfunction with one of Columbia's fuel cells caused the mission to be cut short Columbia and its crew landed just three days and 23 hours later marking only the third time and shuttle program history a mission ended early in July of 97 Columbia and the same crew re flew the mission.
designated STS 94 the first reef light

of a mission with the same orbiter crew

and payload and that's this week @nasa

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