



**SPACESTATION
LIVE**

1
00:00:08,070 --> 00:00:06,150
the science being done onboard the

2
00:00:10,790 --> 00:00:08,080
international space station covers a

3
00:00:13,350 --> 00:00:10,800
wide range of disciplines from some very

4
00:00:15,509 --> 00:00:13,360
complex laboratory experiments and

5
00:00:17,830 --> 00:00:15,519
research using the human body is a test

6
00:00:20,390 --> 00:00:17,840
subject to visual observations of the

7
00:00:21,750 --> 00:00:20,400
earth and it includes some educational

8
00:00:24,150 --> 00:00:21,760
outreach efforts

9
00:00:26,310 --> 00:00:24,160
one of those is called story time from

10
00:00:29,349 --> 00:00:26,320
space and that is on the agenda for

11
00:00:31,029 --> 00:00:29,359
flight engineer kimia yui of japan today

12
00:00:33,030 --> 00:00:31,039
we're going to learn more about it from

13
00:00:35,830 --> 00:00:33,040

patricia tribe she's one of the

14

00:00:38,069 --> 00:00:35,840

co-principal investigators who joins us

15

00:00:41,030 --> 00:00:38,079

from her home in penticton british

16

00:00:43,510 --> 00:00:41,040

columbia good morning patricia

17

00:00:45,590 --> 00:00:43,520

good morning thank you for having me the

18

00:00:47,910 --> 00:00:45,600

the basic operation of this experiment

19

00:00:50,630 --> 00:00:47,920

what kimia is doing today involves

20

00:00:52,630 --> 00:00:50,640

astronauts reading books to children can

21

00:00:54,630 --> 00:00:52,640

you tell me where the idea for this came

22

00:00:55,830 --> 00:00:54,640

from and what you hope to achieve from

23

00:00:58,869 --> 00:00:55,840

it

24

00:01:01,670 --> 00:00:58,879

uh the idea came uh while i was making

25

00:01:03,670 --> 00:01:01,680

pasta dinner one night

26

00:01:07,750 --> 00:01:03,680

um actually i had been doing some

27

00:01:10,230 --> 00:01:07,760

research on education and um

28

00:01:13,590 --> 00:01:10,240

and literacy and the amount of time that

29

00:01:15,910 --> 00:01:13,600

teachers were spending in increasing the

30

00:01:18,630 --> 00:01:15,920

amount of literacy and language arts

31

00:01:20,550 --> 00:01:18,640

time that they were doing in classroom

32

00:01:22,710 --> 00:01:20,560

and then i was noticing that some of the

33

00:01:25,190 --> 00:01:22,720

other data was showing us that almost

34

00:01:26,710 --> 00:01:25,200

the exact same amount of time that they

35

00:01:29,749 --> 00:01:26,720

were increasing

36

00:01:32,550 --> 00:01:29,759

was being decreased in the sciences

37

00:01:34,870 --> 00:01:32,560

and i thought gee we need we need both

38

00:01:37,429 --> 00:01:34,880

we need to you know keep up our language

39

00:01:39,429 --> 00:01:37,439

art skills with all of our students and

40

00:01:41,990 --> 00:01:39,439

we also need to keep up our science

41

00:01:44,789 --> 00:01:42,000

skills and learn those science concepts

42

00:01:48,230 --> 00:01:44,799

and so the idea just came to me you know

43

00:01:49,830 --> 00:01:48,240

how can we use the amazing exciting fun

44

00:01:50,630 --> 00:01:49,840

world of space

45

00:01:53,350 --> 00:01:50,640

to

46

00:01:55,429 --> 00:01:53,360

combine language arts and

47

00:01:56,789 --> 00:01:55,439

stem education

48

00:01:59,030 --> 00:01:56,799

now the crew members on board the

49

00:02:01,030 --> 00:01:59,040

station they're not just reading any old

50

00:02:02,789 --> 00:02:01,040

book are they there are some special

51

00:02:05,990 --> 00:02:02,799

materials

52

00:02:09,029 --> 00:02:06,000

right we have 12 books five are up there

53

00:02:11,190 --> 00:02:09,039

right now and those books are written by

54

00:02:14,070 --> 00:02:11,200

jeffrey bennett and they're

55

00:02:16,710 --> 00:02:14,080

a series of books about max a dog that

56

00:02:19,270 --> 00:02:16,720

goes on adventures out into space

57

00:02:21,190 --> 00:02:19,280

and so i would encourage anybody to to

58

00:02:22,790 --> 00:02:21,200

grab those

59

00:02:25,430 --> 00:02:22,800

they are awesome books because they have

60

00:02:28,550 --> 00:02:25,440

a story but then they also have science

61

00:02:31,589 --> 00:02:28,560

boxes on the sides of each page that

62

00:02:34,550 --> 00:02:31,599

goes into the science content within the

63

00:02:37,190 --> 00:02:34,560

stories in a more in depth and so what

64

00:02:39,430 --> 00:02:37,200

you're going to see being done today up

65

00:02:41,509 --> 00:02:39,440

on orbit is the reading of those science

66

00:02:44,630 --> 00:02:41,519

boxes and a discussion about the science

67

00:02:47,670 --> 00:02:44,640

concepts so we like to have it have some

68

00:02:49,830 --> 00:02:47,680

science background and content to it and

69

00:02:51,750 --> 00:02:49,840

um that's how we're we're looking at the

70

00:02:52,949 --> 00:02:51,760

books that we're picking

71

00:02:54,949 --> 00:02:52,959

and and the word

72

00:02:57,509 --> 00:02:54,959

is getting videotaped on orbit and

73

00:02:59,110 --> 00:02:57,519

that's how it gets distributed to

74

00:03:01,670 --> 00:02:59,120

to the children right

75

00:03:03,990 --> 00:03:01,680

right it's getting videotaped and then

76
00:03:06,790 --> 00:03:04,000
um we have the other seven books going

77
00:03:10,309 --> 00:03:06,800
up and those books are going to be read

78
00:03:12,149 --> 00:03:10,319
and um as a whole story first of all so

79
00:03:14,470 --> 00:03:12,159
we'll have the whole story

80
00:03:18,869 --> 00:03:14,480
and read and then we're also sending up

81
00:03:22,470 --> 00:03:18,879
in march um on spacex 9

82
00:03:26,390 --> 00:03:22,480
9 science demonstrations that tie

83
00:03:27,830 --> 00:03:26,400
all the content from the books into

84
00:03:30,309 --> 00:03:27,840
stem

85
00:03:32,229 --> 00:03:30,319
real science demonstrations that the

86
00:03:35,509 --> 00:03:32,239
astronauts are also going to be doing in

87
00:03:38,149 --> 00:03:35,519
videotaping so we'll combine all of that

88
00:03:40,309 --> 00:03:38,159

content the stories the science boxes

89

00:03:43,350 --> 00:03:40,319

and the science demonstrations into

90

00:03:46,550 --> 00:03:43,360

programs and materials for educators and

91

00:03:48,949 --> 00:03:46,560

science centers and families as well

92

00:03:50,550 --> 00:03:48,959

and this is not the first time that uh

93

00:03:52,710 --> 00:03:50,560

an astronaut has read a book for you

94

00:03:54,309 --> 00:03:52,720

this you've done this for a few years uh

95

00:03:56,869 --> 00:03:54,319

tell me about the response that you've

96

00:03:59,589 --> 00:03:56,879

gotten and then how wide this is being

97

00:04:02,710 --> 00:03:59,599

widely this is being distributed

98

00:04:04,789 --> 00:04:02,720

well we we pilot tested this um i had

99

00:04:07,830 --> 00:04:04,799

that idea of you know what we could do

100

00:04:11,190 --> 00:04:07,840

having stories and science combined

101
00:04:14,830 --> 00:04:11,200
and um i passed that idea through alvin

102
00:04:17,189 --> 00:04:14,840
drew and um he was about to fly on

103
00:04:20,390 --> 00:04:17,199
sts-133 at the time

104
00:04:22,230 --> 00:04:20,400
and um he was super excited about the

105
00:04:24,390 --> 00:04:22,240
idea and said you know why aren't we

106
00:04:26,310 --> 00:04:24,400
doing this this just makes complete

107
00:04:28,469 --> 00:04:26,320
sense it's one of those things that's so

108
00:04:30,790 --> 00:04:28,479
simple and so practical we've just

109
00:04:35,070 --> 00:04:30,800
overlooked doing something like this

110
00:04:37,990 --> 00:04:35,080
and um and so he pilot tested it on

111
00:04:40,950 --> 00:04:38,000
sts-133 and nicole stott read a book for

112
00:04:43,830 --> 00:04:40,960
us and michael barrett did as well

113
00:04:45,830 --> 00:04:43,840

and so we piloted it but we were using

114

00:04:49,110 --> 00:04:45,840

the books electronically

115

00:04:51,909 --> 00:04:49,120

and we found that that didn't have quite

116

00:04:54,390 --> 00:04:51,919

the same flair as actually holding a

117

00:04:56,070 --> 00:04:54,400

book you know and turning it around just

118

00:04:57,990 --> 00:04:56,080

like you're having a story time with

119

00:05:00,070 --> 00:04:58,000

your child or with your students in

120

00:05:03,909 --> 00:05:00,080

class

121

00:05:06,550 --> 00:05:03,919

yes exactly and so and so we adapted it

122

00:05:10,070 --> 00:05:06,560

and um and then we've been working with

123

00:05:11,749 --> 00:05:10,080

nasa and cases to get the um the books

124

00:05:13,749 --> 00:05:11,759

and the science demonstrations up to

125

00:05:15,590 --> 00:05:13,759

orbit for the last few years

126

00:05:17,990 --> 00:05:15,600

and in fact a lot of this material is

127

00:05:19,270 --> 00:05:18,000

available for anybody to see uh online

128

00:05:22,390 --> 00:05:19,280

now right

129

00:05:24,390 --> 00:05:22,400

right we are starting to get um we get

130

00:05:26,310 --> 00:05:24,400

the video of the reading of the book

131

00:05:27,350 --> 00:05:26,320

back down and then it goes through some

132

00:05:28,310 --> 00:05:27,360

editing

133

00:05:30,950 --> 00:05:28,320

and

134

00:05:34,310 --> 00:05:30,960

once it's edited we are putting that

135

00:05:36,870 --> 00:05:34,320

rough edit online for anybody to see and

136

00:05:39,990 --> 00:05:36,880

it's also on youtube and so if they go

137

00:05:41,270 --> 00:05:40,000

to storytimefromspace.com

138

00:05:43,510 --> 00:05:41,280

and then there'll be a little header

139

00:05:45,830 --> 00:05:43,520

that says video library you can see

140

00:05:48,870 --> 00:05:45,840

there's two and there will be a third

141

00:05:50,550 --> 00:05:48,880

reading up online very shortly and the

142

00:05:53,029 --> 00:05:50,560

same thing will happen as we get those

143

00:05:55,189 --> 00:05:53,039

science box readings back and we get the

144

00:05:57,350 --> 00:05:55,199

science demonstration videos back they

145

00:05:59,590 --> 00:05:57,360

will all go on to this website and the

146

00:06:02,270 --> 00:05:59,600

website address again

147

00:06:06,150 --> 00:06:02,280

storytimefromspace.com

148

00:06:07,749 --> 00:06:06,160

very much for uh for letting us know

149

00:06:09,350 --> 00:06:07,759

about what's going on

150

00:06:11,430 --> 00:06:09,360

well thank you for having me and i

151

00:06:13,510 --> 00:06:11,440

appreciate all the support that nasa's

152

00:06:16,150 --> 00:06:13,520

been giving us patricia tribe is one of

153

00:06:18,710 --> 00:06:16,160

the co-principal investigators of the

154

00:06:20,390 --> 00:06:18,720

story time from space experiment it's