



1
00:00:08,890 --> 00:00:07,420
I think the students are here really to

2
00:00:11,680 --> 00:00:08,900
know what it's like to build a Sahn

3
00:00:14,380 --> 00:00:11,690
Rocket payload really what NASA does

4
00:00:21,609 --> 00:00:14,390
best is you know not only inspiring but

5
00:00:24,100 --> 00:00:21,619
connecting people with space so rock on

6
00:00:25,750 --> 00:00:24,110
is just one of those steps that create

7
00:00:28,330 --> 00:00:25,760
those openings for students around the

8
00:00:30,460 --> 00:00:28,340
country to have some real-world hands-on

9
00:00:32,140 --> 00:00:30,470
experience with a connection to an

10
00:00:33,910 --> 00:00:32,150
actual spaceflight I think one of the

11
00:00:35,770 --> 00:00:33,920
most rewarding things for me is seeing

12
00:00:37,840 --> 00:00:35,780
the transformation of the students

13
00:00:39,340 --> 00:00:37,850

throughout the workshop by the time it's

14

00:00:41,650 --> 00:00:39,350

Monday or Tuesday and we're getting

15

00:00:43,660 --> 00:00:41,660

ready for integration there high-five

16

00:00:45,880 --> 00:00:43,670

and the helpers helpers all know them by

17

00:00:49,180 --> 00:00:45,890

name and it's just great seeing this

18

00:00:50,889 --> 00:00:49,190

transformation of someone who's so close

19

00:00:52,959 --> 00:00:50,899

off someone who's completely broken out

20

00:00:54,430 --> 00:00:52,969

of their shell when I interact with

21

00:00:56,200 --> 00:00:54,440

students I want them to feel comfortable

22

00:00:57,160 --> 00:00:56,210

I want them to have fun because I feel

23

00:00:59,470 --> 00:00:57,170

like that's when they're gonna learn

24

00:01:01,000 --> 00:00:59,480

their most it's not uncommon for me when

25

00:01:03,790 --> 00:01:01,010

I'm working with students to be in

26
00:01:05,499 --> 00:01:03,800
costume today even I'm Captain Picard

27
00:01:07,600 --> 00:01:05,509
from the Starship Enterprise

28
00:01:09,730 --> 00:01:07,610
try to break down walls when I'm working

29
00:01:13,150 --> 00:01:09,740
with students and faculty but suddenly

30
00:01:14,919 --> 00:01:13,160
the focus is on the crazy guy and not do

31
00:01:17,410 --> 00:01:14,929
I belong here so they're most

32
00:01:19,779 --> 00:01:17,420
comfortable ready to have fun but also

33
00:01:22,029 --> 00:01:19,789
ready to learn we have students end up

34
00:01:24,609 --> 00:01:22,039
soldering on to on resistors and

35
00:01:27,790 --> 00:01:24,619
capacitors and LEDs and a bunch of other

36
00:01:30,070 --> 00:01:27,800
connectors and they filled all that up

37
00:01:31,510 --> 00:01:30,080
we run them through code Monday we

38
00:01:33,219 --> 00:01:31,520

finish up the coding and then we put

39

00:01:34,900 --> 00:01:33,229

everything on the plate do a final

40

00:01:36,880 --> 00:01:34,910

check-in and we integrate to the

41

00:01:39,400 --> 00:01:36,890

canisters and it's just a whirlwind of a

42

00:01:41,199 --> 00:01:39,410

day there are students here who aren't

43

00:01:43,660 --> 00:01:41,209

engineering students are you know we're

44

00:01:45,160 --> 00:01:43,670

just majoring in physics or chemistry

45

00:01:47,290 --> 00:01:45,170

and we had a couple humanities people

46

00:01:49,180 --> 00:01:47,300

here and then then they came out with a

47

00:01:50,680 --> 00:01:49,190

rocket payload so it doesn't really

48

00:01:52,780 --> 00:01:50,690

matter where you're from what your

49

00:01:54,880 --> 00:01:52,790

background is you can do it

50

00:01:56,260 --> 00:01:54,890

it's just a really unique experience I

51
00:01:58,540 --> 00:01:56,270
think everyone should do it even if

52
00:02:00,250 --> 00:01:58,550
they're not interested in engineering or

53
00:02:02,860 --> 00:02:00,260
anything space-related it's just cool

54
00:02:04,750 --> 00:02:02,870
I haven't meant to launch before viola

55
00:02:06,400 --> 00:02:04,760
feeling that it's gonna be kind of

56
00:02:07,990 --> 00:02:06,410
surreal I've seen on TV before seeing it

57
00:02:10,090 --> 00:02:08,000
in person it's actually a blessing I'm

58
00:02:13,000 --> 00:02:10,100
expecting it to be loud I'm expecting it

59
00:02:16,000 --> 00:02:13,010
to be big and I'm expecting it to be fun

60
00:02:17,530 --> 00:02:16,010
oh so excited like every time I think

61
00:02:18,550 --> 00:02:17,540
about it my heart starts racing and I'm

62
00:02:22,330 --> 00:02:18,560
like okay yep

63
00:02:23,800 --> 00:02:22,340

I'm waiting for that day launch is

64

00:02:26,530 --> 00:02:23,810

definitely the highlight to see that

65

00:02:40,679 --> 00:02:26,540

thing ignite so everyone still counts

66

00:02:44,009 --> 00:02:42,000

it's hard to take your eyes off the

67

00:02:46,289 --> 00:02:44,019

flame but if you do just for that moment

68

00:02:48,270 --> 00:02:46,299

you see life happening all around you

69

00:02:49,800 --> 00:02:48,280

their brains are recording this for the

70

00:02:51,660 --> 00:02:49,810

rest of their lives their experience

71

00:02:54,449 --> 00:02:51,670

something that they've worked hard for

72

00:02:56,670 --> 00:02:54,459

and to me that's almost as exciting as

73

00:02:58,890 --> 00:02:56,680

watching the launch I also feel as if

74

00:03:00,539 --> 00:02:58,900

you can learn the stuff here you're all

75

00:03:01,860 --> 00:03:00,549

ready for take the next steps towards

76

00:03:04,289 --> 00:03:01,870

what you want to do in the future I

77

00:03:06,449 --> 00:03:04,299

think just having you know a student who

78

00:03:08,039 --> 00:03:06,459

clearly been affected by rock on in this

79

00:03:10,080 --> 00:03:08,049

way in terms of their personality in

80

00:03:12,780 --> 00:03:10,090

terms of their confidence level kind of

81

00:03:14,250 --> 00:03:12,790

speaks to the success of the program it

82

00:03:15,720 --> 00:03:14,260

doesn't really matter if your experiment

83

00:03:16,800 --> 00:03:15,730

comes back and it didn't work we like to

84

00:03:19,259 --> 00:03:16,810

make sure that people are comfortable

85

00:03:20,939 --> 00:03:19,269

here and I think that we do a good job

86

00:03:22,439 --> 00:03:20,949

doing that and everyone leaves here

87

00:03:24,959 --> 00:03:22,449

pretty satisfied with the program

88

00:03:31,740 --> 00:03:24,969

so I can say whenever I want okay rock