



1
00:00:00,480 --> 00:00:05,910
that's wonderful

2
00:00:11,509 --> 00:00:09,270
mr president we work together

3
00:00:12,870 --> 00:00:11,519
to everything it's really really

4
00:00:14,629 --> 00:00:12,880
important

5
00:00:15,509 --> 00:00:14,639
for us

6
00:00:22,390 --> 00:00:15,519
and

7
00:00:27,589 --> 00:00:22,400
everybody people all people

8
00:00:31,990 --> 00:00:29,589
now i notice you're bouncing around

9
00:00:33,990 --> 00:00:32,000
quite a bit there guys

10
00:00:35,510 --> 00:00:34,000
are are you wearing

11
00:00:41,350 --> 00:00:35,520
something to strap you down or are you

12
00:00:45,350 --> 00:00:42,709
mr president

13
00:00:47,910 --> 00:00:45,360

we're just uh holding on with our toes

14

00:00:49,430 --> 00:00:47,920

uh onto some handrails below us and at

15

00:00:51,590 --> 00:00:49,440

any moment we could all just easily

16

00:00:53,990 --> 00:00:51,600

float up and that's one of the fun thing

17

00:00:55,670 --> 00:00:54,000

about the about flying in space we get a

18

00:00:56,470 --> 00:00:55,680

chance to talk to a lot of kids and show

19

00:00:58,150 --> 00:00:56,480

them

20

00:01:01,029 --> 00:00:58,160

all the adventures that we have flying

21

00:01:03,430 --> 00:01:01,039

around uh it's also uh it's not just a

22

00:01:05,509 --> 00:01:03,440

lot of fun uh it's a little bit tough on

23

00:01:07,270 --> 00:01:05,519

our bodies we have to exercise and so we

24

00:01:09,190 --> 00:01:07,280

get a chance to talk to a lot of schools

25

00:01:10,710 --> 00:01:09,200

while we're up here schools all over the

26

00:01:13,270 --> 00:01:10,720

planet to help inspire the next

27

00:01:14,630 --> 00:01:13,280

generation

28

00:01:16,870 --> 00:01:14,640

yeah i hear that you're going to be

29

00:01:23,190 --> 00:01:16,880

talking to my alma mater puno school

30

00:01:28,149 --> 00:01:26,710

we're looking forward to that sir

31

00:01:29,670 --> 00:01:28,159

all right well you tell them aloha

32

00:01:31,270 --> 00:01:29,680

listen we've got a bunch of young people

33

00:01:33,429 --> 00:01:31,280

here i want to see if

34

00:01:35,510 --> 00:01:33,439

any of them uh

35

00:01:37,350 --> 00:01:35,520

have some questions

36

00:01:39,109 --> 00:01:37,360

anybody have a question over here

37

00:01:42,069 --> 00:01:39,119

okay this hold on we've got a young lady

38

00:01:47,190 --> 00:01:42,079

right here who's got a question

39

00:01:54,550 --> 00:01:48,630

did you hear that question they want to

40

00:01:58,389 --> 00:01:56,469

we're eating really well uh we eat a lot

41

00:02:00,469 --> 00:01:58,399

of uh it's prepared at nasa but it's

42

00:02:03,350 --> 00:02:00,479

kind of like a backpacking food it's uh

43

00:02:06,069 --> 00:02:03,360

dehydrated we rehydrate it and warm it

44

00:02:07,429 --> 00:02:06,079

up we also use a food similar to meals

45

00:02:08,869 --> 00:02:07,439

ready to eat that they use for the

46

00:02:10,949 --> 00:02:08,879

military and that

47

00:02:14,949 --> 00:02:10,959

a few of us ate last year when hurricane

48

00:02:14,959 --> 00:02:25,430

do you guys still drink tang up there

49

00:02:29,430 --> 00:02:27,990

i've got bill nelson here and uh he says

50

00:02:34,869 --> 00:02:29,440

that that's uh

51
00:02:39,110 --> 00:02:36,949
any uh that that's by by the way before

52
00:02:42,309 --> 00:02:39,120
uh the time of uh you young people we

53
00:02:44,550 --> 00:02:42,319
used to drink tang uh we got a young man

54
00:02:49,990 --> 00:02:44,560
right here hold on one second

55
00:02:50,000 --> 00:02:58,550
can you play video games in space

56
00:03:03,270 --> 00:03:01,589
we can in fact in fact a few years ago

57
00:03:05,110 --> 00:03:03,280
when i was up here for six months i had

58
00:03:07,110 --> 00:03:05,120
a video game that i used to play in my

59
00:03:09,509 --> 00:03:07,120
spare time unfortunately we don't have

60
00:03:11,509 --> 00:03:09,519
much spare time so we can we have a lot

61
00:03:14,070 --> 00:03:11,519
of laptop computers but for the most

62
00:03:16,470 --> 00:03:14,080
part we we stay real busy doing uh real

63
00:03:20,869 --> 00:03:19,270

the

64

00:03:22,790 --> 00:03:20,879

tell us what what kinds of uh

65

00:03:25,670 --> 00:03:22,800

experiments uh are you doing once you

66

00:03:27,990 --> 00:03:25,680

got the panel up uh what kinds of

67

00:03:30,390 --> 00:03:28,000

uh other activities are are you doing is

68

00:03:32,869 --> 00:03:30,400

is it mostly just maintaining

69

00:03:35,350 --> 00:03:32,879

uh the craft uh or

70

00:03:37,750 --> 00:03:35,360

uh are are there certain experiments or

71

00:03:41,350 --> 00:03:37,760

uh projects that you're engaged in as

72

00:03:45,430 --> 00:03:44,149

well sir we have uh experiments already

73

00:03:46,869 --> 00:03:45,440

up here that we've been doing for many

74

00:03:48,550 --> 00:03:46,879

years and we'll be able to double that

75

00:03:50,309 --> 00:03:48,560

with the addition of the solar array

76
00:03:52,070 --> 00:03:50,319
that our shuttle friends brought up we

77
00:03:53,830 --> 00:03:52,080
do a lot of experiments on combustion

78
00:03:55,429 --> 00:03:53,840
understanding materials understanding

79
00:03:57,589 --> 00:03:55,439
how you know we're guinea pigs so

80
00:03:59,190 --> 00:03:57,599
understanding how people's bodies change

81
00:04:01,270 --> 00:03:59,200
in space and all this is in preparation

82
00:04:03,350 --> 00:04:01,280
for long-duration missions to moon and

83
00:04:04,949 --> 00:04:03,360
mars the exciting thing about doing

84
00:04:06,470 --> 00:04:04,959
science up here is we really don't know

85
00:04:08,470 --> 00:04:06,480
what we don't know and that gives you

86
00:04:09,990 --> 00:04:08,480
the greatest potential for learning and

87
00:04:11,990 --> 00:04:10,000
we've had a lot of cases where people

88
00:04:14,070 --> 00:04:12,000

have set up experiments and we've

89

00:04:15,670 --> 00:04:14,080

conducted them here on the space station

90

00:04:17,590 --> 00:04:15,680

only to find out that we've learned

91

00:04:19,509 --> 00:04:17,600

something new something more

92

00:04:22,069 --> 00:04:19,519

about the fundamentals of this of the

93

00:04:27,189 --> 00:04:22,079

processes and the science so it's a

94

00:04:31,030 --> 00:04:29,270

outstanding uh any of the young people

95

00:04:32,950 --> 00:04:31,040

have another question

96

00:04:34,950 --> 00:04:32,960

this young man right here hold on one

97

00:04:37,670 --> 00:04:34,960

second

98

00:04:41,430 --> 00:04:37,680

have you found any life forms or any

99

00:04:45,909 --> 00:04:43,909

it's a good question any uh

100

00:04:51,270 --> 00:04:45,919

any life forms out there

101
00:04:56,310 --> 00:04:53,909
we did an experiment on this mission uh

102
00:04:58,790 --> 00:04:56,320
to take a swab or a sample of the

103
00:05:00,469 --> 00:04:58,800
surface of the eva the space walker's

104
00:05:03,510 --> 00:05:00,479
gloves both before

105
00:05:05,189 --> 00:05:03,520
and after the space walk and that's uh

106
00:05:07,110 --> 00:05:05,199
that was sort of a demonstration of the

107
00:05:08,830 --> 00:05:07,120
type of technology that we'll be able to

108
00:05:12,070 --> 00:05:08,840
use on the moon and

109
00:05:13,590 --> 00:05:12,080
mars for the same purpose to try and see

110
00:05:16,790 --> 00:05:13,600
if we can determine what sort of

111
00:05:18,310 --> 00:05:16,800
bacteria or microorganisms are living in

112
00:05:20,550 --> 00:05:18,320
the various environments we're going to

113
00:05:22,790 --> 00:05:20,560

encounter we unfortunately haven't

114

00:05:25,909 --> 00:05:22,800

really found anything here i think we'll

115

00:05:27,670 --> 00:05:25,919

have much more uh success at finding new

116

00:05:29,510 --> 00:05:27,680

types of life and different structures

117

00:05:31,189 --> 00:05:29,520

when we go to places like moon and mars