



PORTABLE BREATHING APPARATUS

To NOD 3

To NOD 3

1
00:00:06,580 --> 00:00:03,199
station this is Sandy Hook Elementary

2
00:00:10,759 --> 00:00:08,810
Sandy Hook Elementary we hear you loud

3
00:00:22,370 --> 00:00:10,769
and clear welcome to this International

4
00:00:23,900 --> 00:00:22,380
Space Station we're gonna begin right

5
00:00:26,359 --> 00:00:23,910
with our questions we're gonna bring

6
00:00:29,079 --> 00:00:26,369
some great kids up here that are gonna

7
00:00:32,089 --> 00:00:29,089
ask you some questions

8
00:00:34,069 --> 00:00:32,099
my name is Austin and this question is

9
00:00:39,500 --> 00:00:34,079
for Rick how do you wash and brush your

10
00:00:41,900 --> 00:00:39,510
hair and space hey that's a great

11
00:00:43,369 --> 00:00:41,910
question how do we wash our hair first

12
00:00:45,319 --> 00:00:43,379
of all I don't have a whole lot of hair

13
00:00:47,000 --> 00:00:45,329

so it's pretty easy but basically it's

14

00:00:49,130 --> 00:00:47,010

not unlike how you do it on the ground

15

00:00:50,840 --> 00:00:49,140

we have a shampoo and we wash it with a

16

00:00:52,099 --> 00:00:50,850

shampoo but instead of rinsing it

17

00:00:54,259 --> 00:00:52,109

because we don't have any running water

18

00:01:01,669 --> 00:00:54,269

we just wipe it dry with a towel it's

19

00:01:08,649 --> 00:01:01,679

called a no rinse shampoo this question

20

00:01:13,550 --> 00:01:11,420

sleeping on the ISS is very similar to

21

00:01:15,560 --> 00:01:13,560

camping we have an area it's about the

22

00:01:17,749 --> 00:01:15,570

size of a tent which is our little home

23

00:01:19,520 --> 00:01:17,759

we have or a little room for us and in

24

00:01:21,410 --> 00:01:19,530

there we have a sleeping bag and that's

25

00:01:22,940 --> 00:01:21,420

what we sleep in a sleeping bag and it's

26

00:01:31,850 --> 00:01:22,950

really a nice sleep I felt very

27

00:01:33,920 --> 00:01:31,860

comfortable when I sleep Rick you do my

28

00:01:36,469 --> 00:01:33,930

name is Caroline this question is for

29

00:01:43,210 --> 00:01:36,479

Rick how do you move around the ISS with

30

00:01:44,740 --> 00:01:43,220

microgravity hey that's a great

31

00:01:46,360 --> 00:01:44,750

question it's a lot of fun to move

32

00:01:48,520 --> 00:01:46,370

around the space station you know we can

33

00:01:50,410 --> 00:01:48,530

we can do all kinds of things out here

34

00:01:52,270 --> 00:01:50,420

we could flip upside down we could flip

35

00:01:53,890 --> 00:01:52,280

right-side up you know moving around the

36

00:01:56,500 --> 00:01:53,900

International Space Station is very easy

37

00:01:57,820 --> 00:01:56,510

because there's no gravity so it's a lot

38

00:02:08,260 --> 00:01:57,830

of fun you could fly around like you're

39

00:02:14,830 --> 00:02:08,270

Superman almost can you explain how the

40

00:02:17,770 --> 00:02:14,840

shower and toilet facilities work the

41

00:02:19,449 --> 00:02:17,780

shower yes it comes right here it's

42

00:02:22,510 --> 00:02:19,459

basically a towel which we put some hot

43

00:02:25,480 --> 00:02:22,520

water in and after that yeah we just do

44

00:02:26,830 --> 00:02:25,490

a normal take a towel and wipe it all

45

00:02:28,330 --> 00:02:26,840

over your body just like you would a

46

00:02:30,610 --> 00:02:28,340

sponge so it's kind of like a sponge

47

00:02:32,320 --> 00:02:30,620

bath for us that's for the bathroom

48

00:02:34,060 --> 00:02:32,330

that's a little bit different the way I

49

00:02:36,400 --> 00:02:34,070

like to think about it think of as a

50

00:02:47,229 --> 00:02:36,410

vacuum hose sucking down and that's

51
00:02:49,030 --> 00:02:47,239
where you got to aim and this question

52
00:02:52,330 --> 00:02:49,040
is for Rick what kinds of preparations

53
00:02:57,660 --> 00:02:52,340
do you make for safety issues for

54
00:03:02,140 --> 00:03:00,490
yeah we trained quite a bit for

55
00:03:03,520 --> 00:03:02,150
emergencies up here because a lot of

56
00:03:05,620 --> 00:03:03,530
things can go wrong it's a you know it's

57
00:03:08,110 --> 00:03:05,630
a space is a very dangerous place we

58
00:03:09,520 --> 00:03:08,120
trained for fires when before we

59
00:03:11,440 --> 00:03:09,530
launched we trained to how to put out a

60
00:03:13,509 --> 00:03:11,450
fire and of course just like in your

61
00:03:14,710 --> 00:03:13,519
house or in any building on the planet

62
00:03:16,810 --> 00:03:14,720
Earth they have we have fire

63
00:03:18,370 --> 00:03:16,820

extinguishers up here so we would use

64

00:03:20,860 --> 00:03:18,380

those fire extinguishers and we also

65

00:03:22,060 --> 00:03:20,870

have gas master or oxygen masks if

66

00:03:24,250 --> 00:03:22,070

there's too much smoke we've put on

67

00:03:25,840 --> 00:03:24,260

those oxygen masks and if the fire gets

68

00:03:28,330 --> 00:03:25,850

really bad we have to leave the space

69

00:03:29,740 --> 00:03:28,340

station we have our Soyuz rescue ship

70

00:03:37,380 --> 00:03:29,750

that we get in the ship and we could fly

71

00:03:45,070 --> 00:03:41,710

my name is Adam and this question is for

72

00:03:47,590 --> 00:03:45,080

Steve do you have rules about how to get

73

00:03:52,570 --> 00:03:47,600

along and resolve conflicts who makes

74

00:03:56,560 --> 00:03:52,580

the rules and how are they enforced Rick

75

00:04:00,550 --> 00:03:56,570

makes the rules and and and enforces

76

00:04:02,440 --> 00:04:00,560

them to on this station but that is not

77

00:04:04,300 --> 00:04:02,450

really all that we do it has to be more

78

00:04:06,790 --> 00:04:04,310

of an the golden rules what we live by

79

00:04:08,830 --> 00:04:06,800

up here just do unto others as you would

80

00:04:19,240 --> 00:04:08,840

have them do to you and it works out

81

00:04:25,480 --> 00:04:19,250

quite well up here can you show us any

82

00:04:27,640 --> 00:04:25,490

of your missions experiments yeah we do

83

00:04:29,200 --> 00:04:27,650

a lot of experiments up here one of the

84

00:04:31,540 --> 00:04:29,210

experiments we have a lot of fun with is

85

00:04:33,040 --> 00:04:31,550

called spheres it's basically a series

86

00:04:34,870 --> 00:04:33,050

of satellites we have three little

87

00:04:37,000 --> 00:04:34,880

satellites like this and these

88

00:04:38,470 --> 00:04:37,010

satellites the the scientists and the

89

00:04:40,120 --> 00:04:38,480

engineers down on the planet Earth are

90

00:04:42,190 --> 00:04:40,130

doing research to see how to control

91

00:04:43,800 --> 00:04:42,200

these satellites these little guys they

92

00:04:45,880 --> 00:04:43,810

fly around inside the space station

93

00:04:47,560 --> 00:04:45,890

someday they may be able to be fly

94

00:04:49,900 --> 00:04:47,570

around and kind of help us maybe carry

95

00:04:52,180 --> 00:04:49,910

our tools for us or maybe hold a camera

96

00:04:53,650 --> 00:04:52,190

for us and then maybe some days little

97

00:04:55,360 --> 00:04:53,660

satellites like this can even fly around

98

00:05:06,370 --> 00:04:55,370

outside the space station so we have a

99

00:05:11,470 --> 00:05:06,380

lot of fun with these little guys show

100

00:05:15,730 --> 00:05:11,480

us how you drink liquid that's a good

101
00:05:18,940 --> 00:05:15,740
question yes I can we drink liquids out

102
00:05:20,200 --> 00:05:18,950
of bags and we have a straw for that bag

103
00:05:23,260 --> 00:05:20,210
and the special thing about this straw

104
00:05:25,570 --> 00:05:23,270
it has a piece of equipment on it that

105
00:05:27,550 --> 00:05:25,580
can stop the flow so you don't keep

106
00:05:29,740 --> 00:05:27,560
having water come out because if it

107
00:05:31,030 --> 00:05:29,750
would if we didn't have that on there

108
00:05:32,590 --> 00:05:31,040
why would just keep coming out every

109
00:05:34,480 --> 00:05:32,600
time we grab the bag and we make a big

110
00:05:39,740 --> 00:05:34,490
mess so that's a very important part of

111
00:05:44,670 --> 00:05:42,629
my name is Jocelyn and this question is

112
00:05:51,020 --> 00:05:44,680
for Rick can you show us how you eat

113
00:05:55,200 --> 00:05:53,580

yeah the food up here is there's several

114

00:05:57,210 --> 00:05:55,210
different types of food Steve can

115

00:05:59,970 --> 00:05:57,220
demonstrate it for us this is the this

116

00:06:03,000 --> 00:05:59,980
is dehydrated food so this is uh what do

117

00:06:05,040 --> 00:06:03,010
we have noodles and chicken so all the

118

00:06:06,420 --> 00:06:05,050
water and all the air has been taken out

119

00:06:08,490 --> 00:06:06,430
of the food and it's just hard as a rock

120

00:06:10,350 --> 00:06:08,500
and then what we'll do is we'll add the

121

00:06:12,540 --> 00:06:10,360
water back and we'll mush it around and

122

00:06:14,310 --> 00:06:12,550
it'll be almost like good as new

123

00:06:15,300 --> 00:06:14,320
the other type of week of food we have

124

00:06:17,760 --> 00:06:15,310
is kind of like the food they eat

125

00:06:20,040 --> 00:06:17,770
probably in the military these are its

126

00:06:22,080 --> 00:06:20,050

thermal stabilized irradiated food so

127

00:06:23,850 --> 00:06:22,090

it's basically food in an envelope we

128

00:06:26,070 --> 00:06:23,860

put it in a little heater we warm it up

129

00:06:27,659 --> 00:06:26,080

we open it up and we eat it and of

130

00:06:30,240 --> 00:06:27,669

course we have food in the natural form

131

00:06:44,880 --> 00:06:30,250

like we have cookies and granola bars

132

00:06:47,520 --> 00:06:44,890

and things like that to eat also oh man

133

00:06:49,440 --> 00:06:47,530

that's a that's a good one we have a

134

00:06:51,060 --> 00:06:49,450

couple different type of trash bags we

135

00:06:54,270 --> 00:06:51,070

have one over here Rick's gonna show us

136

00:06:55,560 --> 00:06:54,280

we call this for normal like dry trash

137

00:06:57,600 --> 00:06:55,570

things that aren't gonna be wet and

138

00:06:59,100 --> 00:06:57,610

stinky and that's what we put in this

139

00:07:01,380 --> 00:06:59,110

trash bag and then we have another one

140

00:07:03,330 --> 00:07:01,390

which is smaller but more of it can seal

141

00:07:05,219 --> 00:07:03,340

up and that's what we use for the wet

142

00:07:07,529 --> 00:07:05,229

and stinky trash and then all that goes

143

00:07:09,150 --> 00:07:07,539

into a big bag which we then put in one

144

00:07:09,719 --> 00:07:09,160

of the cargo vehicles that's going back

145

00:07:11,340 --> 00:07:09,729

down

146

00:07:12,719 --> 00:07:11,350

that doesn't take anything precious

147

00:07:14,310 --> 00:07:12,729

because it's going to burn up on the way

148

00:07:15,840 --> 00:07:14,320

in and so that's what we put all our

149

00:07:18,900 --> 00:07:15,850

trash in there and it just burns up on

150

00:07:23,400 --> 00:07:18,910

the way back and it's a recycled in that

151
00:07:25,920 --> 00:07:23,410
way my name is Tanya and this question

152
00:07:28,860 --> 00:07:25,930
is for work we read that each astronaut

153
00:07:31,020 --> 00:07:28,870
has to keep the packs personal items to

154
00:07:33,990 --> 00:07:31,030
a maximum of two pounds what kinds of

155
00:07:39,240 --> 00:07:34,000
personal items did you bring with you on

156
00:07:41,130 --> 00:07:39,250
this trip yeah that's a good question

157
00:07:42,990 --> 00:07:41,140
your that's exactly right we don't have

158
00:07:45,600 --> 00:07:43,000
our the spaceship that we come up with

159
00:07:47,730 --> 00:07:45,610
in the rocket ship every ounce or every

160
00:07:49,350 --> 00:07:47,740
pound is very very expensive to launch

161
00:07:51,510 --> 00:07:49,360
it into orbit so we only are allowed

162
00:07:53,580 --> 00:07:51,520
very few personal items of course

163
00:07:55,740 --> 00:07:53,590

I got pictures of my family I've got

164

00:07:57,839 --> 00:07:55,750

some I've got you know my watch I've got

165

00:07:59,520 --> 00:07:57,849

my ring for my wife I've got little

166

00:08:01,890 --> 00:07:59,530

pieces of jewelry for friends and family

167

00:08:03,950 --> 00:08:01,900

of course we have a few items like for

168

00:08:06,149 --> 00:08:03,960

example we have this school t-shirt from

169

00:08:07,830 --> 00:08:06,159

Sandy Hook school that we were able to

170

00:08:09,749 --> 00:08:07,840

bring up and we'll return to you guys

171

00:08:11,490 --> 00:08:09,759

when we get home so we get to bring a

172

00:08:30,749 --> 00:08:11,500

few personal items up here things like

173

00:08:35,760 --> 00:08:30,759

that then what kind of training did you

174

00:08:37,889 --> 00:08:35,770

need for me my inspiration happens to

175

00:08:40,469 --> 00:08:37,899

peep at least our track I used to watch

176

00:08:42,990 --> 00:08:40,479

that as a kid all the time and I just

177

00:08:44,490 --> 00:08:43,000

fell in love with space at that time for

178

00:08:47,790 --> 00:08:44,500

what you have to do to become an

179

00:08:49,980 --> 00:08:47,800

astronaut that's mostly working hard in

180

00:08:52,730 --> 00:08:49,990

school just doing what your parents tell

181

00:09:01,350 --> 00:08:52,740

you to do work hard get good grades and

182

00:09:02,819 --> 00:09:01,360

just be the best person you can be this

183

00:09:10,530 --> 00:09:02,829

question is for rich

184

00:09:12,600 --> 00:09:10,540

are there any pets aboard the ISS well

185

00:09:15,780 --> 00:09:12,610

we don't have any pets but we do have

186

00:09:18,180 --> 00:09:15,790

visitors on occasion like Macy was it

187

00:09:20,430 --> 00:09:18,190

two months ago we had a colony of ants

188

00:09:22,710 --> 00:09:20,440

come up here and it was actually a

189

00:09:24,810 --> 00:09:22,720

research project in part and also an

190

00:09:26,400 --> 00:09:24,820

educational event and students around

191

00:09:28,079 --> 00:09:26,410

the country and around the world where

192

00:09:29,250 --> 00:09:28,089

we were videotaping these ants as we

193

00:09:30,720 --> 00:09:29,260

released them into a bigger a bigger

194

00:09:32,100 --> 00:09:30,730

area of course they were in a container

195

00:09:33,600 --> 00:09:32,110

a container and they couldn't get out

196

00:09:35,010 --> 00:09:33,610

but we released him into a bigger and

197

00:09:36,510 --> 00:09:35,020

bigger areas and these ants would go out

198

00:09:39,090 --> 00:09:36,520

and forage and we were kind of studying

199

00:09:40,949 --> 00:09:39,100

how does the ant forage in a weightless

200

00:09:42,930 --> 00:09:40,959

environment compared to how he forages

201
00:09:45,540 --> 00:09:42,940
on I invite you know on the earth with

202
00:09:46,710 --> 00:09:45,550
gravity so we don't really have any pets

203
00:09:48,720 --> 00:09:46,720
but every once in a while we do get a

204
00:09:52,630 --> 00:09:48,730
visitor of some kind as part of an

205
00:09:57,770 --> 00:09:55,730
my name is Sam and this question is for

206
00:10:03,440 --> 00:09:57,780
Steve how long does it take to put on

207
00:10:05,240 --> 00:10:03,450
the spacesuit yeah how long does it put

208
00:10:06,830 --> 00:10:05,250
on a spacesuit that's a good question it

209
00:10:10,370 --> 00:10:06,840
isn't very easy just to go out the door

210
00:10:13,190 --> 00:10:10,380
it takes a few hours in total to put the

211
00:10:14,870 --> 00:10:13,200
whole thing all on and ready to go but

212
00:10:16,760 --> 00:10:14,880
actually just the space to itself is a

213
00:10:19,550 --> 00:10:16,770

little less than an hour but because you

214

00:10:21,590 --> 00:10:19,560

have to put on along underwear then a

215

00:10:23,810 --> 00:10:21,600

thermal garment and then the suit itself

216

00:10:25,460 --> 00:10:23,820

it comes in two pants and a top part and

217

00:10:27,320 --> 00:10:25,470

the helmet and the gloves and you have

218

00:10:35,480 --> 00:10:27,330

to make sure it's all sealed up just

219

00:10:42,530 --> 00:10:37,280

what do you do for entertainment can you

220

00:10:44,390 --> 00:10:42,540

watch movies or play games all for

221

00:10:46,160 --> 00:10:44,400

entertainment yes we do watch some

222

00:10:47,810 --> 00:10:46,170

movies and some TV up here they get

223

00:10:50,630 --> 00:10:47,820

recorded and we get them shipped up to

224

00:10:52,100 --> 00:10:50,640

us and that's very nice to help us kind

225

00:10:54,920 --> 00:10:52,110

of relax up here

226

00:10:57,530 --> 00:10:54,930

people something do read books um and I

227

00:10:58,970 --> 00:10:57,540

guess that's good to do but I think my

228

00:11:04,490 --> 00:10:58,980

favorite pastime is looking out the

229

00:11:06,530 --> 00:11:04,500

window my name is Chris and this

230

00:11:08,810 --> 00:11:06,540

question is for Rick what type of

231

00:11:16,340 --> 00:11:08,820

equipment is needed for a spacewalk

232

00:11:17,750 --> 00:11:16,350

besides a spacesuit okay so the probably

233

00:11:20,270 --> 00:11:17,760

the piece of equipment that we use the

234

00:11:22,910 --> 00:11:20,280

most is these calls a PGT it's basically

235

00:11:24,410 --> 00:11:22,920

a drill driver you've seen them at you

236

00:11:25,910 --> 00:11:24,420

know Home Depot you probably got them in

237

00:11:28,250 --> 00:11:25,920

your house and you've seen them all over

238

00:11:30,350 --> 00:11:28,260

the place basically to to tighten bolts

239

00:11:31,760 --> 00:11:30,360

and this tool right here is the tool

240

00:11:33,680 --> 00:11:31,770

that we used actually to build the

241

00:11:34,790 --> 00:11:33,690

International Space Station but the

242

00:11:36,140 --> 00:11:34,800

other thing you got to think of is up

243

00:11:38,329 --> 00:11:36,150

here in a weightless environment things

244

00:11:40,730 --> 00:11:38,339

float away all the time so we have to

245

00:11:42,320 --> 00:11:40,740

tether everything so this tether right

246

00:11:44,510 --> 00:11:42,330

here is kind of like you know when you

247

00:11:46,520 --> 00:11:44,520

take your dog for a walk on a leash it's

248

00:11:48,980 --> 00:11:46,530

a retractable tether it's very similar

249

00:11:51,079 --> 00:11:48,990

to that so if if the tool kind of flies

250

00:11:52,760 --> 00:11:51,089

away it comes right back to you every

251
00:11:54,290 --> 00:11:52,770
time so it's very important not to lose

252
00:11:55,700 --> 00:11:54,300
our tools up here because you know we

253
00:11:59,030 --> 00:11:55,710
just can't go to Home Depot and buy a

254
00:12:03,860 --> 00:12:01,640
my name is Lily and this is a question

255
00:12:11,540 --> 00:12:03,870
for Rick what do you do about first date

256
00:12:13,010 --> 00:12:11,550
is their first date station first aid on

257
00:12:15,140 --> 00:12:13,020
Space Station that's a good question

258
00:12:17,720 --> 00:12:15,150
yeah actually every one of us is trained

259
00:12:19,430 --> 00:12:17,730
as a first-aid responder and even more

260
00:12:20,720 --> 00:12:19,440
than that we have a lot of training and

261
00:12:22,430 --> 00:12:20,730
how to take care of each other if

262
00:12:23,990 --> 00:12:22,440
there's an emergency of some kind if

263
00:12:25,910 --> 00:12:24,000

somebody is choking or if somebody hurts

264

00:12:27,560 --> 00:12:25,920

themselves or cuts themselves and we

265

00:12:29,330 --> 00:12:27,570

have all kinds of medical equipment up

266

00:12:30,980 --> 00:12:29,340

here we have bags of a medical equipment

267

00:12:32,570 --> 00:12:30,990

and we're trained how to use it but the

268

00:12:34,340 --> 00:12:32,580

most important thing is we have a doctor

269

00:12:35,750 --> 00:12:34,350

in in Houston in the Mission Control

270

00:12:37,760 --> 00:12:35,760

room there's a doctor sitting there

271

00:12:39,320 --> 00:12:37,770

almost all the time and if we have a

272

00:12:41,570 --> 00:12:39,330

question or if we don't feel good we can

273

00:12:42,980 --> 00:12:41,580

call up the doctor and ask him you know

274

00:12:44,480 --> 00:12:42,990

for some help and he'll help us

275

00:13:03,770 --> 00:12:44,490

basically like calling them on the phone

276

00:13:06,080 --> 00:13:03,780

he'll tell us what to do private time I

277

00:13:08,390 --> 00:13:06,090

guess that would be my little tent area

278

00:13:10,370 --> 00:13:08,400

always where we sleep that's our kind of

279

00:13:13,190 --> 00:13:10,380

little our room which we keep it with I

280

00:13:15,740 --> 00:13:13,200

say our pictures on it of our family and

281

00:13:17,030 --> 00:13:15,750

just as what we get to do of where we

282

00:13:19,340 --> 00:13:17,040

can be alone on station

283

00:13:21,110 --> 00:13:19,350

besides that sometimes you can it's big

284

00:13:22,940 --> 00:13:21,120

enough on station you can find a module

285

00:13:24,230 --> 00:13:22,950

to be by yourself if you want to and

286

00:13:25,580 --> 00:13:24,240

hopefully sometimes you get to even look

287

00:13:28,010 --> 00:13:25,590

out the window by yourself that's kind

288

00:13:43,040 --> 00:13:28,020

of a nice fulfilling to kind of reflect

289

00:13:44,510 --> 00:13:43,050

on things at that time yes the universal

290

00:13:46,160 --> 00:13:44,520

language or the language that all the

291

00:13:47,990 --> 00:13:46,170

international partners because right now

292

00:13:49,940 --> 00:13:48,000

we have Russian cosmonauts up here we

293

00:13:51,710 --> 00:13:49,950

have a Japanese astronaut and then we

294

00:13:53,090 --> 00:13:51,720

got Steve and I from the United States

295

00:13:54,500 --> 00:13:53,100

so we've got three different countries

296

00:13:56,660 --> 00:13:54,510

represented right here but we also have

297

00:13:59,480 --> 00:13:56,670

many folks from Europe we have Canadians

298

00:14:00,980 --> 00:13:59,490

and of course you know the European

299

00:14:02,780 --> 00:14:00,990

speak all different languages over there

300

00:14:05,420 --> 00:14:02,790

but basically the agreed upon language

301
00:14:07,430 --> 00:14:05,430
is English so most everyone speaks

302
00:14:09,410 --> 00:14:07,440
English very very well and then of

303
00:14:11,240 --> 00:14:09,420
course since we're flying up on a

304
00:14:12,690 --> 00:14:11,250
Russian vehicle to get to the space

305
00:14:15,180 --> 00:14:12,700
station Steve and I had to learn

306
00:14:17,040 --> 00:14:15,190
Russian to fly in the Russian vehicle so

307
00:14:23,880 --> 00:14:17,050
but mostly English and Russian are

308
00:14:25,830 --> 00:14:23,890
spoken up here hi my name is Isaiah and

309
00:14:27,840 --> 00:14:25,840
this question is for Steve what is the

310
00:14:29,670 --> 00:14:27,850
para source of the space station and is

311
00:14:33,860 --> 00:14:29,680
it an autopilot or doesn't astronaut

312
00:14:39,300 --> 00:14:37,140
that's a good question really yes - that

313
00:14:41,790 --> 00:14:39,310

does not fly it it's mostly it has like

314

00:14:43,680 --> 00:14:41,800

an autopilot system I would say but the

315

00:14:45,480 --> 00:14:43,690

ground the Mission Control team takes

316

00:14:47,790 --> 00:14:45,490

care of that for us they make sure it's

317

00:14:49,290 --> 00:14:47,800

working properly and we're going in the

318

00:14:51,240 --> 00:14:49,300

right direction and if we do have to do

319

00:14:58,010 --> 00:14:51,250

a maneuver they also set that up for us

320

00:14:58,020 --> 00:15:04,730

how do you brush your teeth

321

00:15:08,820 --> 00:15:07,410

yeah brushing our teeth is basically not

322

00:15:09,930 --> 00:15:08,830

much different than what you do you know

323

00:15:12,030 --> 00:15:09,940

we have a toothbrush we have a

324

00:15:13,410 --> 00:15:12,040

toothpaste the big difference is is we

325

00:15:15,000 --> 00:15:13,420

don't have a sink you know we don't have

326

00:15:16,320 --> 00:15:15,010

running water down here so what I'll do

327

00:15:18,030 --> 00:15:16,330

is I'll brush my teeth and I'll just

328

00:15:20,970 --> 00:15:18,040

spit the toothpaste into a tissue and

329

00:15:22,380 --> 00:15:20,980

put it into the wet trash so that way

330

00:15:24,030 --> 00:15:22,390

you don't we don't have a sink so that's

331

00:15:27,950 --> 00:15:24,040

basically the best way that I come up

332

00:15:36,600 --> 00:15:34,380

what sort of exercises did you do well

333

00:15:40,770 --> 00:15:36,610

exercise that's a good one we have a

334

00:15:43,110 --> 00:15:40,780

bicycle a treadmill and we also have a

335

00:15:44,130 --> 00:15:43,120

resistive exercise device which means

336

00:15:45,570 --> 00:15:44,140

it's kind of like lifting weights

337

00:15:47,460 --> 00:15:45,580

because you really can't lift weights

338

00:15:48,630 --> 00:15:47,470

here because within things don't float

339

00:15:50,340 --> 00:15:48,640

or things float they don't weigh

340

00:15:52,170 --> 00:15:50,350

anything so we have to have a come-up

341

00:15:53,640 --> 00:15:52,180

the device that was just like lifting

342

00:15:56,070 --> 00:15:53,650

weights and that our engineers did that

343

00:16:03,340 --> 00:15:56,080

it's a very good device so really we

344

00:16:06,939 --> 00:16:05,139

we would like to thank you for taking

345

00:16:08,860 --> 00:16:06,949

this time to be with us and as a special

346

00:16:12,999 --> 00:16:08,870

treat we would like to sing our school

347

00:16:14,860 --> 00:16:13,009

song for you before we conclude today's

348

00:16:16,689 --> 00:16:14,870

event and again we can't thank you

349

00:16:20,340 --> 00:16:16,699

enough for taking the time and teaching

350

00:17:02,820 --> 00:16:22,689

you're very welcome we look forward to

351

00:17:06,900 --> 00:17:05,230

well thank you very much you guys sound

352

00:17:10,150 --> 00:17:06,910

fantastic

353

00:17:13,030 --> 00:17:10,160

thank you for being with us thank you

354

00:17:18,939 --> 00:17:13,040

everybody say thank you for being here