



1
00:00:00,719 --> 00:00:12,789
yes we are ready for the event

2
00:00:15,749 --> 00:00:13,910
uh

3
00:00:23,109 --> 00:00:15,759
this is denia siegrist at junction

4
00:00:28,470 --> 00:00:24,950
hello we read you loud and clear we're

5
00:00:32,790 --> 00:00:31,669
you ready

6
00:00:34,709 --> 00:00:32,800
hi

7
00:00:36,069 --> 00:00:34,719
wait what go ahead

8
00:00:38,069 --> 00:00:36,079
hi

9
00:00:40,549 --> 00:00:38,079
my name is caleb

10
00:01:36,789 --> 00:00:40,559
at uh junction

11
00:01:40,950 --> 00:01:38,950
my name is eric marvel

12
00:01:43,030 --> 00:01:40,960
my name is eric maravillo i'm in 7th

13
00:01:45,030 --> 00:01:43,040

grade at junction avenue school for

14

00:01:47,270 --> 00:01:45,040

astronaut andre if you get sick or there

15

00:01:48,789 --> 00:01:47,280

is a medical emergency what do you do

16

00:01:53,030 --> 00:01:48,799

and what medicines do you keep on the

17

00:01:57,350 --> 00:01:55,510

well that's a good question uh

18

00:01:59,350 --> 00:01:57,360

of course astronauts are pretty healthy

19

00:02:01,429 --> 00:01:59,360

and we are very well checked before we

20

00:02:03,350 --> 00:02:01,439

go up so we're in good shape but of

21

00:02:04,469 --> 00:02:03,360

course an accident can happen people can

22

00:02:06,469 --> 00:02:04,479

get sick

23

00:02:07,510 --> 00:02:06,479

for that reason we have a small hospital

24

00:02:10,389 --> 00:02:07,520

on board

25

00:02:13,190 --> 00:02:10,399

we have a lot of medication for small

26

00:02:14,949 --> 00:02:13,200

things like a headache or a small ear

27

00:02:17,430 --> 00:02:14,959

infection or something like that but

28

00:02:19,990 --> 00:02:17,440

also medication for somebody

29

00:02:22,470 --> 00:02:20,000

who has a serious heart problem and on

30

00:02:23,430 --> 00:02:22,480

top of that we have equipment to to

31

00:02:28,470 --> 00:02:23,440

support

32

00:02:30,150 --> 00:02:28,480

so we can do a lot up here and of course

33

00:02:31,350 --> 00:02:30,160

we'll have a lot of support from doctors

34

00:02:33,430 --> 00:02:31,360

on the ground

35

00:02:39,030 --> 00:02:33,440

so but hopefully it never is never

36

00:02:43,430 --> 00:02:41,110

my name is mackenzie wallace i am a

37

00:02:45,830 --> 00:02:43,440

sixth grade student at junction avenue

38

00:02:47,830 --> 00:02:45,840

kate school for astronaut dawn how does

39

00:02:49,670 --> 00:02:47,840

all the time you spend on your career

40

00:02:54,710 --> 00:02:49,680

and at the space station impact your

41

00:03:00,070 --> 00:02:55,910

well

42

00:03:01,589 --> 00:03:00,080

no matter what you do for a living

43

00:03:02,550 --> 00:03:01,599

your family

44

00:03:05,750 --> 00:03:02,560

gets

45

00:03:08,710 --> 00:03:05,760

pulled along with your career so your

46

00:03:11,430 --> 00:03:08,720

family shares your career and that

47

00:03:12,949 --> 00:03:11,440

happens if you're an astronaut as well

48

00:03:15,830 --> 00:03:12,959

and so

49

00:03:17,670 --> 00:03:15,840

my family gets to see what it's like

50

00:03:20,550 --> 00:03:17,680

when i go through training they get to

51
00:03:23,350 --> 00:03:20,560
see when when i go on travel

52
00:03:26,309 --> 00:03:23,360
and they get to come with me on occasion

53
00:03:27,750 --> 00:03:26,319
and so we all share the experience like

54
00:03:31,110 --> 00:03:27,760
you do

55
00:03:33,910 --> 00:03:31,120
with any other family experience

56
00:03:37,110 --> 00:03:33,920
so it

57
00:03:40,550 --> 00:03:37,120
so so your family gets to

58
00:03:45,190 --> 00:03:40,560
hear and and feel what it's like

59
00:03:48,949 --> 00:03:46,390
okay

60
00:03:51,270 --> 00:03:48,959
hello my name is jessica bennett i'm in

61
00:03:53,830 --> 00:03:51,280
sixth grade at junction avenue school

62
00:03:55,589 --> 00:03:53,840
for astronaut joe are you conducting any

63
00:03:58,550 --> 00:03:55,599

experiments that will help us here on

64

00:04:04,630 --> 00:03:58,560

earth relating to energy conservation

65

00:04:08,869 --> 00:04:07,110

well that's a that's a great question uh

66

00:04:10,869 --> 00:04:08,879

just living on the space station we're

67

00:04:12,550 --> 00:04:10,879

doing a little bit of all of that

68

00:04:14,390 --> 00:04:12,560

we have solar arrays so we're using

69

00:04:17,030 --> 00:04:14,400

power from the sun

70

00:04:19,110 --> 00:04:17,040

all of our water we recycle so it might

71

00:04:21,349 --> 00:04:19,120

not sound too good but

72

00:04:23,590 --> 00:04:21,359

what we might urinate today

73

00:04:25,909 --> 00:04:23,600

we'll be drinking uh shortly so we're

74

00:04:27,110 --> 00:04:25,919

doing that and we try to

75

00:04:28,790 --> 00:04:27,120

minimize

76

00:04:29,990 --> 00:04:28,800

any of the waste that we have on board

77

00:04:31,430 --> 00:04:30,000

so we're doing a little bit of that

78

00:04:37,909 --> 00:04:31,440

every day just living on the space

79

00:04:43,030 --> 00:04:40,230

hi my name is janelle holm i'm an 8th

80

00:04:45,189 --> 00:04:43,040

grade student at junction avenue school

81

00:04:47,030 --> 00:04:45,199

for astronaut andre what type of plants

82

00:04:49,030 --> 00:04:47,040

are you trying to grow on the iss and

83

00:04:52,790 --> 00:04:49,040

what are the challenges of hydroponics

84

00:04:57,030 --> 00:04:54,310

well i'll hand this question over to the

85

00:04:59,350 --> 00:04:57,040

specialist on that

86

00:05:00,550 --> 00:04:59,360

hi i'm don and

87

00:05:02,230 --> 00:05:00,560

currently

88

00:05:03,590 --> 00:05:02,240

i'm growing

89

00:05:05,029 --> 00:05:03,600

broccoli

90

00:05:06,070 --> 00:05:05,039

sunflower

91

00:05:07,510 --> 00:05:06,080

and

92

00:05:09,790 --> 00:05:07,520

zucchini

93

00:05:12,950 --> 00:05:09,800

and we're not using

94

00:05:13,830 --> 00:05:12,960

hydroponics we're using aeroponics this

95

00:05:15,670 --> 00:05:13,840

is a

96

00:05:17,990 --> 00:05:15,680

different concept that nasa has helped

97

00:05:20,070 --> 00:05:18,000

pioneer where instead of having a large

98

00:05:23,510 --> 00:05:20,080

tank of water with all the nutrients

99

00:05:25,510 --> 00:05:23,520

that the roots are in you have a

100

00:05:28,230 --> 00:05:25,520

chamber filled with air and just a

101
00:05:29,270 --> 00:05:28,240
little bit of water with nutrients and

102
00:05:31,670 --> 00:05:29,280
that way

103
00:05:34,230 --> 00:05:31,680
you don't have to have a whole lot of

104
00:05:35,749 --> 00:05:34,240
water sitting around in a tank for

105
00:05:38,710 --> 00:05:35,759
raising your plants

106
00:05:42,629 --> 00:05:38,720
and what i'm finding is spacecraft are

107
00:05:43,990 --> 00:05:42,639
designed for animals like human beings

108
00:05:46,230 --> 00:05:44,000
and

109
00:05:47,590 --> 00:05:46,240
plants have a hard time living in that

110
00:05:49,909 --> 00:05:47,600
environment

111
00:05:52,230 --> 00:05:49,919
if our spacecraft were designed by

112
00:05:53,990 --> 00:05:52,240
plants i think us human beings would

113
00:05:59,909 --> 00:05:54,000

have a hard time living in in that kind

114

00:06:04,150 --> 00:06:02,230

my name is kayla bidding i am in fifth

115

00:06:06,710 --> 00:06:04,160

grade at vintage hill school for

116

00:06:08,309 --> 00:06:06,720

astronaut dawn what would you do or say

117

00:06:14,309 --> 00:06:08,319

if you were the first person to meet

118

00:06:19,510 --> 00:06:16,390

well i've had opportunity to meet an

119

00:06:22,309 --> 00:06:19,520

alien and i will hand the microphone

120

00:06:26,150 --> 00:06:22,319

over to him and he's an alien because he

121

00:06:29,670 --> 00:06:27,350

that's right

122

00:06:31,510 --> 00:06:29,680

it conceals it under the top so i can

123

00:06:33,189 --> 00:06:31,520

even talk in another language but that

124

00:06:35,909 --> 00:06:33,199

will be the biggest problem how to

125

00:06:39,110 --> 00:06:35,919

communicate with uh with with aliens

126

00:06:41,430 --> 00:06:39,120

because uh they of course will be built

127

00:06:43,189 --> 00:06:41,440

totally different and uh that will be

128

00:06:46,390 --> 00:06:43,199

hard to communicate i think we will have

129

00:06:48,790 --> 00:06:46,400

to communicate with with images

130

00:06:51,589 --> 00:06:48,800

that is to say if he uses the visual

131

00:06:54,390 --> 00:06:51,599

light as we use so i think communication

132

00:06:56,150 --> 00:06:54,400

is the biggest thing and uh if they come

133

00:06:58,790 --> 00:06:56,160

to us it probably means that they are

134

00:07:01,749 --> 00:06:58,800

technically very advanced and for them

135

00:07:03,110 --> 00:07:01,759

uh we will be very primitive and i think

136

00:07:05,270 --> 00:07:03,120

they will take the initiative to

137

00:07:07,510 --> 00:07:05,280

communicate with us but i think the most

138

00:07:09,670 --> 00:07:07,520

important thing is to be very open and

139

00:07:12,230 --> 00:07:09,680

assume that they have good intentions

140

00:07:14,309 --> 00:07:12,240

and then see how we can share what we

141

00:07:16,790 --> 00:07:14,319

know what they know and

142

00:07:22,790 --> 00:07:16,800

and well have an interesting

143

00:07:27,350 --> 00:07:25,189

my name is amani green i'm in fifth

144

00:07:30,390 --> 00:07:27,360

grade at vintage hill school for

145

00:07:32,870 --> 00:07:30,400

astronaut andre what experience on earth

146

00:07:39,670 --> 00:07:32,880

closely resembles or feels like being in

147

00:07:45,830 --> 00:07:42,390

well i for me the the thing that

148

00:07:47,830 --> 00:07:45,840

resembles space the most is uh is diving

149

00:07:50,550 --> 00:07:47,840

so being under water you can practice

150

00:07:52,390 --> 00:07:50,560

yourself in a pool just go underwater

151
00:07:54,390 --> 00:07:52,400
don't move just hang there so you don't

152
00:07:55,589 --> 00:07:54,400
feel anything not on your feet your

153
00:07:57,110 --> 00:07:55,599
hands

154
00:08:01,189 --> 00:07:57,120
and that resembles it a bit so the

155
00:08:04,070 --> 00:08:01,199
floating underwater uh is is something

156
00:08:05,830 --> 00:08:04,080
that that resembles it but

157
00:08:09,110 --> 00:08:05,840
that's also the risk if you come into

158
00:08:10,790 --> 00:08:09,120
space uh you have the tendency to try to

159
00:08:12,869 --> 00:08:10,800
swim so you have to be careful with your

160
00:08:15,270 --> 00:08:12,879
legs because you might kick off things

161
00:08:18,230 --> 00:08:15,280
from the walls and things like that so i

162
00:08:21,110 --> 00:08:18,240
i well being underwater floating still

163
00:08:23,430 --> 00:08:21,120

that if you do that then it comes a bit

164

00:08:26,550 --> 00:08:23,440

close and mentally well i would say go

165

00:08:29,189 --> 00:08:26,560

to an imax theater and the fantastic

166

00:08:31,029 --> 00:08:29,199

movies that that make you almost feel

167

00:08:36,070 --> 00:08:31,039

that you're there this is really really

168

00:08:41,350 --> 00:08:38,630

my name is stacy robes i'm in third

169

00:08:43,750 --> 00:08:41,360

grade at junction avenue school

170

00:08:46,470 --> 00:08:43,760

why does it take two days to travel the

171

00:08:51,350 --> 00:08:46,480

242 miles to the international space

172

00:08:55,590 --> 00:08:53,509

that's a very good question and a very

173

00:08:57,990 --> 00:08:55,600

complicated question you would think

174

00:08:59,910 --> 00:08:58,000

that since we're traveling at five miles

175

00:09:01,990 --> 00:08:59,920

per second we could get to the space

176

00:09:03,990 --> 00:09:02,000

station in about a minute but it's a

177

00:09:06,230 --> 00:09:04,000

little bit more complicated it depends

178

00:09:08,550 --> 00:09:06,240

on when you launch and where you launch

179

00:09:10,150 --> 00:09:08,560

from and when we first get to space

180

00:09:12,550 --> 00:09:10,160

we're at a different height a different

181

00:09:15,269 --> 00:09:12,560

altitude than the space station and so

182

00:09:17,509 --> 00:09:15,279

we're going at different relative speeds

183

00:09:19,910 --> 00:09:17,519

so it takes us time to go around the

184

00:09:21,509 --> 00:09:19,920

earth to catch up but there are ways

185

00:09:23,110 --> 00:09:21,519

that we can get here sooner and i

186

00:09:25,350 --> 00:09:23,120

wouldn't be surprised that if in the

187

00:09:28,389 --> 00:09:25,360

future instead of taking two days for us

188

00:09:31,110 --> 00:09:28,399

to get here we may change when we launch

189

00:09:33,590 --> 00:09:31,120

and how we uh use our engines to reach

190

00:09:40,070 --> 00:09:33,600

the space station and maybe get here in

191

00:09:43,910 --> 00:09:41,990

my name is diamond wesley i'm an eighth

192

00:09:45,670 --> 00:09:43,920

grade at junction avenue school for

193

00:09:47,269 --> 00:09:45,680

astronaut joe what is it like being on

194

00:09:53,269 --> 00:09:47,279

the international space station with

195

00:09:57,030 --> 00:09:54,630

it's pretty cool

196

00:09:58,630 --> 00:09:57,040

as you can see we have andre here who

197

00:10:01,509 --> 00:09:58,640

was giving me a good lesson on where

198

00:10:03,590 --> 00:10:01,519

he's from today so it's really exciting

199

00:10:06,389 --> 00:10:03,600

you learn about different cultures

200

00:10:08,949 --> 00:10:06,399

we also have russians on board when don

201
00:10:11,750 --> 00:10:08,959
and andre go home aki hoshide will be

202
00:10:13,509 --> 00:10:11,760
coming up and he's a japanese astronaut

203
00:10:15,110 --> 00:10:13,519
so i'm having a chance to live with a

204
00:10:16,150 --> 00:10:15,120
bunch of different people with different

205
00:10:17,350 --> 00:10:16,160
cultures

206
00:10:18,790 --> 00:10:17,360
it's cool

207
00:10:21,590 --> 00:10:18,800
you know we're speaking different

208
00:10:23,269 --> 00:10:21,600
languages and so it's a really neat it's

209
00:10:25,509 --> 00:10:23,279
kind of like being on earth and we have

210
00:10:27,110 --> 00:10:25,519
this representation of different uh

211
00:10:32,310 --> 00:10:27,120
groups but all here in the space station

212
00:10:36,470 --> 00:10:34,630
my name is denise toscano i'm an eighth

213
00:10:38,550 --> 00:10:36,480

grader at junction avenue school for

214

00:10:40,230 --> 00:10:38,560

astronaut don how does involvement from

215

00:10:42,230 --> 00:10:40,240

the private sector impact the daily

216

00:10:47,110 --> 00:10:42,240

operations on the international space

217

00:10:52,630 --> 00:10:49,110

uh right now

218

00:10:55,910 --> 00:10:52,640

the the commercial private sector are

219

00:10:58,870 --> 00:10:55,920

in the process of of delivering goods

220

00:11:01,190 --> 00:10:58,880

to space station a durable goods aids

221

00:11:02,710 --> 00:11:01,200

resupply for food and clothing and

222

00:11:05,269 --> 00:11:02,720

things like that

223

00:11:07,829 --> 00:11:05,279

and parts spare parts that we need and

224

00:11:10,790 --> 00:11:07,839

it's just started with

225

00:11:13,350 --> 00:11:10,800

the spacex dragon vehicle which we set

226

00:11:14,389 --> 00:11:13,360

back to earth just last week

227

00:11:19,829 --> 00:11:14,399

so

228

00:11:22,710 --> 00:11:19,839

and we'll get a ringside seat both up

229

00:11:26,949 --> 00:11:22,720

here and on earth to see what comes from

230

00:11:30,470 --> 00:11:28,550

my name is tina fey and i'm an eighth

231

00:11:32,710 --> 00:11:30,480

grade student at junction avenue k.a

232

00:11:34,310 --> 00:11:32,720

school for astronaut dawn what actions

233

00:11:35,990 --> 00:11:34,320

would you take if the international

234

00:11:37,910 --> 00:11:36,000

space station was ever punctured by

235

00:11:39,509 --> 00:11:37,920

flying debris and how much time would

236

00:11:45,509 --> 00:11:39,519

you have to make the repairs before it

237

00:11:50,069 --> 00:11:48,069

we practice emergencies on space station

238

00:11:52,710 --> 00:11:50,079

just so we'd be prepared for things like

239

00:11:53,670 --> 00:11:52,720

that uh we call this a depressurization

240

00:11:54,550 --> 00:11:53,680

event

241

00:11:58,069 --> 00:11:54,560

and

242

00:12:00,310 --> 00:11:58,079

like like a hole in your tire how far

243

00:12:02,389 --> 00:12:00,320

can you drive before your tire gets flat

244

00:12:04,870 --> 00:12:02,399

it kind of depends on how big the hole

245

00:12:06,870 --> 00:12:04,880

is and if it's just a little hole and

246

00:12:09,269 --> 00:12:06,880

say the nail is still in the hole you

247

00:12:11,190 --> 00:12:09,279

might be able to drive 25 or 30 miles

248

00:12:14,310 --> 00:12:11,200

before your tire gets flat

249

00:12:15,829 --> 00:12:14,320

if uh if it's a big hole uh you might

250

00:12:17,829 --> 00:12:15,839

barely be able to get to the side of the

251
00:12:19,350 --> 00:12:17,839
road before your tire gets flat and the

252
00:12:21,430 --> 00:12:19,360
same kind of thing is here on space

253
00:12:22,949 --> 00:12:21,440
station

254
00:12:25,030 --> 00:12:22,959
so

255
00:12:26,710 --> 00:12:25,040
the scenarios that we practice are

256
00:12:30,150 --> 00:12:26,720
scenarios where we would have anywhere

257
00:12:31,430 --> 00:12:30,160
from 20 minutes to a number of hours

258
00:12:33,990 --> 00:12:31,440
before

259
00:12:36,150 --> 00:12:34,000
things would start to get dangerous and

260
00:12:39,750 --> 00:12:36,160
that gives us time to either get in our

261
00:12:43,030 --> 00:12:39,760
soyuz vehicle as an escape a lifeboat or

262
00:12:45,829 --> 00:12:43,040
it gives us a chance to try to

263
00:12:48,150 --> 00:12:45,839

close off the module that's leaking or

264

00:12:50,949 --> 00:12:48,160

even repair the leak if we can find

265

00:12:54,389 --> 00:12:50,959

where the hole is in the hall so

266

00:12:57,829 --> 00:12:54,399

we've got a a whole range of reactions

267

00:13:03,829 --> 00:12:57,839

that we can take to depressurization and

268

00:13:07,910 --> 00:13:05,430

my name is

269

00:13:09,990 --> 00:13:07,920

is joseph lestoki i'm in 7th grade at

270

00:13:12,230 --> 00:13:10,000

junction avenue school for astronaut

271

00:13:17,430 --> 00:13:12,240

andre how do you recover back home after

272

00:13:21,269 --> 00:13:19,350

well we have

273

00:13:23,670 --> 00:13:21,279

we have our drill sergeants on the

274

00:13:26,069 --> 00:13:23,680

ground the acers these are the the

275

00:13:27,910 --> 00:13:26,079

people that train us and that prepare us

276

00:13:29,829 --> 00:13:27,920

and keep us in good shape we have a lot

277

00:13:32,069 --> 00:13:29,839

of contact with them here on board so

278

00:13:35,190 --> 00:13:32,079

they they make sure that we do the right

279

00:13:37,269 --> 00:13:35,200

exercise we have weight training we are

280

00:13:40,230 --> 00:13:37,279

running we are bicycling

281

00:13:42,470 --> 00:13:40,240

and uh as soon as we come back we we

282

00:13:43,509 --> 00:13:42,480

will have to continue so we have a whole

283

00:13:45,509 --> 00:13:43,519

program

284

00:13:47,269 --> 00:13:45,519

we start in the pool actually because

285

00:13:49,269 --> 00:13:47,279

like i said earlier

286

00:13:52,310 --> 00:13:49,279

it's a bit easier it resembles a bit

287

00:13:54,790 --> 00:13:52,320

floating uh but we will do a lot of

288

00:13:57,189 --> 00:13:54,800

exercise physiotherapy

289

00:13:59,189 --> 00:13:57,199

to make sure that we get all our muscle

290

00:14:01,670 --> 00:13:59,199

strength muscle coordination and our

291

00:14:04,389 --> 00:14:01,680

bone density back so there will be a

292

00:14:06,389 --> 00:14:04,399

tough program for us and weightlessness

293

00:14:09,590 --> 00:14:06,399

is great but we also have to get back to

294

00:14:15,750 --> 00:14:09,600

uh to earth and that is probably a bit

295

00:14:20,470 --> 00:14:16,389

my

296

00:14:21,350 --> 00:14:20,480

i'm in fifth grade at junction avenue

297

00:14:24,550 --> 00:14:21,360

school

298

00:14:27,110 --> 00:14:24,560

astronaut joe when i say

299

00:14:27,120 --> 00:14:57,750

man

300

00:14:57,760 --> 00:15:09,110

or in moscow

301
00:15:14,150 --> 00:15:11,829
my name is will hansen i'm in 6th grade

302
00:15:16,150 --> 00:15:14,160
at junction avenue school for astronaut

303
00:15:26,710 --> 00:15:16,160
dawn do you run through drills on the

304
00:15:29,910 --> 00:15:28,230
yeah could you

305
00:15:31,509 --> 00:15:29,920
repeat the question it was broken up

306
00:15:44,790 --> 00:15:31,519
just a little bit by the time i got sent

307
00:15:49,749 --> 00:15:46,949
for astronaut dawn do you run through

308
00:15:55,910 --> 00:15:49,759
drills on the iss and if so what are

309
00:16:01,829 --> 00:15:58,550
uh yes now i understand the question we

310
00:16:05,670 --> 00:16:01,839
do have drills we have two kinds of

311
00:16:08,870 --> 00:16:05,680
drills on space station we have

312
00:16:11,749 --> 00:16:08,880
drills that we do for emergency and then

313
00:16:14,310 --> 00:16:11,759

we have a drill driver that we use with

314

00:16:20,710 --> 00:16:14,320

tools for drilling holes and driving

315

00:16:27,670 --> 00:16:24,710

okay all right my name is gerald agiano

316

00:16:31,189 --> 00:16:27,680

i'm in second grade at junction avenue

317

00:16:33,590 --> 00:16:31,199

school for astronaut joe what languages

318

00:16:40,949 --> 00:16:33,600

do the astronauts need to know to be

319

00:16:44,710 --> 00:16:42,710

well the primary language on the

320

00:16:46,069 --> 00:16:44,720

international space station is english

321

00:16:48,310 --> 00:16:46,079

so we all have to be able to speak

322

00:16:50,150 --> 00:16:48,320

english but all of us that are on board

323

00:16:51,509 --> 00:16:50,160

right now we also have to learn how to

324

00:16:53,269 --> 00:16:51,519

speak russian

325

00:16:54,069 --> 00:16:53,279

and that's a pretty hard language to

326

00:16:56,310 --> 00:16:54,079

learn

327

00:16:58,069 --> 00:16:56,320

and we're not all very good at it but we

328

00:17:00,389 --> 00:16:58,079

have to learn russian because the way we

329

00:17:02,710 --> 00:17:00,399

come to the space station now is on a

330

00:17:06,069 --> 00:17:02,720

russian spaceship and so we train a lot

331

00:17:07,829 --> 00:17:06,079

in russia our colleagues the cosmonauts

332

00:17:08,710 --> 00:17:07,839

they're russian and they speak russian

333

00:17:10,470 --> 00:17:08,720

so

334

00:17:12,870 --> 00:17:10,480

english in russian you have to know how

335

00:17:20,470 --> 00:17:12,880

to speak

336

00:17:25,590 --> 00:17:23,669

my my name is romano tulagan i'm in 8th

337

00:17:27,909 --> 00:17:25,600

grade at junction avenue school for

338

00:17:33,909 --> 00:17:27,919

astronaut andre how does time and space

339

00:17:38,630 --> 00:17:36,789

well uh as you know uh

340

00:17:41,669 --> 00:17:38,640

normally well not at this period

341

00:17:43,990 --> 00:17:41,679

actually but normally we have about uh

342

00:17:45,590 --> 00:17:44,000

say 50 minutes of light and 40 minutes

343

00:17:48,310 --> 00:17:45,600

of darkness if you are on the other side

344

00:17:53,350 --> 00:17:51,110

but we cannot we cannot work on that you

345

00:17:54,789 --> 00:17:53,360

cannot sleep for

346

00:17:58,070 --> 00:17:54,799

three quarters of an hour then be awake

347

00:17:58,870 --> 00:17:58,080

etc so what we use what we are using is

348

00:18:10,789 --> 00:17:58,880

a

349

00:18:12,070 --> 00:18:10,799

centers

350

00:18:15,350 --> 00:18:12,080

they have to

351
00:18:17,510 --> 00:18:15,360
to work at the same time so the crew is

352
00:18:19,669 --> 00:18:17,520
working with his greetings meantime the

353
00:18:21,270 --> 00:18:19,679
time in london and

354
00:18:22,630 --> 00:18:21,280
this is how we work that means that some

355
00:18:24,789 --> 00:18:22,640
people on the ground have to work in the

356
00:18:26,470 --> 00:18:24,799
middle of the night unfortunately but

357
00:18:27,669 --> 00:18:26,480
this is the the way we do this in the

358
00:18:30,470 --> 00:18:27,679
international

359
00:18:35,590 --> 00:18:30,480
space station so this is the time we use

360
00:18:39,350 --> 00:18:37,590
rebecca lasco and i'm an 8th grader at

361
00:18:41,110 --> 00:18:39,360
junction avenue school for astronaut

362
00:18:42,789 --> 00:18:41,120
andre out of everything that have

363
00:18:44,470 --> 00:18:42,799

experienced on the international space

364

00:18:50,070 --> 00:18:44,480

station what experience is the most

365

00:18:54,950 --> 00:18:52,310

that's difficult because

366

00:18:57,510 --> 00:18:54,960

there are things that are very special

367

00:18:59,830 --> 00:18:57,520

the floating this is very pleasant and

368

00:19:01,029 --> 00:18:59,840

special but of course the view

369

00:19:03,029 --> 00:19:01,039

and uh

370

00:19:06,230 --> 00:19:03,039

i think one of the things that that

371

00:19:08,549 --> 00:19:06,240

amazes me amazed me most is

372

00:19:12,070 --> 00:19:08,559

on a night it was very quiet was dark in

373

00:19:15,430 --> 00:19:12,080

the station and it was at night on earth

374

00:19:17,430 --> 00:19:15,440

and i was in now in the cupola and

375

00:19:18,549 --> 00:19:17,440

without taking any pictures as i'm just

376

00:19:20,950 --> 00:19:18,559

looking

377

00:19:22,630 --> 00:19:20,960

and then i also all of a sudden i

378

00:19:24,470 --> 00:19:22,640

realized i was flying over north of

379

00:19:26,230 --> 00:19:24,480

italy and i all of a sudden realized

380

00:19:27,990 --> 00:19:26,240

that i could see the whole of europe i

381

00:19:30,390 --> 00:19:28,000

still could see the lights of ireland

382

00:19:31,510 --> 00:19:30,400

and when i turned my head i could see

383

00:19:33,750 --> 00:19:31,520

cairo

384

00:19:36,230 --> 00:19:33,760

in north africa and egypt and it was

385

00:19:39,350 --> 00:19:36,240

amazing how actually how much i could

386

00:19:40,710 --> 00:19:39,360

see and this this this fantastic view

387

00:19:46,630 --> 00:19:40,720

that we have up there that that's the

388

00:19:51,029 --> 00:19:48,390

okay so does that mean one more question

389

00:20:05,669 --> 00:19:51,039

or we're done

390

00:20:11,669 --> 00:20:08,070

hello

391

00:20:12,549 --> 00:20:11,679

was very pleasant to talk with you all

392

00:20:14,149 --> 00:20:12,559

there

393

00:20:32,149 --> 00:20:14,159

and thank you so much for this

394

00:20:37,750 --> 00:20:33,909

this is houston acr that concludes the

395

00:20:41,909 --> 00:20:39,830

thank you junction avenue school station