



1
00:00:06,550 --> 00:00:03,189
station this is colvin run elementary

2
00:00:06,560 --> 00:00:10,390
i hear you loud and clear

3
00:00:14,870 --> 00:00:12,390
good morning i am stem teacher susan

4
00:00:16,630 --> 00:00:14,880
blackwell and we're incredibly excited

5
00:00:17,990 --> 00:00:16,640
about this opportunity to speak to you

6
00:00:19,750 --> 00:00:18,000
we've been learning all about the

7
00:00:21,830 --> 00:00:19,760
international space station

8
00:00:24,310 --> 00:00:21,840
and we have students here ready to ask

9
00:00:32,470 --> 00:00:24,320
you questions our first question is from

10
00:00:36,709 --> 00:00:33,190
hi

11
00:00:39,590 --> 00:00:36,719
my name is kavya vij and i'm 13 years

12
00:00:41,830 --> 00:00:39,600
old my question is what are some recent

13
00:00:46,790 --> 00:00:41,840

experiments you have done and will they

14

00:00:50,229 --> 00:00:48,229

well thanks that's a good question we do

15

00:00:52,470 --> 00:00:50,239

a lot of science up here recently i've

16

00:00:54,869 --> 00:00:52,480

been working on one that is trying to

17

00:00:56,069 --> 00:00:54,879

figure out how plant cells detect

18

00:00:58,790 --> 00:00:56,079

gravity

19

00:01:00,470 --> 00:00:58,800

and that way the plant cells go thicker

20

00:01:01,910 --> 00:01:00,480

in a direction against gravity so they

21

00:01:03,830 --> 00:01:01,920

can actually grow up

22

00:01:05,429 --> 00:01:03,840

uh we if we understand this better we

23

00:01:16,310 --> 00:01:05,439

can hopefully grow plants more

24

00:01:23,350 --> 00:01:20,149

hi my name is ella i'm six years old my

25

00:01:25,590 --> 00:01:23,360

question is when did you know you wanted

26

00:01:30,310 --> 00:01:25,600

to be an astronaut and how did you

27

00:01:33,910 --> 00:01:32,310

well i guess most of my life i thought i

28

00:01:35,350 --> 00:01:33,920

wanted to be an astronaut but i didn't

29

00:01:38,630 --> 00:01:35,360

know i really wanted to become an

30

00:01:41,270 --> 00:01:38,640

astronaut until i was a teenager in high

31

00:01:43,030 --> 00:01:41,280

school and i was watching some airplanes

32

00:01:44,069 --> 00:01:43,040

fly over and i saw a space shuttle

33

00:01:46,870 --> 00:01:44,079

launch

34

00:01:48,230 --> 00:01:46,880

and from there my my future was sealed i

35

00:01:58,230 --> 00:01:48,240

thought flying into space would be a

36

00:02:02,630 --> 00:02:00,950

hi my name is emma mobley

37

00:02:07,990 --> 00:02:02,640

and i

38

00:02:12,550 --> 00:02:08,000

is how do you feel when spaceship takes

39

00:02:15,830 --> 00:02:14,229

good question emma

40

00:02:18,550 --> 00:02:15,840

how do i feel when the spaceship takes

41

00:02:20,470 --> 00:02:18,560

off her space well i'm probably maybe a

42

00:02:21,750 --> 00:02:20,480

little bit nervous but not much i'm also

43

00:02:23,190 --> 00:02:21,760

very happy

44

00:02:24,869 --> 00:02:23,200

at the same time because i get to go to

45

00:02:26,070 --> 00:02:24,879

space well look at it's kind of like

46

00:02:27,750 --> 00:02:26,080

when you're going on a roller coaster

47

00:02:29,030 --> 00:02:27,760

ride and you get that first part that's

48

00:02:30,790 --> 00:02:29,040

really steep and it goes click click

49

00:02:32,070 --> 00:02:30,800

click click click click click just about

50

00:02:33,270 --> 00:02:32,080

you get to the top you know it's coming

51
00:02:34,949 --> 00:02:33,280
you know it's going to be fun but you're

52
00:02:45,030 --> 00:02:34,959
just a little anxious that's kind of how

53
00:02:50,550 --> 00:02:47,509
hi my name is isha moscari and i am 10

54
00:02:52,150 --> 00:02:50,560
years old my question for you is what's

55
00:02:54,790 --> 00:02:52,160
it like living with other people from

56
00:03:00,470 --> 00:02:54,800
the international space station

57
00:03:04,229 --> 00:03:01,910
uh it's like having a roommate in

58
00:03:06,149 --> 00:03:04,239
college but it's even better right now

59
00:03:08,550 --> 00:03:06,159
we have our german crewmate alex gerst

60
00:03:10,149 --> 00:03:08,560
coming in to say hi we also have three

61
00:03:11,670 --> 00:03:10,159
russian crew members

62
00:03:13,670 --> 00:03:11,680
they couldn't be with us they're down

63
00:03:15,750 --> 00:03:13,680

doing some work but uh it's great we're

64

00:03:17,430 --> 00:03:15,760

all good friends and it's great to learn

65

00:03:18,790 --> 00:03:17,440

from other cultures so i'll let alex say

66

00:03:20,949 --> 00:03:18,800

a quick hi

67

00:03:23,990 --> 00:03:20,959

hello everybody down there

68

00:03:26,309 --> 00:03:24,000

as you can see we are a very kind of

69

00:03:28,710 --> 00:03:26,319

nicely mixed crew from all different

70

00:03:31,350 --> 00:03:28,720

countries we have russians americans of

71

00:03:33,350 --> 00:03:31,360

course i'm german and it's really nice

72

00:03:35,990 --> 00:03:33,360

to live with different different people

73

00:03:37,990 --> 00:03:36,000

here because like it's a lot of fun

74

00:03:43,190 --> 00:03:38,000

there's a lot of jokes and we learn from

75

00:03:54,949 --> 00:03:45,509

so i was told you guys speak german is

76
00:04:02,630 --> 00:03:57,270
we have one who speaks german who just

77
00:04:08,149 --> 00:04:04,390
very good let's have a conversation in

78
00:04:08,159 --> 00:04:21,349
from the armstrong

79
00:04:21,359 --> 00:04:47,830
hello

80
00:04:51,350 --> 00:04:49,749
i was teaching german to these guys

81
00:04:53,350 --> 00:04:51,360
maybe they wanted they want to try out

82
00:04:54,790 --> 00:04:53,360
what they already learned

83
00:04:56,310 --> 00:04:54,800
no no

84
00:05:00,070 --> 00:04:56,320
all right thanks man you get back to

85
00:05:05,029 --> 00:05:03,029
and i'll go back to work

86
00:05:06,790 --> 00:05:05,039
okay thank you we have another question

87
00:05:10,230 --> 00:05:06,800
here

88
00:05:12,230 --> 00:05:10,240

hi my name is sophie fredericks

89

00:05:14,790 --> 00:05:12,240

i'm six years old and this is my

90

00:05:16,950 --> 00:05:14,800

christmas with all the buttons on the

91

00:05:20,150 --> 00:05:16,960

street station do you know what they are

92

00:05:24,469 --> 00:05:20,160

due or are you responsible for the day

93

00:05:28,710 --> 00:05:26,550

that's a good question

94

00:05:30,390 --> 00:05:28,720

i know i don't know what all the buttons

95

00:05:32,390 --> 00:05:30,400

do but luckily we have people on the

96

00:05:34,710 --> 00:05:32,400

ground and mission controls all over the

97

00:05:36,629 --> 00:05:34,720

world who help us figure that out so if

98

00:05:38,070 --> 00:05:36,639

i have a question i can just ask them

99

00:05:47,590 --> 00:05:38,080

and there's experts on the ground that

100

00:05:52,710 --> 00:05:49,909

hello my name is alex chung and i'm 11

101
00:05:54,150 --> 00:05:52,720
years old my question is when you step

102
00:05:56,550 --> 00:05:54,160
outside of the international space

103
00:06:02,629 --> 00:05:56,560
station into the vacuum of space do you

104
00:06:08,390 --> 00:06:04,150
i'm going to let steve answer that one

105
00:06:10,230 --> 00:06:08,400
because he's done five space walks

106
00:06:12,390 --> 00:06:10,240
it's a good question uh you feel a

107
00:06:14,150 --> 00:06:12,400
little vulnerable because you know

108
00:06:16,710 --> 00:06:14,160
you are in a spacesuit but the outside

109
00:06:17,990 --> 00:06:16,720
that spacesuit is the vacuum of space

110
00:06:19,909 --> 00:06:18,000
and that is a little bit of a dangerous

111
00:06:23,189 --> 00:06:19,919
spot but it's also a wonderful thing to

112
00:06:24,550 --> 00:06:23,199
do the view is fantastic and

113
00:06:31,670 --> 00:06:24,560

we can't wait to go out again hopefully

114

00:06:35,909 --> 00:06:33,909

hi my name is isabelle butler i am nine

115

00:06:38,150 --> 00:06:35,919

years old is there an item that you wish

116

00:06:40,230 --> 00:06:38,160

were on the international space station

117

00:06:46,950 --> 00:06:40,240

that is not currently aboard what would

118

00:06:52,230 --> 00:06:50,309

uh i would have to say a shower i would

119

00:06:55,430 --> 00:06:52,240

love to take a shower that would be

120

00:06:57,749 --> 00:06:55,440

fantastic but in space with microgravity

121

00:06:59,430 --> 00:06:57,759

really without gravity it's impossible

122

00:07:07,990 --> 00:06:59,440

for us to take a shower so that's the

123

00:07:12,629 --> 00:07:10,629

hi my name is casey wislowski and when

124

00:07:14,150 --> 00:07:12,639

you are about to go up into space to the

125

00:07:15,909 --> 00:07:14,160

instructors who teach you tell you

126

00:07:17,909 --> 00:07:15,919

stories about people who didn't follow

127

00:07:23,189 --> 00:07:17,919

the rules to make you follow them in

128

00:07:25,909 --> 00:07:24,790

oh yeah

129

00:07:28,070 --> 00:07:25,919

you definitely

130

00:07:30,629 --> 00:07:28,080

get stories i would say about people who

131

00:07:33,589 --> 00:07:30,639

didn't do what they were supposed to do

132

00:07:35,909 --> 00:07:33,599

and most of them are good examples of

133

00:07:37,029 --> 00:07:35,919

what not to do in space and

134

00:07:39,270 --> 00:07:37,039

things usually go wrong when that

135

00:07:41,189 --> 00:07:39,280

happens so we learn from those

136

00:07:49,350 --> 00:07:41,199

very well from that kind of example and

137

00:07:55,189 --> 00:07:50,990

hi my name

138

00:08:02,629 --> 00:07:55,199

is seven years old my question is

139

00:08:06,230 --> 00:08:04,070

that's a really good question because

140

00:08:07,990 --> 00:08:06,240

actually even though he floats here as

141

00:08:09,589 --> 00:08:08,000

you can see he's doing this we actually

142

00:08:11,270 --> 00:08:09,599

do have gravity here and that's an

143

00:08:13,110 --> 00:08:11,280

interesting little concept can you hold

144

00:08:19,270 --> 00:08:13,120

this for a second there you read

145

00:08:23,270 --> 00:08:21,589

steve's going to get a globe of the

146

00:08:25,589 --> 00:08:23,280

earth here

147

00:08:27,350 --> 00:08:25,599

so you see this is the earth and what we

148

00:08:29,670 --> 00:08:27,360

do we're in orbit around the earth

149

00:08:32,230 --> 00:08:29,680

meaning we go around the earth and the

150

00:08:34,949 --> 00:08:32,240

idea is we are going so fast this way

151
00:08:36,709 --> 00:08:34,959
around the earth that as we fall we miss

152
00:08:39,430 --> 00:08:36,719
the earth so we're just kind of going

153
00:08:41,990 --> 00:08:39,440
really fast we're going 17 500 miles an

154
00:08:43,829 --> 00:08:42,000
hour this way and as we fall we just

155
00:08:46,310 --> 00:08:43,839
keep missing the earth so we're actually

156
00:08:48,230 --> 00:08:46,320
in a free fall the whole time so we do

157
00:08:58,550 --> 00:08:48,240
have gravity but we're in a free fall

158
00:09:04,150 --> 00:09:00,630
my name is caitlin massey

159
00:09:06,550 --> 00:09:04,160
i am 11 years old and my question is did

160
00:09:10,790 --> 00:09:06,560
someone or something inspire you to

161
00:09:14,230 --> 00:09:12,070
you got that one

162
00:09:16,470 --> 00:09:14,240
sure i think just watching

163
00:09:18,710 --> 00:09:16,480

i i grew up i was about your age in the

164

00:09:20,710 --> 00:09:18,720

middle 1980s and i watched all the

165

00:09:22,550 --> 00:09:20,720

astronauts launch on the space shuttle i

166

00:09:25,670 --> 00:09:22,560

wasn't alive when we went to the moon

167

00:09:27,829 --> 00:09:25,680

but that still was uh really something

168

00:09:30,389 --> 00:09:27,839

neat that was in in the the blood of all

169

00:09:31,990 --> 00:09:30,399

americans was going to the moon and so

170

00:09:33,590 --> 00:09:32,000

between that and watching all these

171

00:09:35,829 --> 00:09:33,600

astronauts fly on the space shuttle i

172

00:09:37,590 --> 00:09:35,839

think those really inspired me

173

00:09:39,350 --> 00:09:37,600

to become an astronaut i remember that

174

00:09:40,949 --> 00:09:39,360

very well for my elementary and middle

175

00:09:50,150 --> 00:09:40,959

school days watching the space shuttle

176

00:09:55,990 --> 00:09:52,470

hi my name is sofia kranz and my

177

00:09:58,630 --> 00:09:56,000

question no sorry hi my name is sophia

178

00:10:01,829 --> 00:09:58,640

kearns and i am eight years old

179

00:10:03,910 --> 00:10:01,839

what happens my question is what happens

180

00:10:07,590 --> 00:10:03,920

when you make a paper airplane and use

181

00:10:11,509 --> 00:10:09,670

that's another good question so i just

182

00:10:14,790 --> 00:10:11,519

happen to have

183

00:10:16,630 --> 00:10:14,800

a paper airplane all ready to go

184

00:10:17,910 --> 00:10:16,640

so i don't really know for sure you know

185

00:10:20,310 --> 00:10:17,920

definitely because i can just hold the

186

00:10:23,030 --> 00:10:20,320

paper airplane here and let it go

187

00:10:24,470 --> 00:10:23,040

and it's still

188

00:10:26,710 --> 00:10:24,480

yeah go there you go right to the side

189

00:10:28,310 --> 00:10:26,720

there and so it still floats it doesn't

190

00:10:29,590 --> 00:10:28,320

need to even throw it to have it float

191

00:10:34,790 --> 00:10:29,600

in the air but let's see what happens

192

00:10:38,470 --> 00:10:37,190

so it still goes it just doesn't need to

193

00:10:40,230 --> 00:10:38,480

actually go

194

00:10:41,670 --> 00:10:40,240

float up but actually i think the wind

195

00:10:43,750 --> 00:10:41,680

we have a little air currents up here

196

00:10:45,190 --> 00:10:43,760

from the fans and i think that causes

197

00:10:53,910 --> 00:10:45,200

more of a difference in where it goes

198

00:10:58,230 --> 00:10:56,150

hi my name is mia pardaby and i'm 12

199

00:11:00,230 --> 00:10:58,240

years old i was wondering are there any

200

00:11:05,750 --> 00:11:00,240

side effects or symptoms to a decrease

201
00:11:10,630 --> 00:11:08,389
that's a great question we work out

202
00:11:12,870 --> 00:11:10,640
about two hours every single day up here

203
00:11:15,190 --> 00:11:12,880
so that we won't lose bone density and

204
00:11:16,710 --> 00:11:15,200
we won't lose muscle mass and i think

205
00:11:18,470 --> 00:11:16,720
i'll have to wait until i get home to

206
00:11:20,389 --> 00:11:18,480
answer this question but i would say

207
00:11:22,389 --> 00:11:20,399
we've got some great systems up here

208
00:11:23,750 --> 00:11:22,399
that prevent those sorts of things so

209
00:11:34,949 --> 00:11:23,760
when we get back hopefully we'll be in

210
00:11:39,430 --> 00:11:37,030
hi my name is andy powell and i make

211
00:11:41,269 --> 00:11:39,440
your droid with no outside air pressure

212
00:11:46,230 --> 00:11:41,279
how do your spaceships keep air pressure

213
00:11:51,750 --> 00:11:49,269

well we have oxygen in our spacesuits

214

00:11:53,670 --> 00:11:51,760

and it stays as you breathe the oxygen

215

00:11:55,590 --> 00:11:53,680

of course you could create carbon

216

00:11:57,350 --> 00:11:55,600

dioxide and we have to get rid of the

217

00:11:59,269 --> 00:11:57,360

carbon dioxide too so we have a little

218

00:12:00,470 --> 00:11:59,279

system with a filter that takes that out

219

00:12:02,470 --> 00:12:00,480

and as you breathe that down the

220

00:12:04,949 --> 00:12:02,480

pressure decreases in your suit and more

221

00:12:06,790 --> 00:12:04,959

oxygen is added into your suit and that

222

00:12:16,949 --> 00:12:06,800

keeps you all safe while you're outside

223

00:12:19,990 --> 00:12:17,829

hi

224

00:12:21,190 --> 00:12:20,000

my name is evelyn young and i am 10

225

00:12:23,990 --> 00:12:21,200

years old

226

00:12:26,470 --> 00:12:24,000

my question is do you have a favorite

227

00:12:29,990 --> 00:12:26,480

object on the iss that we don't usually

228

00:12:33,910 --> 00:12:31,750

we don't usually have on earth that's a

229

00:12:35,509 --> 00:12:33,920

great question and i'm going to cheat a

230

00:12:37,430 --> 00:12:35,519

little bit here and i want to reverse

231

00:12:40,069 --> 00:12:37,440

your question because there's one thing

232

00:12:42,069 --> 00:12:40,079

that we don't have on the iss that makes

233

00:12:43,590 --> 00:12:42,079

this absolutely fantastic for me and

234

00:12:45,829 --> 00:12:43,600

you've been watching it the whole day

235

00:12:48,629 --> 00:12:45,839

but we really don't feel the effect of

236

00:12:50,550 --> 00:12:48,639

gravity and so steve can walk on the

237

00:12:52,389 --> 00:12:50,560

ceiling or the walls

238

00:12:55,269 --> 00:12:52,399

i sleep on the ceiling

239

00:12:57,829 --> 00:12:55,279

alex you saw earlier sleeps on the floor

240

00:12:59,509 --> 00:12:57,839

and with without the effect of gravity

241

00:13:01,509 --> 00:12:59,519

everything becomes interesting just

242

00:13:03,509 --> 00:13:01,519

eating m m's becomes something very

243

00:13:12,069 --> 00:13:03,519

difficult but it's always fun and it

244

00:13:16,710 --> 00:13:14,310

hi my name is trevor street bar my

245

00:13:18,069 --> 00:13:16,720

question is does music get affected or

246

00:13:23,110 --> 00:13:18,079

in other words

247

00:13:28,310 --> 00:13:25,910

yeah well where we are

248

00:13:29,829 --> 00:13:28,320

in this space station the atmosphere is

249

00:13:31,829 --> 00:13:29,839

just like it is on ground we have the

250

00:13:33,990 --> 00:13:31,839

same composition the same pressure so

251
00:13:35,910 --> 00:13:34,000
here it sounds the same but if you're

252
00:13:37,110 --> 00:13:35,920
outside like in a spacewalk things do

253
00:13:38,389 --> 00:13:37,120
sound different actually because you

254
00:13:40,470 --> 00:13:38,399
have such a low pressure in the

255
00:13:42,310 --> 00:13:40,480
spacesuit so it actually is a little

256
00:13:51,030 --> 00:13:42,320
different then but in here i think it's

257
00:13:55,509 --> 00:13:53,189
hi my name is julia kearns and i'm 10

258
00:13:57,750 --> 00:13:55,519
years old my question is in the space

259
00:13:59,269 --> 00:13:57,760
station how long did it take to get your

260
00:14:03,910 --> 00:13:59,279
training and what did you study in

261
00:14:07,189 --> 00:14:05,350
so my training to get to the space

262
00:14:08,230 --> 00:14:07,199
station lasted about two and a half

263
00:14:10,069 --> 00:14:08,240

years

264

00:14:12,389 --> 00:14:10,079

and i have to say

265

00:14:15,030 --> 00:14:12,399

that all two and a half years i had

266

00:14:16,629 --> 00:14:15,040

gravity and so the first day that i got

267

00:14:18,310 --> 00:14:16,639

up to the space station without gravity

268

00:14:20,310 --> 00:14:18,320

it was as if i had never trained for

269

00:14:22,949 --> 00:14:20,320

anything everything was confusing and

270

00:14:24,470 --> 00:14:22,959

difficult uh but now that i've been up

271

00:14:26,470 --> 00:14:24,480

here for almost a month everything kind

272

00:14:28,710 --> 00:14:26,480

of feels like home so that was great and

273

00:14:30,310 --> 00:14:28,720

my major in college was engineering and

274

00:14:38,870 --> 00:14:30,320

specifically computers and

275

00:14:43,269 --> 00:14:41,110

hi i'm matthew fitzgerald and i'm 12

276

00:14:48,790 --> 00:14:43,279

years old my question for you is how do

277

00:14:52,069 --> 00:14:50,470

well that's a good question one of our

278

00:14:54,310 --> 00:14:52,079

crewmates with russian

279

00:14:56,150 --> 00:14:54,320

had his birthday while we were up here

280

00:14:57,670 --> 00:14:56,160

and we had a little party for him that's

281

00:14:59,829 --> 00:14:57,680

about all you really can do is have a

282

00:15:01,590 --> 00:14:59,839

party and we gave him gifts of course we

283

00:15:03,430 --> 00:15:01,600

didn't have many gifts to give we're not

284

00:15:05,910 --> 00:15:03,440

like we brought much up so we crowded up

285

00:15:07,670 --> 00:15:05,920

all his favorite foods we could find and

286

00:15:09,269 --> 00:15:07,680

presented him with that for the evening

287

00:15:10,629 --> 00:15:09,279

so he had the best meal he could

288

00:15:21,350 --> 00:15:10,639

possibly have up here and that's what we

289

00:15:26,230 --> 00:15:23,910

hi my name is ellie o'brien and my

290

00:15:31,590 --> 00:15:26,240

question for you is how do plants grow

291

00:15:35,030 --> 00:15:33,269

well at first we had trouble growing

292

00:15:37,670 --> 00:15:35,040

plants in space but

293

00:15:40,389 --> 00:15:37,680

steve just finished an experiment about

294

00:15:42,710 --> 00:15:40,399

a week ago where he grew some amazing

295

00:15:44,150 --> 00:15:42,720

lettuce it it got just as big as on

296

00:15:46,470 --> 00:15:44,160

earth in fact maybe even a little bit

297

00:15:48,230 --> 00:15:46,480

bigger and uh

298

00:15:50,470 --> 00:15:48,240

we weren't really supposed to eat it but

299

00:15:52,310 --> 00:15:50,480

it tasted fantastic if i had sampled it

300

00:15:53,910 --> 00:15:52,320

no no no no

301
00:15:57,030 --> 00:15:53,920
and then one of our russian crew members

302
00:16:00,310 --> 00:15:57,040
just grew a beautiful onion and so it is

303
00:16:02,389 --> 00:16:00,320
possible they they do grow and uh so far

304
00:16:11,269 --> 00:16:02,399
to us it looks like they're at least as

305
00:16:15,990 --> 00:16:13,670
hi my name is maya kanan

306
00:16:18,150 --> 00:16:16,000
i'm nine years old we watched a video

307
00:16:20,069 --> 00:16:18,160
that showed astronauts after the return

308
00:16:22,629 --> 00:16:20,079
to earth and they were being carried

309
00:16:24,710 --> 00:16:22,639
from the spacecraft why can't you walk

310
00:16:29,110 --> 00:16:24,720
on earth and how long does it take to

311
00:16:33,269 --> 00:16:31,030
that's a good question everybody's a

312
00:16:34,629 --> 00:16:33,279
little different in how they adapt going

313
00:16:35,670 --> 00:16:34,639

back to earth and how they adapt coming

314

00:16:37,509 --> 00:16:35,680

up here

315

00:16:39,829 --> 00:16:37,519

there's two issues we have there one is

316

00:16:41,509 --> 00:16:39,839

the strength of the muscles and the

317

00:16:42,870 --> 00:16:41,519

bones and that's what we're working on

318

00:16:44,150 --> 00:16:42,880

to make sure that's all good and i think

319

00:16:46,949 --> 00:16:44,160

we've got that one pretty much under

320

00:16:49,350 --> 00:16:46,959

control but the second issue is called

321

00:16:51,110 --> 00:16:49,360

kind of your balance system and how well

322

00:16:52,629 --> 00:16:51,120

does that work because we're up here

323

00:16:53,910 --> 00:16:52,639

there's a thing in your inner ear that

324

00:16:56,069 --> 00:16:53,920

helps you keep your balance when you're

325

00:16:57,829 --> 00:16:56,079

on the ground it senses gravity or up

326

00:16:58,870 --> 00:16:57,839

here it doesn't really work so well and

327

00:17:01,350 --> 00:16:58,880

it kind of has to get out of the

328

00:17:03,189 --> 00:17:01,360

equation we go back to ground and it has

329

00:17:04,789 --> 00:17:03,199

to start processing again and put it all

330

00:17:06,470 --> 00:17:04,799

together again and it kind of makes you

331

00:17:08,309 --> 00:17:06,480

a little wobbly and dizzy when you first

332

00:17:10,549 --> 00:17:08,319

come back that's why they don't walk

333

00:17:12,309 --> 00:17:10,559

right away but some people within 15

334

00:17:13,669 --> 00:17:12,319

minutes are walking around fine and some

335

00:17:22,789 --> 00:17:13,679

people it takes a couple days before

336

00:17:29,029 --> 00:17:26,390

hi my name is dan and i'm 53 years old

337

00:17:30,870 --> 00:17:29,039

and i was looking at your expedition 40

338

00:17:32,630 --> 00:17:30,880

patch and i noticed there's a cargo ship

339

00:17:33,750 --> 00:17:32,640

on it but it's not the really good

340

00:17:35,430 --> 00:17:33,760

looking one

341

00:17:37,029 --> 00:17:35,440

that brings all the cargo up to you and

342

00:17:38,950 --> 00:17:37,039

i'm wondering why you chose

343

00:17:49,990 --> 00:17:38,960

the lesser of the two cargo ships to put

344

00:17:55,510 --> 00:17:53,830

dan uh 53 years old from uh virginia or

345

00:17:57,430 --> 00:17:55,520

maryland i forget exactly where i'm

346

00:17:59,669 --> 00:17:57,440

gonna have to let commander of the space

347

00:18:02,070 --> 00:17:59,679

station steve swanson answer your very

348

00:18:03,830 --> 00:18:02,080

very difficult question

349

00:18:05,350 --> 00:18:03,840

dan it's good to hear your voice i hope

350

00:18:07,350 --> 00:18:05,360

things are going well

351
00:18:09,830 --> 00:18:07,360
and dan the reason that one's on there

352
00:18:11,669 --> 00:18:09,840
versus the other fantastic vehicle that

353
00:18:13,830 --> 00:18:11,679
is going to come up here soon

354
00:18:23,270 --> 00:18:13,840
is that one maybe one day could carry

355
00:18:28,230 --> 00:18:25,750
hi my name is madeline assad i'm 12

356
00:18:29,750 --> 00:18:28,240
years old and i was just wondering why

357
00:18:34,710 --> 00:18:29,760
do you have that stuffed animal giraffe

358
00:18:39,270 --> 00:18:36,630
uh this is actually this belong i have

359
00:18:40,950 --> 00:18:39,280
two uh little girls uh one eight and one

360
00:18:43,029 --> 00:18:40,960
six years old so i love talking to all

361
00:18:45,510 --> 00:18:43,039
of you because you all remind me of them

362
00:18:46,950 --> 00:18:45,520
and i miss them but this is their their

363
00:18:49,669 --> 00:18:46,960

toy it was the first toy that my

364

00:18:51,669 --> 00:18:49,679

eight-year-old ever got and uh when we

365

00:18:52,710 --> 00:18:51,679

launch in a russian spaceship that's how

366

00:18:54,630 --> 00:18:52,720

we get up here we launch with the

367

00:18:56,710 --> 00:18:54,640

russians and they have this long

368

00:18:58,549 --> 00:18:56,720

tradition since 1961 of hanging a

369

00:19:00,390 --> 00:18:58,559

stuffed animal with them in their

370

00:19:01,590 --> 00:19:00,400

capsule when they launched and so my

371

00:19:03,190 --> 00:19:01,600

commander

372

00:19:04,870 --> 00:19:03,200

he knew i had two little girls and he

373

00:19:06,950 --> 00:19:04,880

said if you want to fly one of their

374

00:19:08,549 --> 00:19:06,960

stuffed animals in our spaceship then

375

00:19:10,310 --> 00:19:08,559

that would be great and so he let me do

376

00:19:12,390 --> 00:19:10,320

it and now i keep it with me and i

377

00:19:13,990 --> 00:19:12,400

figured since we were speaking to some

378

00:19:16,070 --> 00:19:14,000

some younger students today that would

379

00:19:17,830 --> 00:19:16,080

be great to have giraffity along to kind

380

00:19:19,669 --> 00:19:17,840

of demonstrate weightlessness

381

00:19:23,750 --> 00:19:19,679

but for me it's a it's a great keepsake

382

00:19:27,669 --> 00:19:25,909

hi my name is ethan tucker and i'm 12

383

00:19:33,190 --> 00:19:27,679

years old what has been your favorite

384

00:19:35,909 --> 00:19:34,789

favorite experience that's another good

385

00:19:37,510 --> 00:19:35,919

question

386

00:19:40,470 --> 00:19:37,520

just being here is a great experience

387

00:19:43,270 --> 00:19:40,480

again as reid pointed out the floating

388

00:19:45,029 --> 00:19:43,280

in here is just fantastic you really

389

00:19:47,350 --> 00:19:45,039

the way i look at it it's

390

00:19:48,789 --> 00:19:47,360

being a kid and finding the best

391

00:19:50,710 --> 00:19:48,799

playground you could ever find in the

392

00:19:52,549 --> 00:19:50,720

world and you get to live there so it's

393

00:19:53,669 --> 00:19:52,559

a really fun time with this

394

00:19:54,950 --> 00:19:53,679

but the other

395

00:19:56,710 --> 00:19:54,960

event probably though was doing a

396

00:19:58,310 --> 00:19:56,720

spacewalk and that was another fantastic

397

00:20:05,830 --> 00:19:58,320

thing to do that's probably those are my

398

00:20:23,190 --> 00:20:07,990

thank you we've had a great time talking