



1
00:00:06,470 --> 00:00:02,470
station this is houston are you ready

2
00:00:11,430 --> 00:00:09,350
i am ready for the event

3
00:00:13,190 --> 00:00:11,440
bullock texas state history museum this

4
00:00:16,150 --> 00:00:13,200
is mission control houston please call

5
00:00:18,710 --> 00:00:16,160
station for a voice check

6
00:00:24,070 --> 00:00:18,720
station this is bullock texas state

7
00:00:24,080 --> 00:00:28,310
i hear you loud and clear how about me

8
00:00:31,910 --> 00:00:29,509
perfect

9
00:00:34,870 --> 00:00:31,920
tim i'm gonna hand you over to james

10
00:00:37,510 --> 00:00:34,880
mcreynolds our public programs manager

11
00:00:40,150 --> 00:00:37,520
and take it from there

12
00:00:44,470 --> 00:00:40,160
hi tim this is james thanks for sounds

13
00:00:44,480 --> 00:00:47,750

it's my pleasure james

14

00:00:52,310 --> 00:00:50,229

well we've got 14 really excited kids

15

00:00:54,470 --> 00:00:52,320

here that want to ask you some questions

16

00:00:56,790 --> 00:00:54,480

but before we do that can you briefly

17

00:01:01,430 --> 00:00:56,800

tell us about your background and your

18

00:01:05,509 --> 00:01:03,830

absolutely you know i i've been here for

19

00:01:07,030 --> 00:01:05,519

about two months but it's actually been

20

00:01:09,910 --> 00:01:07,040

a very long path

21

00:01:12,710 --> 00:01:09,920

to get here i started out working as an

22

00:01:14,950 --> 00:01:12,720

army aviator many years ago and then

23

00:01:17,429 --> 00:01:14,960

after serving a couple of tours

24

00:01:19,830 --> 00:01:17,439

i became an experimental test pilot went

25

00:01:21,990 --> 00:01:19,840

to graduate school and then had the

26

00:01:24,230 --> 00:01:22,000

opportunity to work at nasa and then in

27

00:01:25,429 --> 00:01:24,240

2000 i was selected as an astronaut and

28

00:01:27,270 --> 00:01:25,439

i worked for

29

00:01:29,590 --> 00:01:27,280

nine years as an astronaut until my

30

00:01:31,510 --> 00:01:29,600

first flight and i came actually here to

31

00:01:34,789 --> 00:01:31,520

this international space station

32

00:01:37,109 --> 00:01:34,799

in 2009 and uh i'm very blessed to have

33

00:01:39,270 --> 00:01:37,119

this opportunity to come back here and

34

00:01:40,630 --> 00:01:39,280

serve on the international space station

35

00:01:41,910 --> 00:01:40,640

i'm a crew member right now in

36

00:01:46,230 --> 00:01:41,920

expedition

37

00:01:48,550 --> 00:01:46,240

47 in a few weeks

38

00:01:51,350 --> 00:01:48,560

our mission here is really to run this

39

00:01:53,590 --> 00:01:51,360

world-class orbiting laboratory we have

40

00:01:54,469 --> 00:01:53,600

over 200 experiments going on at any one

41

00:01:55,190 --> 00:01:54,479

time

42

00:01:56,630 --> 00:01:55,200

and

43

00:01:58,630 --> 00:01:56,640

they're a variety of experiments

44

00:02:01,429 --> 00:01:58,640

sometimes we're actively conducting the

45

00:02:02,870 --> 00:02:01,439

experiment other times we set this up

46

00:02:04,950 --> 00:02:02,880

and the the scientists on the ground

47

00:02:06,630 --> 00:02:04,960

conduct the experiment and then other

48

00:02:09,270 --> 00:02:06,640

times we're actually the experiment

49

00:02:11,029 --> 00:02:09,280

itself we have to maintain this facility

50

00:02:13,190 --> 00:02:11,039

because it's very very complex our

51
00:02:15,430 --> 00:02:13,200
environment here is exactly what we have

52
00:02:17,270 --> 00:02:15,440
it's not like earth in that respect

53
00:02:19,750 --> 00:02:17,280
and it's also our homes we have to

54
00:02:21,589 --> 00:02:19,760
maintain our home as well it's also very

55
00:02:23,990 --> 00:02:21,599
important that we maintain our bodies

56
00:02:26,229 --> 00:02:24,000
and our health too and so we exercise

57
00:02:28,390 --> 00:02:26,239
over two hours every day and so this is

58
00:02:32,710 --> 00:02:28,400
an absolutely wonderful place to live

59
00:02:36,309 --> 00:02:34,630
exciting i think you're inspiring some

60
00:02:38,070 --> 00:02:36,319
of our students to become astronauts

61
00:02:39,750 --> 00:02:38,080
right now

62
00:02:43,589 --> 00:02:39,760
let's get to some of the questions are

63
00:02:50,470 --> 00:02:45,110

i'm all set i'm really looking forward

64

00:02:55,270 --> 00:02:51,670

hello

65

00:02:58,390 --> 00:02:55,280

my name is joe myra

66

00:03:00,309 --> 00:02:58,400

and my question is

67

00:03:07,110 --> 00:03:00,319

how did it feel

68

00:03:10,070 --> 00:03:09,270

hydromara that's a great question you

69

00:03:11,990 --> 00:03:10,080

know

70

00:03:14,309 --> 00:03:12,000

there's a physical response there's also

71

00:03:17,030 --> 00:03:14,319

an emotional response right so when i

72

00:03:19,190 --> 00:03:17,040

first got to space i was so happy

73

00:03:21,670 --> 00:03:19,200

because it had been a long time and a

74

00:03:22,869 --> 00:03:21,680

lot of work to uh to get on board both

75

00:03:24,550 --> 00:03:22,879

the space shuttle and then the

76

00:03:27,030 --> 00:03:24,560

international space station on my first

77

00:03:28,789 --> 00:03:27,040

flight physically though when i first

78

00:03:30,630 --> 00:03:28,799

came to space the first time i didn't

79

00:03:32,949 --> 00:03:30,640

feel so good i was a little bit queasy

80

00:03:34,949 --> 00:03:32,959

and a little bit dizzy but the amazing

81

00:03:36,869 --> 00:03:34,959

thing about the human body is that we're

82

00:03:39,350 --> 00:03:36,879

able to adapt to our environment and so

83

00:03:41,910 --> 00:03:39,360

after a few days i felt really really

84

00:03:43,990 --> 00:03:41,920

good this time around i think i was even

85

00:03:46,390 --> 00:03:44,000

happier to be back on board

86

00:03:48,070 --> 00:03:46,400

but also i think that i adapted quicker

87

00:03:53,350 --> 00:03:48,080

because my body just remembered having

88

00:03:56,630 --> 00:03:55,190

okay and our next question is going to

89

00:04:03,990 --> 00:03:56,640

come from peyton

90

00:04:13,350 --> 00:04:08,390

and my question is how does earth look

91

00:04:17,509 --> 00:04:15,030

well peyton it's a great question you

92

00:04:19,670 --> 00:04:17,519

know it's a very very beautiful planet

93

00:04:21,670 --> 00:04:19,680

but you know i think it's kind of funny

94

00:04:23,030 --> 00:04:21,680

that we call it earth because it's

95

00:04:25,110 --> 00:04:23,040

mainly water

96

00:04:26,790 --> 00:04:25,120

when we pass around the planet most of

97

00:04:29,110 --> 00:04:26,800

the time we're looking at the oceans in

98

00:04:30,950 --> 00:04:29,120

fact i think just about now we're coming

99

00:04:33,030 --> 00:04:30,960

over land but the last several minutes

100

00:04:35,270 --> 00:04:33,040

we've been over the atlantic ocean we're

101
00:04:36,870 --> 00:04:35,280
going over the united kingdom by time we

102
00:04:39,350 --> 00:04:36,880
finish up here today we'll be going over

103
00:04:41,350 --> 00:04:39,360
the caspian sea but it is a beautiful

104
00:04:42,950 --> 00:04:41,360
beautiful planet it's very dynamic

105
00:04:45,670 --> 00:04:42,960
there's lots of different colors and

106
00:04:47,670 --> 00:04:45,680
sometimes the colors are so dynamic it

107
00:04:55,590 --> 00:04:47,680
almost doesn't even look real but it is

108
00:05:02,070 --> 00:04:58,390
oh hi my name is eileen

109
00:05:08,390 --> 00:05:02,080
and my question is what kind of work do

110
00:05:13,110 --> 00:05:10,469
oh it's a good question you know we uh

111
00:05:16,390 --> 00:05:13,120
we're very very busy here and so

112
00:05:19,189 --> 00:05:16,400
we spend about maybe a third of our time

113
00:05:21,590 --> 00:05:19,199

doing science experiments about a third

114

00:05:24,469 --> 00:05:21,600

maintaining this vehicle and maybe a

115

00:05:27,350 --> 00:05:24,479

third exercising so we're very busy on

116

00:05:29,029 --> 00:05:27,360

board so for example today i was working

117

00:05:31,510 --> 00:05:29,039

on an experiment

118

00:05:33,430 --> 00:05:31,520

that where we burn some items

119

00:05:35,350 --> 00:05:33,440

which is very interesting

120

00:05:37,909 --> 00:05:35,360

on a space station but we have a very

121

00:05:39,430 --> 00:05:37,919

special glove box that makes everything

122

00:05:41,909 --> 00:05:39,440

safe and so we would insert these

123

00:05:44,629 --> 00:05:41,919

samples inside and get a little bit

124

00:05:46,870 --> 00:05:44,639

closer we insert these inside a chamber

125

00:05:49,189 --> 00:05:46,880

and then we would burn these samples and

126

00:05:51,189 --> 00:05:49,199

what that is for is the scientists on

127

00:05:53,430 --> 00:05:51,199

the ground they can understand better

128

00:05:56,469 --> 00:05:53,440

what happens to materials in space if

129

00:05:58,790 --> 00:05:56,479

they were to uh to get on fire and so

130

00:06:00,790 --> 00:05:58,800

they change the the speed of the air

131

00:06:02,629 --> 00:06:00,800

flow and use different materials and

132

00:06:04,550 --> 00:06:02,639

from that they can learn all kinds of

133

00:06:06,629 --> 00:06:04,560

things and so i've been the helper to

134

00:06:07,590 --> 00:06:06,639

the scientists in a lot of respects for

135

00:06:08,950 --> 00:06:07,600

that

136

00:06:11,350 --> 00:06:08,960

and so also

137

00:06:12,870 --> 00:06:11,360

we we maintain the vehicle and we have

138

00:06:14,469 --> 00:06:12,880

lots of tools

139

00:06:16,950 --> 00:06:14,479

here's an example of some of the tools

140

00:06:19,350 --> 00:06:16,960

we have you know we become

141

00:06:21,350 --> 00:06:19,360

the plumber and the electrician and the

142

00:06:23,590 --> 00:06:21,360

mechanic here on board space station

143

00:06:25,430 --> 00:06:23,600

because there's only six of us and we're

144

00:06:27,670 --> 00:06:25,440

the guys who have and gals who have to

145

00:06:29,350 --> 00:06:27,680

take care of this place and so we have

146

00:06:32,230 --> 00:06:29,360

special procedures that are prepared on

147

00:06:33,830 --> 00:06:32,240

the ground and uh from those procedures

148

00:06:35,590 --> 00:06:33,840

and our training with the tools we're

149

00:06:37,270 --> 00:06:35,600

able to maintain the vehicle and keep

150

00:06:39,909 --> 00:06:37,280

things in working order and we have lots

151
00:06:41,350 --> 00:06:39,919
of spare parts too if something were to

152
00:06:43,909 --> 00:06:41,360
break

153
00:06:44,629 --> 00:06:43,919
and then also we exercise every day

154
00:06:46,309 --> 00:06:44,639
and

155
00:06:49,510 --> 00:06:46,319
you know one of the weird things i think

156
00:06:51,430 --> 00:06:49,520
is that we actually run in space and so

157
00:06:52,870 --> 00:06:51,440
the question is well how do you run if

158
00:06:54,390 --> 00:06:52,880
there's no gravity right because we're

159
00:06:55,990 --> 00:06:54,400
floating and if you're floating all the

160
00:06:58,309 --> 00:06:56,000
time how do you get back down on the

161
00:07:00,070 --> 00:06:58,319
ground in order to do your your running

162
00:07:02,070 --> 00:07:00,080
so we have this special harness that we

163
00:07:03,589 --> 00:07:02,080

put on and i'm not going to put the

164

00:07:05,909 --> 00:07:03,599

whole thing on but you can see how it

165

00:07:07,990 --> 00:07:05,919

works you put this harness on and then

166

00:07:10,629 --> 00:07:08,000

we attach bungee cords that pull us down

167

00:07:12,390 --> 00:07:10,639

to a treadmill and that allows us to run

168

00:07:14,309 --> 00:07:12,400

and it's very important for us to put

169

00:07:16,390 --> 00:07:14,319

load on our muscles and our bones to

170

00:07:25,270 --> 00:07:16,400

keep us strong for when we come back

171

00:07:29,589 --> 00:07:28,710

my name is jamil garcia and my question

172

00:07:39,909 --> 00:07:29,599

is

173

00:07:43,350 --> 00:07:41,510

you know

174

00:07:45,350 --> 00:07:43,360

we have just a little bit of free time

175

00:07:48,150 --> 00:07:45,360

but we do use that time to entertain

176

00:07:50,230 --> 00:07:48,160

ourselves i think my favorite thing

177

00:07:52,230 --> 00:07:50,240

to do on space station is go to one of

178

00:07:53,830 --> 00:07:52,240

the windows we have here and take

179

00:07:56,070 --> 00:07:53,840

photographs because it's just

180

00:07:58,390 --> 00:07:56,080

unbelievable how beautiful this planet

181

00:08:01,350 --> 00:07:58,400

is this is one of my favorite cameras

182

00:08:04,070 --> 00:08:01,360

here this has an 800 millimeter lens and

183

00:08:06,710 --> 00:08:04,080

so with this camera i can take really

184

00:08:09,029 --> 00:08:06,720

good photographs of the planet in fact

185

00:08:11,270 --> 00:08:09,039

recently i took a photograph of my

186

00:08:13,510 --> 00:08:11,280

neighborhood i was just lucky enough to

187

00:08:15,670 --> 00:08:13,520

get a good photograph that came out

188

00:08:17,430 --> 00:08:15,680

clearly and we were in the right

189

00:08:19,510 --> 00:08:17,440

position with the space station or for

190

00:08:22,309 --> 00:08:19,520

me to take that photograph so taking

191

00:08:24,390 --> 00:08:22,319

pictures one of my favorite things to do

192

00:08:26,550 --> 00:08:24,400

here on space station you know we also

193

00:08:28,309 --> 00:08:26,560

have movies and television shows that we

194

00:08:30,309 --> 00:08:28,319

can watch they're stored up here or they

195

00:08:32,070 --> 00:08:30,319

can be sent up and

196

00:08:33,670 --> 00:08:32,080

you know just like many of you i have an

197

00:08:36,070 --> 00:08:33,680

ipad and and

198

00:08:38,230 --> 00:08:36,080

my ipad goes with me all the time we use

199

00:08:40,070 --> 00:08:38,240

this for work quite a bit we have our

200

00:08:42,389 --> 00:08:40,080

essentially our schedule on here and we

201

00:08:45,110 --> 00:08:42,399

use it for that but then also we could

202

00:08:47,269 --> 00:08:45,120

watch movies i read a book on here on my

203

00:08:48,710 --> 00:08:47,279

kindle reader so

204

00:08:50,230 --> 00:08:48,720

those are really the main things that

205

00:08:52,949 --> 00:08:50,240

that we do in our free time and of

206

00:08:54,470 --> 00:08:52,959

course we have meals together

207

00:08:58,070 --> 00:08:54,480

and

208

00:09:00,550 --> 00:08:58,080

don't sit do it we kind of float around

209

00:09:02,630 --> 00:09:00,560

the table and hold on with our feet

210

00:09:04,230 --> 00:09:02,640

but we have different meals and here's

211

00:09:06,150 --> 00:09:04,240

an example of the kind of food that we

212

00:09:07,110 --> 00:09:06,160

eat on board they're all in packets like

213

00:09:09,509 --> 00:09:07,120

this

214

00:09:11,829 --> 00:09:09,519

and some of the packets we reconstitute

215

00:09:14,550 --> 00:09:11,839

they're dehydrated and so we have to uh

216

00:09:16,790 --> 00:09:14,560

fill them with hot water on occasion but

217

00:09:18,389 --> 00:09:16,800

this is uh some banana pudding i thought

218

00:09:20,389 --> 00:09:18,399

it might be interesting to see what what

219

00:09:22,470 --> 00:09:20,399

food looks like in space so it kind of

220

00:09:24,310 --> 00:09:22,480

comes out

221

00:09:28,550 --> 00:09:24,320

and so that's why we use a spoon to be

222

00:09:37,670 --> 00:09:29,990

because otherwise we can make a really

223

00:09:49,590 --> 00:09:41,750

hi my name is sisto and

224

00:09:54,310 --> 00:09:51,750

you know i think floating is about as

225

00:09:56,070 --> 00:09:54,320

cool a thing as you could possibly do

226

00:09:58,150 --> 00:09:56,080

i mean you're just uh

227

00:09:59,190 --> 00:09:58,160

floating around in space

228

00:10:01,910 --> 00:09:59,200

and

229

00:10:04,069 --> 00:10:01,920

it feels so different than when you're

230

00:10:06,630 --> 00:10:04,079

in gravity and it takes a little bit of

231

00:10:08,710 --> 00:10:06,640

time to get used to this this feeling of

232

00:10:10,949 --> 00:10:08,720

floating and what's interesting too is

233

00:10:12,550 --> 00:10:10,959

that your your body doesn't really

234

00:10:14,230 --> 00:10:12,560

assume the same

235

00:10:15,910 --> 00:10:14,240

position that you normally would like

236

00:10:17,990 --> 00:10:15,920

when i completely relax

237

00:10:20,949 --> 00:10:18,000

this is what i look like my arms kind of

238

00:10:23,110 --> 00:10:20,959

float up my legs come up a little bit

239

00:10:25,110 --> 00:10:23,120

but i think the way that it feels is

240

00:10:26,470 --> 00:10:25,120

probably like when you're in the pool

241

00:10:27,670 --> 00:10:26,480

and you go in the middle of the pool and

242

00:10:29,750 --> 00:10:27,680

you just kind of

243

00:10:31,509 --> 00:10:29,760

you know float there in the middle it

244

00:10:34,230 --> 00:10:31,519

feels like that but the difference is

245

00:10:41,670 --> 00:10:34,240

that there's no water to push against so

246

00:10:41,680 --> 00:10:45,430

my name is

247

00:10:45,440 --> 00:10:52,069

how do you communicate with us

248

00:10:56,550 --> 00:10:53,990

well that's a good question we have a

249

00:10:59,430 --> 00:10:56,560

handheld mic and we press this button

250

00:11:01,509 --> 00:10:59,440

and then that transmits our

251
00:11:03,190 --> 00:11:01,519
our voice down to the ground through a

252
00:11:05,590 --> 00:11:03,200
series of satellites and they do the

253
00:11:07,350 --> 00:11:05,600
same thing it's like talking on a phone

254
00:11:09,670 --> 00:11:07,360
but we have to take turns i press the

255
00:11:11,910 --> 00:11:09,680
button and talk then we stop and we wait

256
00:11:18,230 --> 00:11:11,920
and listen it's just like what uh pilots

257
00:11:24,949 --> 00:11:22,710
hi my name is diana and my question is

258
00:11:31,430 --> 00:11:24,959
what is the most important things you

259
00:11:35,750 --> 00:11:33,670
we know it's very very important for us

260
00:11:38,790 --> 00:11:35,760
to have technical skills because we have

261
00:11:41,430 --> 00:11:38,800
a very technical job up here and so

262
00:11:43,590 --> 00:11:41,440
it's it's really key that we have some

263
00:11:45,590 --> 00:11:43,600

skills so that we can maintain this

264

00:11:47,430 --> 00:11:45,600

vehicle so that's very important but you

265

00:11:48,230 --> 00:11:47,440

know what i think the most important

266

00:11:49,910 --> 00:11:48,240

thing

267

00:11:51,030 --> 00:11:49,920

is being able to get along with people

268

00:11:53,190 --> 00:11:51,040

because

269

00:11:55,030 --> 00:11:53,200

flying in space is completely a team

270

00:11:56,790 --> 00:11:55,040

sport it's not just a team here but

271

00:11:59,269 --> 00:11:56,800

there's a huge team on the ground of

272

00:12:00,790 --> 00:11:59,279

people that help us do this and we're

273

00:12:03,269 --> 00:12:00,800

the ones that are most visible and i get

274

00:12:05,509 --> 00:12:03,279

to talk to you guys and gals but there's

275

00:12:07,829 --> 00:12:05,519

an army of people on the ground that are

276
00:12:09,350 --> 00:12:07,839
helping make human space flight possible

277
00:12:16,230 --> 00:12:09,360
so it's so important that we're able to

278
00:12:22,150 --> 00:12:18,629
hello my name is leonardo

279
00:12:27,910 --> 00:12:22,160
my question is what's the hardest part

280
00:12:32,150 --> 00:12:29,990
you know i think the hardest part on

281
00:12:34,710 --> 00:12:32,160
space station leonardo is keeping track

282
00:12:35,590 --> 00:12:34,720
of stuff let me give you an example

283
00:12:38,230 --> 00:12:35,600
so

284
00:12:39,990 --> 00:12:38,240
i'm convinced that if i were to carry

285
00:12:42,470 --> 00:12:40,000
more than three things in my hand at a

286
00:12:44,949 --> 00:12:42,480
time i am going to lose one of those

287
00:12:47,509 --> 00:12:44,959
items so say i have like these three

288
00:12:49,350 --> 00:12:47,519

pens and i'm looking around and all of a

289

00:12:51,430 --> 00:12:49,360

sudden i can't

290

00:12:53,829 --> 00:12:51,440

oh my goodness there goes my pen and so

291

00:12:55,430 --> 00:12:53,839

you have to be very careful about how

292

00:12:57,190 --> 00:12:55,440

you take care of your things and that

293

00:12:59,509 --> 00:12:57,200

what that means is that you just work

294

00:13:01,269 --> 00:12:59,519

differently you have to make sure that

295

00:13:03,430 --> 00:13:01,279

you're always planning where things are

296

00:13:04,710 --> 00:13:03,440

located and where you put them down

297

00:13:06,629 --> 00:13:04,720

because they don't just sit on the table

298

00:13:08,629 --> 00:13:06,639

they can sit on the wall or on the

299

00:13:10,230 --> 00:13:08,639

ceiling or they could just float behind

300

00:13:11,590 --> 00:13:10,240

one of these racks here and so it's

301

00:13:16,629 --> 00:13:11,600

important for us to keep track of our

302

00:13:16,639 --> 00:13:21,110

hi my name is sonia

303

00:13:31,590 --> 00:13:23,269

what kind of problems come up during a

304

00:13:38,389 --> 00:13:35,750

well this is a laboratory and it's also

305

00:13:40,470 --> 00:13:38,399

full of equipment and uh you know what

306

00:13:43,030 --> 00:13:40,480

happens with equipment over time is

307

00:13:45,350 --> 00:13:43,040

sometimes it wears out and sometimes it

308

00:13:47,350 --> 00:13:45,360

just breaks and so those are the kinds

309

00:13:48,949 --> 00:13:47,360

of problems that we have to deal with on

310

00:13:50,550 --> 00:13:48,959

board in fact

311

00:13:53,030 --> 00:13:50,560

we had a problem with

312

00:13:55,110 --> 00:13:53,040

a break on a mechanism outside when we

313

00:13:56,949 --> 00:13:55,120

first came on board and so we had been

314

00:13:59,350 --> 00:13:56,959

on space station for six days when we

315

00:14:01,430 --> 00:13:59,360

had to go do a space walk and fix that

316

00:14:03,829 --> 00:14:01,440

and then a couple weeks later we had to

317

00:14:05,750 --> 00:14:03,839

do another spacewalk in order to fix a

318

00:14:08,470 --> 00:14:05,760

piece of electrical equipment so that we

319

00:14:10,389 --> 00:14:08,480

could gain energy from our solar arrays

320

00:14:12,550 --> 00:14:10,399

and so we had to do these spacewalks

321

00:14:15,350 --> 00:14:12,560

which is a lot of organization and work

322

00:14:17,990 --> 00:14:15,360

for us to to put together in order to do

323

00:14:19,910 --> 00:14:18,000

we've also had problems with a device

324

00:14:22,310 --> 00:14:19,920

that cleans our air takes the carbon

325

00:14:24,870 --> 00:14:22,320

dioxide out and so we spent

326

00:14:26,949 --> 00:14:24,880

a day with one of my crew members

327

00:14:28,389 --> 00:14:26,959

repairing that piece of equipment so

328

00:14:30,629 --> 00:14:28,399

those are the kinds of things that

329

00:14:32,710 --> 00:14:30,639

happen on board and thankfully we're so

330

00:14:38,150 --> 00:14:32,720

well trained by the people on the ground

331

00:14:43,189 --> 00:14:41,030

hi my name is jezreel

332

00:14:49,910 --> 00:14:43,199

and what's the weirdest thing you've

333

00:14:53,990 --> 00:14:51,910

you know i wish i had a great story

334

00:14:56,829 --> 00:14:54,000

about these weird things i saw flying

335

00:14:59,670 --> 00:14:56,839

below us but unfortunately not i

336

00:15:03,030 --> 00:14:59,680

think one of the weirdest things i can

337

00:15:05,269 --> 00:15:03,040

see on board is how water performs i

338

00:15:09,189 --> 00:15:05,279

mean it's just water right but

339

00:15:10,870 --> 00:15:09,199

the weird thing about water is that uh

340

00:15:12,949 --> 00:15:10,880

there's no surface tension or the

341

00:15:14,790 --> 00:15:12,959

surface tension rather is what

342

00:15:17,910 --> 00:15:14,800

keeps the water together which makes it

343

00:15:19,110 --> 00:15:17,920

behave differently than it would

344

00:15:20,710 --> 00:15:19,120

on earth

345

00:15:28,550 --> 00:15:20,720

so if i can do this without making a big

346

00:15:32,310 --> 00:15:30,389

so this big

347

00:15:33,749 --> 00:15:32,320

drop of water let's see if i can coax it

348

00:15:34,629 --> 00:15:33,759

back up

349

00:15:37,030 --> 00:15:34,639

to me

350

00:15:40,230 --> 00:15:37,040

this is very strange right

351

00:15:41,590 --> 00:15:40,240

water is not supposed to look like this

352

00:15:51,829 --> 00:15:41,600

and it's not supposed to be inflated

353

00:16:02,230 --> 00:15:53,590

so that's an example of something weird

354

00:16:05,350 --> 00:16:03,749

my name is

355

00:16:11,990 --> 00:16:05,360

why do you choose to become an

356

00:16:17,269 --> 00:16:13,910

you know it's a great question because i

357

00:16:18,550 --> 00:16:17,279

think the reason that that i chose to

358

00:16:20,710 --> 00:16:18,560

try to become an astronaut and

359

00:16:23,430 --> 00:16:20,720

eventually be chosen as an astronaut is

360

00:16:25,749 --> 00:16:23,440

because i was inspired as a child

361

00:16:28,629 --> 00:16:25,759

when we had men landing on the moon many

362

00:16:30,550 --> 00:16:28,639

many years ago and it seemed like it

363

00:16:33,670 --> 00:16:30,560

would be such an adventure

364

00:16:35,430 --> 00:16:33,680

to to fly in space and it has been a

365

00:16:37,430 --> 00:16:35,440

tremendous adventure but the thing that

366

00:16:40,710 --> 00:16:37,440

i've learned from this is it's not

367

00:16:42,389 --> 00:16:40,720

simply the final bit of flying in space

368

00:16:44,230 --> 00:16:42,399

that was so neat

369

00:16:47,590 --> 00:16:44,240

the adventure really was the path along

370

00:16:54,949 --> 00:16:47,600

the way and so uh i'm very very grateful

371

00:16:59,509 --> 00:16:57,509

my name is jasmine and

372

00:17:05,350 --> 00:16:59,519

what do you need to be qualified and

373

00:17:10,069 --> 00:17:07,669

we know one of the main things is that

374

00:17:12,390 --> 00:17:10,079

you need to be healthy because

375

00:17:14,390 --> 00:17:12,400

even though we're trained to do medical

376

00:17:15,669 --> 00:17:14,400

procedures here we're not doctors and we

377

00:17:17,590 --> 00:17:15,679

don't have all the things that a

378

00:17:20,150 --> 00:17:17,600

hospital would have and so as a

379

00:17:23,110 --> 00:17:20,160

consequence we have to be very healthy

380

00:17:25,429 --> 00:17:23,120

but also we have to be very well trained

381

00:17:27,829 --> 00:17:25,439

in all the technical aspects of our job

382

00:17:30,710 --> 00:17:27,839

doing space walks being able to use the

383

00:17:33,190 --> 00:17:30,720

robotic arm outside because we capture

384

00:17:35,110 --> 00:17:33,200

visiting vehicles that have our supplies

385

00:17:36,950 --> 00:17:35,120

and then all the different activities we

386

00:17:38,310 --> 00:17:36,960

do on board to include the science those

387

00:17:43,510 --> 00:17:38,320

are things that we really need to know

388

00:17:53,990 --> 00:17:46,630

besides being an astronaut what the

389

00:17:58,070 --> 00:17:55,669

there are so many different kinds of

390

00:18:01,350 --> 00:17:58,080

jobs at nasa because it is a very large

391

00:18:02,950 --> 00:18:01,360

organization and so there are astronauts

392

00:18:05,350 --> 00:18:02,960

but there are the folks that train the

393

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

astronauts they're engineers that design

394

00:18:09,909 --> 00:18:07,360

and build hardware they're people that

395

00:18:11,510 --> 00:18:09,919

support them with administrative duties

396

00:18:13,430 --> 00:18:11,520

and there's people that take care of the

397

00:18:15,510 --> 00:18:13,440

facility at johnson space center for

398

00:18:19,110 --> 00:18:15,520

example in all of the nasa centers and

399

00:18:23,190 --> 00:18:19,120

so there's a wide variety of jobs

400

00:18:23,200 --> 00:18:29,590

can we ask kids go into space right now

401
00:18:34,710 --> 00:18:32,390
no i am so sorry that uh kids can't go

402
00:18:36,950 --> 00:18:34,720
in space yet i hope that someday all

403
00:18:38,070 --> 00:18:36,960
kids will be able to go into space but

404
00:18:41,510 --> 00:18:38,080
right now

405
00:18:43,669 --> 00:18:41,520
it it takes a lot of energy for a rocket

406
00:18:46,310 --> 00:18:43,679
to get people into space and supplies

407
00:18:48,710 --> 00:18:46,320
into space and it's a very demanding job

408
00:18:50,950 --> 00:18:48,720
actually and so i hope that someday it

409
00:18:52,390 --> 00:18:50,960
can be more of a leisure activity

410
00:18:54,390 --> 00:18:52,400
frankly

411
00:18:56,230 --> 00:18:54,400
you know i thank you for all the

412
00:18:59,190 --> 00:18:56,240
questions these are excellent questions

413
00:19:01,669 --> 00:18:59,200

i can tell how smart you guys are and uh

414

00:19:03,750 --> 00:19:01,679

i really really appreciate the the great

415

00:19:05,669 --> 00:19:03,760

work that that kip does

416

00:19:08,470 --> 00:19:05,679

in fact uh i have a piece of advice i'd

417

00:19:11,830 --> 00:19:08,480

like to to give to all you students

418

00:19:15,669 --> 00:19:11,840

that are there at the bullock museum

419

00:19:17,669 --> 00:19:15,679

my my goal for you is for you to set big

420

00:19:20,710 --> 00:19:17,679

goals and the thing that is great about

421

00:19:22,789 --> 00:19:20,720

big goals is that it will excite you it

422

00:19:24,390 --> 00:19:22,799

will motivate you and it will keep you

423

00:19:27,110 --> 00:19:24,400

focused and you can do

424

00:19:29,430 --> 00:19:27,120

tremendously great things if you have

425

00:19:32,070 --> 00:19:29,440

big goals and i would encourage all of

426

00:19:33,510 --> 00:19:32,080

you to live by the motto of kip

427

00:19:35,990 --> 00:19:33,520

work hard

428

00:19:38,230 --> 00:19:36,000

play nice because it takes lots of hard

429

00:19:39,430 --> 00:19:38,240

work and getting along with others to do

430

00:19:41,270 --> 00:19:39,440

great things

431

00:19:44,310 --> 00:19:41,280

thank you so much

432

00:19:58,390 --> 00:19:46,870

thank you tim

433

00:20:05,110 --> 00:20:01,029

station this is houston acr

434

00:20:08,870 --> 00:20:06,950

thank you bullock texas state history