



1
00:00:07,460 --> 00:00:19,369
This Week at NASA...

2
00:00:19,369 --> 00:00:24,710
More than 250 students joined with astronaut
Leland Melvin and Administrator Charles Bolden

3
00:00:24,710 --> 00:00:27,369
at
the Jet Propulsion Laboratory to help kickoff

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00:00:27,369 --> 00:00:29,619
NASA's Summer of Innovation.

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00:00:29,619 --> 00:00:33,100
"What we want to do this summer through
the Summer of Innovation is take young men

6
00:00:33,100 --> 00:00:35,829
and
women like Malik and we want to help them

7
00:00:35,829 --> 00:00:37,660
understand, 'yeah, science and math may
be

8
00:00:37,660 --> 00:00:39,230
difficult, but you can learn it."

9
00:00:39,230 --> 00:00:45,039
The education initiative will use the excitement
and inspiration of NASA missions to engage

10
00:00:45,039 --> 00:00:50,170
thousands of middle school students and teachers
nationwide in stimulating math- and science-

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00:00:50,170 --> 00:00:54,660
based programs during the summer months, a

time when learning skills often decline.

12
00:00:54,660 --> 00:01:00,399
“So, in the summertime, we really have to think about how are we being active with our

13
00:01:00,399 --> 00:01:04,350
brains and our bodies?” We have to keep moving

14
00:01:04,350 --> 00:01:05,670
and keep learning.”

15
00:01:05,670 --> 00:01:10,520
These youngsters, many of them from minority and low-income households, rubbed elbows with

16
00:01:10,520 --> 00:01:13,229
other astronauts, engineers and scientists.

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00:01:13,229 --> 00:01:19,390
“We did study hard. We stayed in school. And I encourage you to find something that

18
00:01:19,390 --> 00:01:21,500
you love and to pursue it with all of your hearts.”

19
00:01:21,500 --> 00:01:26,619
They also participated in interactive and educational activities, including a visit

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00:01:26,619 --> 00:01:29,720
with the next Mars rover, “Curiosity,” scheduled to launch

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00:01:29,720 --> 00:01:30,720
2011.

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00:01:30,720 --> 00:01:37,170

“How many girls here think robotics is cool?
How many of you girls think you can do robotics

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00:01:37,170 --> 00:01:42,539

just as well as any of the boys in this room?
Oh, that’s what I like to see. Getting that

24

00:01:42,539 --> 00:01:46,600

robot
down off that lander? I did that. I told that

25

00:01:46,600 --> 00:01:50,219

robot how to get up there and I told it how
to get back

26

00:01:50,219 --> 00:01:51,770

down.” “Why thank you.”

27

00:01:51,770 --> 00:01:56,409

The Summer of Innovation includes summer learning
programs managed by each of NASA’s

28

00:01:56,409 --> 00:02:01,479

ten centers, the incorporation of NASA materials
into existing non-NASA summer school

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00:02:01,479 --> 00:02:06,950

curricula, and partnering with other Federal
agencies to promote education in science,

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00:02:06,950 --> 00:02:09,250

technology, engineering and math.

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00:02:09,250 --> 00:02:13,560

“You don’t have to be an astronaut to
do cool things for NASA. If you’re good

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00:02:13,560 --> 00:02:17,950

at computers or

building things, you've got the right stuff.”

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00:02:17,950 --> 00:02:24,710

The launch nears for Expedition 24's three new members. Cosmonaut Fyodor Yurchikhin,

34

00:02:24,710 --> 00:02:27,110

and NASA astronauts Dough Wheelock and Shannon

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00:02:27,110 --> 00:02:32,540

Walker are slated to liftoff on a Soyuz rocket for the International Space Station on Tuesday,

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00:02:32,540 --> 00:02:37,350

June 15. Launch from the Baikonur Cosmodrome in Kazakhstan is scheduled for

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00:02:37,350 --> 00:02:40,610

5:35 p.m. Eastern.

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00:02:40,610 --> 00:02:45,600

Walker holds the distinction of not only being among a handful of astronauts married to another

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00:02:45,600 --> 00:02:51,480

astronaut – her spouse is Andy Thomas – but also that she's the first native of Houston,

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00:02:51,480 --> 00:02:54,200

home of the Johnson Space Center and its storied Mission

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00:02:54,200 --> 00:02:57,600

Control, to ever be tapped to become an astronaut.

42

00:02:57,600 --> 00:03:03,760

“I was surprised. I thought for sure with it being such a large city and having such

43
00:03:03,760 --> 00:03:06,230
good
universities here that more people would have

44
00:03:06,230 --> 00:03:08,630
been selected from Houston, but apparently
I am

45
00:03:08,630 --> 00:03:10,670
the first native Houstonian.”

46
00:03:10,670 --> 00:03:14,900
Walker, Wheelock and Yurchikhin will meet
up with Expedition 24 Commander Alexander

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00:03:14,900 --> 00:03:20,900
Skvortsov and flight engineers Tracy Caldwell
Dyson and Mikhail Kornienko, all of whom have

48
00:03:20,900 --> 00:03:26,870
been on the ISS since April.

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00:03:26,870 --> 00:03:32,400
The Langley Research Center has broken ground
on a new facility dedicated to bringing

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00:03:32,400 --> 00:03:34,620
astronauts home safely from space.

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00:03:34,620 --> 00:03:39,530
“I look forward to many other groundbreaking
in the future as Langley continues to lead

52
00:03:39,530 --> 00:03:43,120
the
United States in advanced aeronautics research.”

53
00:03:43,120 --> 00:03:48,510

The center's new Hydro Impact Basin will certify future space vehicles for safe water

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00:03:48,510 --> 00:03:52,230

landings.

Scheduled for completion later this year,

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00:03:52,230 --> 00:03:57,540

the 115-foot-long, 90-foot-wide and 20-foot-deep basin

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00:03:57,540 --> 00:04:03,510

will host a series of water impact tests for the Orion crew vehicle next spring. The results

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00:04:03,510 --> 00:04:06,100

will

help validate and improve Orion's design

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00:04:06,100 --> 00:04:09,480

and engineering. The new Hydro Impact Basin will be

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00:04:09,480 --> 00:04:16,900

situated next to Langley's historic Landing Impact Research Facility, also known as the

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00:04:16,900 --> 00:04:28,800

Gantry,

where Neil Armstrong learned to walk on the

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00:04:28,800 --> 00:04:32,800

moon.

62

00:04:32,800 --> 00:04:37,460

The Marshall Space Flight Center honored the "best of the best" during its Honor Awards

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00:04:37,460 --> 00:04:42,550

ceremony. The awards acknowledge exceptional

contributions by both civil servant and

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00:04:42,550 --> 00:04:50,370

contractor employees. Among the 156 individuals and teams honored were:

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00:04:50,370 --> 00:04:58,550

...recipient of the Presidential Rank of Distinguished Executive award; Todd A. May, special

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00:04:58,550 --> 00:05:03,430

assistant to Marshall's Center director, and Ann R. McNair, director of the Office

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00:05:03,430 --> 00:05:07,099

of Center Operations, both of whom were awarded the

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00:05:07,099 --> 00:05:09,379

Presidential Rank of Meritorious Executive.

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00:05:09,379 --> 00:05:20,871

NASA's second Global Hawk Earth sciences aircraft has completed its first checkout flight. The

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00:05:20,871 --> 00:05:25,610

autonomously-operated aircraft, built by Northrop Grumman, was transferred to the Dryden

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00:05:25,610 --> 00:05:32,919

Flight Research Center in late 2007 after completing its service to the Air Force. It

72

00:05:32,919 --> 00:05:36,340

will team with another Global Hawk on environmental science

73

00:05:36,340 --> 00:05:49,230

missions and long-endurance and high-altitude test flights for Northrop Grumman.

74

00:05:49,230 --> 00:05:53,889

The California School for the Blind is among six schools in the San Francisco Bay Area

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00:05:53,889 --> 00:05:56,840

that've hosted "Space Day" activities including

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00:05:56,840 --> 00:06:04,469

a Traveling Space Museum from the Ames Research Center.

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00:06:04,469 --> 00:06:07,090

"This is a glorious experience for our students because for them, most museum experiences

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00:06:07,090 --> 00:06:08,090

are pretty meaningless. In this instance, they

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00:06:08,090 --> 00:06:09,090

are hearing things, touching things, they're hands on

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00:06:09,090 --> 00:06:14,499

and they are operating equipment like a flight simulator. That's a very unusual experience

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00:06:14,499 --> 00:06:17,520

for them and it gives them a much more meaningful

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00:06:17,520 --> 00:06:19,900

sense of how things work and what they do and

83

00:06:19,900 --> 00:06:33,710

how it all fits together."

84
00:06:33,710 --> 00:06:38,720
An International Space Station module mock-up
is among the 14 activity stations at which

85
00:06:38,720 --> 00:06:45,789
students could talk with NASA experts and
aerospace enthusiasts about the “space experience.”

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00:06:45,789 --> 00:06:52,719
This Traveling Space Museum hopes to move
and inspire the next generation of space

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00:06:52,719 --> 00:06:55,870
explorers.

88
00:06:55,870 --> 00:07:00,449
The Ames Research Center turned the spotlight
on NASA’s collaborative “Smart Skies”

89
00:07:00,449 --> 00:07:03,559
project
by showcasing the curriculum’s software

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00:07:03,559 --> 00:07:15,610
at a kick-off media event. Smart Skies is
an online air

91
00:07:15,610 --> 00:07:20,590
traffic control simulator that offers multiple
modes of problem solving for fifth through

92
00:07:20,590 --> 00:07:24,280
ninth grade
students. Students then apply their solutions

93
00:07:24,280 --> 00:07:27,729
to air traffic management problems.

94
00:07:27,729 --> 00:07:34,860

A team effort of NASA, the Federal Aviation Administration, and local education foundations,

95
00:07:34,860 --> 00:07:40,240
"Smart Skies" promotes science, technology, engineering and math among underprivileged

96
00:07:40,240 --> 00:07:42,699
kids
from the San Francisco Bay area.

97
00:07:42,699 --> 00:07:47,300
And that's This Week at NASA!