



**SPACESTATION
LIVE**

1
00:00:06,950 --> 00:00:05,590
thank you for joining us here at the

2
00:00:08,629 --> 00:00:06,960
mission control center at the johnson

3
00:00:11,030 --> 00:00:08,639
space center i'm joined today by

4
00:00:13,589 --> 00:00:11,040
trenesha dixon who is our project lead

5
00:00:15,270 --> 00:00:13,599
for the micro g next student

6
00:00:16,710 --> 00:00:15,280
undergraduate student program thanks so

7
00:00:18,550 --> 00:00:16,720
much for joining us thank you for having

8
00:00:20,950 --> 00:00:18,560
me so let's start by just telling us

9
00:00:22,950 --> 00:00:20,960
about the micro g next experiment

10
00:00:24,550 --> 00:00:22,960
so micro g next is an opportunity for

11
00:00:28,310 --> 00:00:24,560
undergraduate students

12
00:00:30,870 --> 00:00:28,320
to design and construct their own eba

13
00:00:33,430 --> 00:00:30,880

tools this year we focused on

14

00:00:36,630 --> 00:00:33,440

spacewalk tools and how we could use

15

00:00:37,430 --> 00:00:36,640

those for an upcoming asteroid mission

16

00:00:38,790 --> 00:00:37,440

and

17

00:00:39,910 --> 00:00:38,800

what kind of challenges are you giving

18

00:00:41,590 --> 00:00:39,920

these students

19

00:00:44,470 --> 00:00:41,600

the students have the same challenges

20

00:00:46,470 --> 00:00:44,480

our eva engineers have here at nasa and

21

00:00:47,910 --> 00:00:46,480

so there are actually five that we

22

00:00:49,910 --> 00:00:47,920

presented to them and they would they

23

00:00:51,510 --> 00:00:49,920

would take on the ones that they felt

24

00:00:53,750 --> 00:00:51,520

comfortable taking on

25

00:00:55,830 --> 00:00:53,760

one of the most popular was the rock

26
00:00:58,150 --> 00:00:55,840
chip sampler and so that when they had

27
00:01:00,470 --> 00:00:58,160
to design a tool that would actually

28
00:01:02,229 --> 00:01:00,480
chip off a portion of an asteroid

29
00:01:03,990 --> 00:01:02,239
collect the sample without any

30
00:01:05,509 --> 00:01:04,000
cross-contamination

31
00:01:07,990 --> 00:01:05,519
these are intense challenges for these

32
00:01:09,830 --> 00:01:08,000
students how do you actually test them

33
00:01:12,310 --> 00:01:09,840
when the students come here to the nbl

34
00:01:13,750 --> 00:01:12,320
for that what we call a test week we

35
00:01:15,910 --> 00:01:13,760
treat them just as the as they're

36
00:01:17,590 --> 00:01:15,920
they're the engineers here and so they

37
00:01:19,590 --> 00:01:17,600
go through a test readiness review with

38
00:01:21,749 --> 00:01:19,600

the safety board at the nbl

39

00:01:24,070 --> 00:01:21,759

our professional divers will dive with

40

00:01:25,910 --> 00:01:24,080

the tools and the students act as the

41

00:01:27,670 --> 00:01:25,920

test conductors so they conduct the

42

00:01:29,429 --> 00:01:27,680

dives and do the the real time

43

00:01:31,429 --> 00:01:29,439

communication with the divers while they

44

00:01:32,870 --> 00:01:31,439

go through the simulations so they get

45

00:01:34,390 --> 00:01:32,880

the full experience as if they were

46

00:01:36,870 --> 00:01:34,400

working here as part of the nasa team

47

00:01:38,789 --> 00:01:36,880

this is a real world experience for them

48

00:01:40,310 --> 00:01:38,799

so i've heard that earlier this summer

49

00:01:41,590 --> 00:01:40,320

you already had some student teams come

50

00:01:43,590 --> 00:01:41,600

how did that go

51
00:01:45,510 --> 00:01:43,600
it was quite fantastic and especially

52
00:01:47,030 --> 00:01:45,520
considering this is our first year of

53
00:01:49,350 --> 00:01:47,040
the program

54
00:01:52,149 --> 00:01:49,360
it coincided with our 50th anniversary

55
00:01:54,069 --> 00:01:52,159
of evas near nasa which was great and so

56
00:01:55,510 --> 00:01:54,079
the students came in they were quite

57
00:01:56,950 --> 00:01:55,520
professional

58
00:01:59,990 --> 00:01:56,960
they enjoyed their interaction with the

59
00:02:01,990 --> 00:02:00,000
divers and meeting our smes here at nasa

60
00:02:03,749 --> 00:02:02,000
so we have a whole new inspired

61
00:02:05,590 --> 00:02:03,759
generation that's going to probably be

62
00:02:07,350 --> 00:02:05,600
aspiring to join the nasa team maybe huh

63
00:02:09,430 --> 00:02:07,360

we do they're they're a part of our

64

00:02:11,750 --> 00:02:09,440

technology drives exploration

65

00:02:13,750 --> 00:02:11,760

here at nasa so i understand that we

66

00:02:15,589 --> 00:02:13,760

have a an interactive event coming up on

67

00:02:18,150 --> 00:02:15,599

wednesday can you tell us about that we

68

00:02:19,830 --> 00:02:18,160

do this is our live webcast and we do

69

00:02:22,550 --> 00:02:19,840

this as an opportunity for the students

70

00:02:24,150 --> 00:02:22,560

to tell their story and so each team

71

00:02:25,750 --> 00:02:24,160

will have an opportunity to talk about

72

00:02:27,110 --> 00:02:25,760

their what we call the microgenex

73

00:02:28,550 --> 00:02:27,120

journey so

74

00:02:30,710 --> 00:02:28,560

what they accomplished how they

75

00:02:32,390 --> 00:02:30,720

accomplished it and how it impacts their

76

00:02:34,150 --> 00:02:32,400

their lives moving forward and how it

77

00:02:36,390 --> 00:02:34,160

impacts nasa and how can people

78

00:02:37,990 --> 00:02:36,400

participate in that people everyone can

79

00:02:40,710 --> 00:02:38,000

join in um

80

00:02:43,830 --> 00:02:40,720

to the live stream on the jsc ustream

81

00:02:46,309 --> 00:02:43,840

channel on wednesday it'll air at 10 30

82

00:02:47,589 --> 00:02:46,319

eastern fantastic well thanks so much

83

00:02:49,910 --> 00:02:47,599

for joining us today it sounds like a

84

00:02:51,270 --> 00:02:49,920

really exciting student program and

85

00:02:54,150 --> 00:02:51,280

we're excited to hear more about it

86

00:02:56,790 --> 00:02:54,160

thank you again this is tradition the