



1
00:00:05,670 --> 00:00:04,470
let's do a countdown ten

2
00:00:06,710 --> 00:00:05,680
nine

3
00:00:07,749 --> 00:00:06,720
eight

4
00:00:10,549 --> 00:00:07,759
seven

5
00:00:14,789 --> 00:00:10,559
six station this is houston are you

6
00:00:20,310 --> 00:00:17,990
houston station is ready

7
00:00:22,790 --> 00:00:20,320
national air and space museum this is

8
00:00:25,269 --> 00:00:22,800
mission control houston please call

9
00:00:28,150 --> 00:00:25,279
station for a voice check

10
00:00:30,390 --> 00:00:28,160
station this is leland in the ass cans

11
00:00:36,389 --> 00:00:30,400
at the national air and space museum

12
00:00:40,549 --> 00:00:39,030
leland and the ass cans we hear you loud

13
00:00:47,270 --> 00:00:40,559

and clear

14

00:00:51,189 --> 00:00:49,110

you guys are looking great up there

15

00:00:53,270 --> 00:00:51,199

mike's been pumping some steel up there

16

00:00:54,869 --> 00:00:53,280

or something

17

00:00:56,150 --> 00:00:54,879

all right

18

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

we're gonna

19

00:01:00,150 --> 00:00:58,800

go ahead mike

20

00:01:02,069 --> 00:01:00,160

we're going to take some questions from

21

00:01:05,910 --> 00:01:02,079

the students here in the audience

22

00:01:08,230 --> 00:01:05,920

well let's just say they make us do that

23

00:01:10,310 --> 00:01:08,240

you have to do that right just keep your

24

00:01:11,750 --> 00:01:10,320

bones and your muscles in shape

25

00:01:13,510 --> 00:01:11,760

so we're going to take some questions

26

00:01:14,950 --> 00:01:13,520

from the students i think the student's

27

00:01:19,190 --> 00:01:14,960

going to be lining up now is that

28

00:01:23,990 --> 00:01:21,109

we'll get them to line up and and then

29

00:01:26,149 --> 00:01:24,000

we'll ask you two questions in space

30

00:01:34,789 --> 00:01:26,159

what was the thing that got you so

31

00:01:38,789 --> 00:01:37,030

guys that's a long time ago uh leland

32

00:01:40,310 --> 00:01:38,799

i'm not sure if i can remember

33

00:01:42,149 --> 00:01:40,320

middle school but i certainly remember

34

00:01:43,910 --> 00:01:42,159

when i was in high school it was the

35

00:01:45,670 --> 00:01:43,920

early days of the shuttle program and

36

00:01:48,310 --> 00:01:45,680

getting to watch all of those launches

37

00:01:49,990 --> 00:01:48,320

that were happening every year uh that's

38

00:01:52,389 --> 00:01:50,000

definitely what inspired me about the

39

00:01:53,590 --> 00:01:52,399

the space program and wanted

40

00:01:57,429 --> 00:01:53,600

what

41

00:01:59,270 --> 00:01:57,439

astronaut someday

42

00:02:01,590 --> 00:01:59,280

fantastic

43

00:02:04,709 --> 00:02:01,600

rick what about you i know that was a

44

00:02:10,630 --> 00:02:04,719

really long time ago for you but uh

45

00:02:14,309 --> 00:02:12,229

oh i think

46

00:02:16,070 --> 00:02:14,319

thanks leland yeah i do remember

47

00:02:18,390 --> 00:02:16,080

actually back in when i was in sixth

48

00:02:19,910 --> 00:02:18,400

grade in that time frame and uh i

49

00:02:22,470 --> 00:02:19,920

remember whenever my teachers talked

50

00:02:24,790 --> 00:02:22,480

about space or talked about planets that

51
00:02:26,710 --> 00:02:24,800
would just uh interest me to no end it

52
00:02:28,390 --> 00:02:26,720
was my favorite subject and of course i

53
00:02:30,630 --> 00:02:28,400
was always interested in airplanes and

54
00:02:32,150 --> 00:02:30,640
flying and things like that so it just

55
00:02:34,710 --> 00:02:32,160
kind of naturally came together that i

56
00:02:36,550 --> 00:02:34,720
went and became an engineer and then i

57
00:02:38,229 --> 00:02:36,560
i decided to apply as an astronaut and

58
00:02:39,430 --> 00:02:38,239
of course it took me many many years and

59
00:02:41,190 --> 00:02:39,440
it took me a lot of hard work but

60
00:02:43,430 --> 00:02:41,200
eventually i did get selected so it

61
00:02:46,630 --> 00:02:43,440
started at a very young age it's just a

62
00:02:48,710 --> 00:02:46,640
an interesting subject for me

63
00:02:50,390 --> 00:02:48,720

fantastic thank you well you guys are

64

00:02:52,869 --> 00:02:50,400

you ready for some questions from some

65

00:02:55,589 --> 00:02:52,879

fantastic students from the dc metro

66

00:02:58,630 --> 00:02:57,110

okay

67

00:03:00,390 --> 00:02:58,640

we're ready would you please state your

68

00:03:01,509 --> 00:03:00,400

name and then ask the question what

69

00:03:03,830 --> 00:03:01,519

school you're from

70

00:03:06,070 --> 00:03:03,840

i'm from friendship blow peers i'm in

71

00:03:08,309 --> 00:03:06,080

sixth grade

72

00:03:10,869 --> 00:03:08,319

i would just like to ask

73

00:03:13,589 --> 00:03:10,879

if if you were not selected to be an

74

00:03:15,830 --> 00:03:13,599

astronaut what other career would you

75

00:03:19,430 --> 00:03:15,840

have chosen

76

00:03:23,350 --> 00:03:21,509

well that that's a great question and

77

00:03:25,830 --> 00:03:23,360

that's easy for me to answer because i

78

00:03:27,750 --> 00:03:25,840

was an engineer who worked at nasa and i

79

00:03:29,670 --> 00:03:27,760

worked at nasa for nine years as an

80

00:03:31,910 --> 00:03:29,680

engineer and then i worked in mission

81

00:03:33,750 --> 00:03:31,920

control so if i did not become an

82

00:03:36,149 --> 00:03:33,760

astronaut i would still be working for

83

00:03:39,030 --> 00:03:36,159

nasa it's a fantastic place to work it's

84

00:03:41,990 --> 00:03:39,040

got so many interesting jobs not just

85

00:03:44,149 --> 00:03:42,000

astronaut it has engineering jobs it has

86

00:03:46,470 --> 00:03:44,159

science scientists jobs for scientists

87

00:03:51,270 --> 00:03:46,480

doctors researchers all kinds of folks

88

00:03:51,280 --> 00:03:59,270

great question

89

00:04:05,270 --> 00:04:02,630

my name is nicholas uh and

90

00:04:07,830 --> 00:04:05,280

i'm from the capitol hill day school and

91

00:04:12,830 --> 00:04:07,840

i was wondering what do you research on

92

00:04:17,909 --> 00:04:15,509

station yeah nicholas that's a that's a

93

00:04:19,909 --> 00:04:17,919

great question and there is a ton of

94

00:04:21,189 --> 00:04:19,919

research going on up here in fact during

95

00:04:23,990 --> 00:04:21,199

our increment there's going to be over

96

00:04:25,990 --> 00:04:24,000

200 experiments going on and a lot of

97

00:04:27,749 --> 00:04:26,000

those experiments they range from ones

98

00:04:29,350 --> 00:04:27,759

that we don't have a lot of involvement

99

00:04:30,870 --> 00:04:29,360

in such as the alpha magnetic

100

00:04:33,270 --> 00:04:30,880

spectrometer which is looking for the

101
00:04:34,790 --> 00:04:33,280
origins of the universe what we do do is

102
00:04:36,469 --> 00:04:34,800
help keep the station running and it

103
00:04:38,390 --> 00:04:36,479
utilizes the power and the data and the

104
00:04:40,550 --> 00:04:38,400
communication streams to bring that data

105
00:04:43,030 --> 00:04:40,560
down to the ground then there's

106
00:04:45,189 --> 00:04:43,040
experiments where we're more involved so

107
00:04:46,710 --> 00:04:45,199
we're actually executing the experiments

108
00:04:48,390 --> 00:04:46,720
in conjunction with the principal

109
00:04:50,230 --> 00:04:48,400
investigator down on the ground so for

110
00:04:51,990 --> 00:04:50,240
example fluid flow

111
00:04:53,590 --> 00:04:52,000
type experiments and how they move in

112
00:04:55,590 --> 00:04:53,600
different shape vessels that's another

113
00:04:56,870 --> 00:04:55,600

one that we'll work on and then there's

114

00:04:58,310 --> 00:04:56,880

the experiments where we're very

115

00:05:00,790 --> 00:04:58,320

involved in because we're the guinea

116

00:05:02,310 --> 00:05:00,800

pigs and so there's a lot of those where

117

00:05:04,870 --> 00:05:02,320

we're trying to figure out what happens

118

00:05:06,950 --> 00:05:04,880

to the human body up in microgravity

119

00:05:09,270 --> 00:05:06,960

such as our spines expand and so we'll

120

00:05:11,510 --> 00:05:09,280

do things like we'll take ultrasounds of

121

00:05:12,870 --> 00:05:11,520

our spines and again that'll be working

122

00:05:14,230 --> 00:05:12,880

in conjunction with people on the ground

123

00:05:16,710 --> 00:05:14,240

that are going to take that data and

124

00:05:19,189 --> 00:05:16,720

analyze it and hopefully that'll help us

125

00:05:21,510 --> 00:05:19,199

decide or learn how we can protect

126

00:05:23,430 --> 00:05:21,520

astronauts maybe one of you someday when

127

00:05:26,150 --> 00:05:23,440

we do a long duration flight to mars or

128

00:05:26,160 --> 00:05:29,189

great question

129

00:05:29,199 --> 00:05:32,550

next question

130

00:05:37,510 --> 00:05:34,870

hello my name is johnny and i go to

131

00:05:39,909 --> 00:05:37,520

jefferson academy in washington d.c and

132

00:05:42,870 --> 00:05:39,919

my question is how different is the

133

00:05:49,830 --> 00:05:42,880

transition from being in space to coming

134

00:05:53,110 --> 00:05:52,070

yeah that's a good question when we uh

135

00:05:55,029 --> 00:05:53,120

launch

136

00:05:56,550 --> 00:05:55,039

and we arrive here on the space station

137

00:05:57,990 --> 00:05:56,560

our body goes through a lot of changes

138

00:05:59,749 --> 00:05:58,000

and then of course when we return back

139

00:06:01,909 --> 00:05:59,759

to earth our body goes through a lot of

140

00:06:03,510 --> 00:06:01,919

changes also and so it's a it's a good

141

00:06:05,670 --> 00:06:03,520

question it's a toss-up on which is more

142

00:06:07,350 --> 00:06:05,680

difficult or which is harder on the body

143

00:06:09,670 --> 00:06:07,360

i've been through both several times and

144

00:06:12,070 --> 00:06:09,680

i can tell you when we when we land the

145

00:06:14,070 --> 00:06:12,080

biggest uh thing that i notice is i feel

146

00:06:15,670 --> 00:06:14,080

very dehydrated we lose a lot of the

147

00:06:17,510 --> 00:06:15,680

fluids up here when we get into space

148

00:06:19,510 --> 00:06:17,520

because our because of the lack of

149

00:06:21,510 --> 00:06:19,520

gravity a lot of the blood shifts to our

150

00:06:24,150 --> 00:06:21,520

head and our body doesn't need all that

151
00:06:26,550 --> 00:06:24,160
fluid so it we it releases all the fluid

152
00:06:28,710 --> 00:06:26,560
by urinating more and just

153
00:06:30,070 --> 00:06:28,720
evaporation and sweating it out of

154
00:06:31,749 --> 00:06:30,080
course when we get back to earth the

155
00:06:33,110 --> 00:06:31,759
gravity is back so it pulls a lot of the

156
00:06:34,629 --> 00:06:33,120
blood back into our legs and we need

157
00:06:36,870 --> 00:06:34,639
that fluid again so i always feel very

158
00:06:38,309 --> 00:06:36,880
dehydrated and of course your vestibular

159
00:06:40,870 --> 00:06:38,319
system you feel dizzy you feel like

160
00:06:43,110 --> 00:06:40,880
you've been kind of on a a carnival ride

161
00:06:44,950 --> 00:06:43,120
for a few weeks so it takes some time

162
00:06:46,469 --> 00:06:44,960
before you get you're able to walk in a

163
00:06:48,710 --> 00:06:46,479

very stable and of course your muscles

164

00:06:50,870 --> 00:06:48,720

and your bones have atrophied or gotten

165

00:06:52,629 --> 00:06:50,880

weaker over over a long period of time

166

00:06:54,309 --> 00:06:52,639

but of course we exercise a lot to try

167

00:06:56,070 --> 00:06:54,319

to minimize that so your body goes

168

00:06:57,589 --> 00:06:56,080

through quite a few changes

169

00:06:59,670 --> 00:06:57,599

either when you're on your way up or on

170

00:07:05,510 --> 00:06:59,680

your way down

171

00:07:10,550 --> 00:07:08,309

hi my name is brook tuitt and i go to

172

00:07:12,790 --> 00:07:10,560

the bridges academy and i wanted to know

173

00:07:20,870 --> 00:07:12,800

how many levels of math would i need to

174

00:07:25,350 --> 00:07:23,189

every level you can find

175

00:07:27,029 --> 00:07:25,360

yeah you definitely need to study the

176

00:07:29,670 --> 00:07:27,039

math the science the engineering and

177

00:07:31,589 --> 00:07:29,680

school most of us have a background

178

00:07:33,110 --> 00:07:31,599

in that though there are

179

00:07:34,950 --> 00:07:33,120

there are astronauts that don't have

180

00:07:36,950 --> 00:07:34,960

that uh that kind of a background

181

00:07:39,430 --> 00:07:36,960

there's teachers out there

182

00:07:41,830 --> 00:07:39,440

so a lot of people are are involved in

183

00:07:43,270 --> 00:07:41,840

the astronaut program and but math is

184

00:07:44,629 --> 00:07:43,280

certainly important so i highly

185

00:07:48,790 --> 00:07:44,639

recommend uh

186

00:07:48,800 --> 00:07:56,629

that's a really good question

187

00:08:02,950 --> 00:08:00,869

i'm josie i'm from norwood school

188

00:08:06,150 --> 00:08:02,960

and

189

00:08:12,710 --> 00:08:06,160

if you had a choice what area in space

190

00:08:17,670 --> 00:08:14,710

so that is a great question where in

191

00:08:20,390 --> 00:08:17,680

space would we like to explore well

192

00:08:23,430 --> 00:08:20,400

i think the moon is a great place to

193

00:08:25,749 --> 00:08:23,440

visit it's very close to the earth

194

00:08:27,909 --> 00:08:25,759

it's only takes three days to get there

195

00:08:29,749 --> 00:08:27,919

and so if we want to visit or if there's

196

00:08:31,990 --> 00:08:29,759

a problem with the vehicle we could send

197

00:08:34,230 --> 00:08:32,000

help it's a great place to practice

198

00:08:36,790 --> 00:08:34,240

before we move on to more complicated or

199

00:08:38,389 --> 00:08:36,800

further places like mars or asteroids

200

00:08:42,469 --> 00:08:38,399

and things like that so i think the moon

201
00:08:45,990 --> 00:08:43,829
great question

202
00:08:47,509 --> 00:08:46,000
jessica do you have a question from mike

203
00:08:49,030 --> 00:08:47,519
or rick

204
00:08:50,710 --> 00:08:49,040
sure so

205
00:08:52,470 --> 00:08:50,720
this might apply to everybody you know

206
00:08:54,230 --> 00:08:52,480
all of us have worked really really hard

207
00:08:55,910 --> 00:08:54,240
our whole lives to get here and we've of

208
00:08:57,670 --> 00:08:55,920
course also had a lot of fun doing all

209
00:08:59,750 --> 00:08:57,680
the really cool things that we've been

210
00:09:01,590 --> 00:08:59,760
fortunate enough to do but i guess the

211
00:09:03,590 --> 00:09:01,600
question is you know all this hard work

212
00:09:05,590 --> 00:09:03,600
and all this time and waiting and for us

213
00:09:13,269 --> 00:09:05,600

that are going to wait so long is it

214

00:09:13,279 --> 00:09:16,550

yes

215

00:09:20,790 --> 00:09:18,630

yeah no it is definitely worth it it is

216

00:09:23,590 --> 00:09:20,800

the most amazing experience that i think

217

00:09:25,750 --> 00:09:23,600

you could ever have uh you know floating

218

00:09:28,070 --> 00:09:25,760

is is truly incredible and it never gets

219

00:09:30,389 --> 00:09:28,080

old um it's something that even as we're

220

00:09:32,630 --> 00:09:30,399

working all day long you just you just

221

00:09:34,710 --> 00:09:32,640

enjoy doing it and it's something that

222

00:09:36,630 --> 00:09:34,720

is uh unfortunate that we don't get to

223

00:09:38,230 --> 00:09:36,640

experience more down on earth but it is

224

00:09:39,670 --> 00:09:38,240

truly incredible the views of earth are

225

00:09:41,990 --> 00:09:39,680

truly incredible

226

00:09:43,829 --> 00:09:42,000

it is worth the wait

227

00:09:46,150 --> 00:09:43,839

fantastic

228

00:09:49,350 --> 00:09:46,160

okay next question here from my my

229

00:09:54,230 --> 00:09:50,710

come on up

230

00:09:55,910 --> 00:09:54,240

good morning my name is tony i am a

231

00:09:59,509 --> 00:09:55,920

student at

232

00:10:02,870 --> 00:09:59,519

friendship blow peers i want would like

233

00:10:06,069 --> 00:10:02,880

to ask you how did you feel when you

234

00:10:11,350 --> 00:10:06,079

were selected to be an astronaut

235

00:10:14,790 --> 00:10:13,030

that's a great question

236

00:10:16,949 --> 00:10:14,800

when i was first selected as an

237

00:10:18,790 --> 00:10:16,959

astronaut i could not even believe that

238

00:10:19,910 --> 00:10:18,800

it happened i remember getting a phone

239

00:10:22,150 --> 00:10:19,920

call

240

00:10:23,990 --> 00:10:22,160

and them telling me that i was selected

241

00:10:25,430 --> 00:10:24,000

as an astronaut and i said oh great

242

00:10:27,829 --> 00:10:25,440

thank you very much the phone call only

243

00:10:29,829 --> 00:10:27,839

lasted a few seconds and then i remember

244

00:10:31,590 --> 00:10:29,839

a couple hours later wondering if i

245

00:10:33,670 --> 00:10:31,600

really got that phone call or was i

246

00:10:35,110 --> 00:10:33,680

dreaming and i had a call the uh i

247

00:10:36,710 --> 00:10:35,120

remember had to call dwayne ross who

248

00:10:37,990 --> 00:10:36,720

works in the astronaut selection board

249

00:10:39,509 --> 00:10:38,000

say dwayne did i would really get

250

00:10:41,990 --> 00:10:39,519

selected he said yes rick you're not

251
00:10:45,990 --> 00:10:42,000
dreaming so it was a very exciting time

252
00:10:48,310 --> 00:10:46,000
for me and uh and i'll never forget it

253
00:10:50,150 --> 00:10:48,320
and and mike and rick dwayne ross is

254
00:10:52,389 --> 00:10:50,160
actually here with us today

255
00:10:54,150 --> 00:10:52,399
good question young man

256
00:10:55,990 --> 00:10:54,160
okay so we're going to go to social

257
00:10:57,430 --> 00:10:56,000
media now

258
00:10:59,990 --> 00:10:57,440
see what questions are out there so we

259
00:11:02,550 --> 00:11:00,000
have some great questions coming in and

260
00:11:04,630 --> 00:11:02,560
we have one from gregorio pollen

261
00:11:12,949 --> 00:11:04,640
who wants to know what does the space

262
00:11:16,790 --> 00:11:14,790
wow that's uh that's a big question i

263
00:11:19,190 --> 00:11:16,800

think there's going to be a huge are a

264

00:11:21,030 --> 00:11:19,200

lot of accomplishments this year again

265

00:11:23,110 --> 00:11:21,040

all in those science arenas i expect to

266

00:11:24,949 --> 00:11:23,120

see a lot of accomplishments there you

267

00:11:26,389 --> 00:11:24,959

know sometimes though the science the

268

00:11:28,310 --> 00:11:26,399

results from what we're doing up here

269

00:11:29,990 --> 00:11:28,320

take take a little time because we get

270

00:11:32,230 --> 00:11:30,000

we collect a lot of that data we send it

271

00:11:33,750 --> 00:11:32,240

down to the ground and and then the

272

00:11:36,550 --> 00:11:33,760

scientists they need to have time to

273

00:11:38,470 --> 00:11:36,560

look at that data to analyze it and to

274

00:11:39,590 --> 00:11:38,480

uh to come up with some results on that

275

00:11:41,190 --> 00:11:39,600

so

276

00:11:43,670 --> 00:11:41,200

a lot of what we're doing you may not

277

00:11:46,069 --> 00:11:43,680

see the results for that until uh two

278

00:11:47,590 --> 00:11:46,079

years from now and so you know there's

279

00:11:49,509 --> 00:11:47,600

going to be a lot of big accomplishments

280

00:11:51,269 --> 00:11:49,519

uh just by keeping the uh the space

281

00:11:52,550 --> 00:11:51,279

station running we've got more visiting

282

00:11:54,629 --> 00:11:52,560

vehicles that are going to be coming up

283

00:11:56,150 --> 00:11:54,639

here we've got we just had orbital come

284

00:11:57,750 --> 00:11:56,160

up we're going to have spacex coming up

285

00:12:00,310 --> 00:11:57,760

soon then another orbital we've got

286

00:12:01,670 --> 00:12:00,320

russian progress vehicles coming up and

287

00:12:03,350 --> 00:12:01,680

i'm sure there's going to be some more

288

00:12:05,110 --> 00:12:03,360

evas that are going to be planned uh

289

00:12:07,509 --> 00:12:05,120

this year as well so

290

00:12:08,710 --> 00:12:07,519

it's it's always busy and i expect a lot

291

00:12:10,389 --> 00:12:08,720

of great things are going to happen this

292

00:12:11,430 --> 00:12:10,399

year

293

00:12:13,829 --> 00:12:11,440

okay

294

00:12:15,670 --> 00:12:13,839

hey i think we have another question

295

00:12:17,829 --> 00:12:15,680

from the ask answer nick you've got a

296

00:12:19,750 --> 00:12:17,839

question yeah hey guys i i was wondering

297

00:12:22,310 --> 00:12:19,760

if you could um kind of share with the

298

00:12:24,310 --> 00:12:22,320

audience here we talked about working

299

00:12:26,230 --> 00:12:24,320

out and trying to prevent bone loss and

300

00:12:27,750 --> 00:12:26,240

muscle atrophy could you talk about some

301

00:12:29,509 --> 00:12:27,760

of the things that you did

302

00:12:31,030 --> 00:12:29,519

in terms of athletics growing up and

303

00:12:37,030 --> 00:12:31,040

maybe a little bit about what you have

304

00:12:42,069 --> 00:12:38,790

yeah that's a good question nick i

305

00:12:45,910 --> 00:12:44,069

flying in space space shuttle missions

306

00:12:47,829 --> 00:12:45,920

that i've done before now space station

307

00:12:49,829 --> 00:12:47,839

mission it's a team event it's a team

308

00:12:52,629 --> 00:12:49,839

sport so i think it's very important

309

00:12:54,949 --> 00:12:52,639

growing up to play team sports football

310

00:12:56,710 --> 00:12:54,959

baseball basketball soccer hockey all

311

00:12:59,670 --> 00:12:56,720

those different sports i think

312

00:13:01,910 --> 00:12:59,680

it gives you a big advantage to learn to

313

00:13:03,509 --> 00:13:01,920

play with your teammates to work with

314

00:13:05,110 --> 00:13:03,519

your teammates to work together to

315

00:13:06,550 --> 00:13:05,120

achieve a common goal because that's

316

00:13:08,069 --> 00:13:06,560

what we do up here it's exactly what we

317

00:13:09,269 --> 00:13:08,079

do up here when you're on a mission

318

00:13:10,470 --> 00:13:09,279

you're working with your crew mates

319

00:13:11,990 --> 00:13:10,480

you're working with the folks on the

320

00:13:14,150 --> 00:13:12,000

ground you're working with the

321

00:13:15,590 --> 00:13:14,160

scientists and it's one big team one big

322

00:13:17,269 --> 00:13:15,600

happy family and you have to learn to

323

00:13:19,430 --> 00:13:17,279

work together and the only way you're

324

00:13:21,190 --> 00:13:19,440

going to move forward and accomplish the

325

00:13:23,750 --> 00:13:21,200

goals is by working together so i think

326

00:13:25,910 --> 00:13:23,760

it's a directly related the team sports

327

00:13:28,230 --> 00:13:25,920

and the uh and the uh the missions that

328

00:13:29,990 --> 00:13:28,240

we do and growing up i played i played a

329

00:13:31,350 --> 00:13:30,000

lot of sports i played football i played

330

00:13:33,590 --> 00:13:31,360

basketball

331

00:13:35,190 --> 00:13:33,600

and uh lots of different things mostly

332

00:13:39,110 --> 00:13:35,200

in the street with my friends but also

333

00:13:41,030 --> 00:13:39,120

some organized sports uh in school

334

00:13:43,189 --> 00:13:41,040

great now mike if we ripped it together

335

00:13:45,110 --> 00:13:43,199

you know the wide receiver defensive

336

00:13:46,310 --> 00:13:45,120

back clash would be happening right now

337

00:13:48,389 --> 00:13:46,320

you know

338

00:13:51,350 --> 00:13:48,399

let's take another question from social

339

00:13:52,949 --> 00:13:51,360

media yeah you're going down

340

00:13:54,870 --> 00:13:52,959

okay

341

00:13:57,030 --> 00:13:54,880

sure so we have a question for the

342

00:13:58,629 --> 00:13:57,040

candidates uh

343

00:14:00,949 --> 00:13:58,639

in the tradition of the question asked

344

00:14:07,590 --> 00:14:00,959

to the mercury astronauts which one of

345

00:14:07,600 --> 00:14:10,150

which one

346

00:14:13,350 --> 00:14:11,430

they're going they going as a team

347

00:14:14,870 --> 00:14:13,360

together

348

00:14:17,910 --> 00:14:14,880

we're hoping for a big capsule they can

349

00:14:20,710 --> 00:14:18,949

okay

350

00:14:24,949 --> 00:14:20,720

any other social media maybe one more

351

00:14:33,509 --> 00:14:26,790

what aspect of the training have you

352

00:14:39,189 --> 00:14:35,829

yeah for me that's that's an easy one uh

353

00:14:41,269 --> 00:14:39,199

i enjoyed the eva training

354

00:14:43,030 --> 00:14:41,279

i enjoyed spending time uh in the suits

355

00:14:44,949 --> 00:14:43,040

in the water and it was just absolutely

356

00:14:46,629 --> 00:14:44,959

fantastic when you came up here we

357

00:14:48,389 --> 00:14:46,639

weren't scheduled to have an eva

358

00:14:49,910 --> 00:14:48,399

unfortunately we had some problems with

359

00:14:51,350 --> 00:14:49,920

the station with the cooling loop

360

00:14:53,829 --> 00:14:51,360

external cooling loop and so we had to

361

00:14:55,990 --> 00:14:53,839

go outside in december and fix it and

362

00:14:57,590 --> 00:14:56,000

and so getting to take that training all

363

00:14:59,750 --> 00:14:57,600

of that training that that we spent down

364

00:15:05,189 --> 00:14:59,760

on the ground and apply it up here was

365

00:15:10,470 --> 00:15:08,069

i think drew you got a question

366

00:15:13,269 --> 00:15:10,480

hey mike rick uh drew down here back on

367

00:15:14,710 --> 00:15:13,279

earth i had a question or actually i was

368

00:15:17,030 --> 00:15:14,720

going to ask you rather than

369

00:15:18,470 --> 00:15:17,040

just floating around there sitting i was

370

00:15:21,030 --> 00:15:18,480

wondering if you could do some acrobatic

371

00:15:22,949 --> 00:15:21,040

tricks for us

372

00:15:24,629 --> 00:15:22,959

we call those stupid astronaut tricks

373

00:15:33,430 --> 00:15:24,639

okay yeah i could get mike to do some

374

00:15:36,870 --> 00:15:34,710

now i got to give him a cookie or

375

00:15:41,030 --> 00:15:36,880

something

376

00:15:46,310 --> 00:15:43,269

good job good job

377

00:15:49,590 --> 00:15:46,320

okay any more social media questions

378

00:15:51,350 --> 00:15:49,600

sure uh women in the air wants to know

379

00:15:54,790 --> 00:15:51,360

how has life changed since being

380

00:15:58,310 --> 00:15:55,829

okay

381

00:16:00,710 --> 00:15:58,320

any for them

382

00:16:02,230 --> 00:16:00,720

that's for us up here or on the ground

383

00:16:03,670 --> 00:16:02,240

i think that's on the ground

384

00:16:05,670 --> 00:16:03,680

but we'll get another one to you in a

385

00:16:07,350 --> 00:16:05,680

sec

386

00:16:09,350 --> 00:16:07,360

well i think it's every aspect of our

387

00:16:10,870 --> 00:16:09,360

lives has really changed and for for

388

00:16:12,710 --> 00:16:10,880

pretty much all of us it's just a dream

389

00:16:14,069 --> 00:16:12,720

come true and it's still really

390

00:16:15,509 --> 00:16:14,079

difficult to believe you know every

391

00:16:17,350 --> 00:16:15,519

morning we wake up and feel like we have

392

00:16:19,269 --> 00:16:17,360

to pinch ourselves to think could this

393

00:16:21,350 --> 00:16:19,279

dream that i had since i was five years

394

00:16:23,269 --> 00:16:21,360

old how could it have actually come true

395

00:16:25,350 --> 00:16:23,279

and all of us had these careers that we

396

00:16:27,110 --> 00:16:25,360

absolutely loved

397

00:16:28,629 --> 00:16:27,120

before doing this and so you know it's a

398

00:16:30,470 --> 00:16:28,639

little bit sad to leave those careers

399

00:16:32,870 --> 00:16:30,480

but of course at any cost of getting our

400

00:16:34,949 --> 00:16:32,880

dream our days have changed entirely we

401
00:16:36,629 --> 00:16:34,959
all moved together to houston and and

402
00:16:38,629 --> 00:16:36,639
now all became a family together which

403
00:16:40,550 --> 00:16:38,639
has been another huge part of it so i

404
00:16:42,230 --> 00:16:40,560
think really every aspect of our lives

405
00:16:43,829 --> 00:16:42,240
has changed but all in positive

406
00:16:44,790 --> 00:16:43,839
wonderful ways

407
00:16:46,949 --> 00:16:44,800
great

408
00:16:48,629 --> 00:16:46,959
hey mike and rick can you tell the

409
00:16:50,310 --> 00:16:48,639
students here where you're actually

410
00:16:52,230 --> 00:16:50,320
floating what is the module that you're

411
00:16:57,990 --> 00:16:52,240
currently in and what are the things

412
00:17:03,030 --> 00:16:59,749
yeah right now we're in the u.s

413
00:17:04,470 --> 00:17:03,040

laboratory behind us is a node two and

414

00:17:06,150 --> 00:17:04,480

that's where we sleep and that's where

415

00:17:08,069 --> 00:17:06,160

we uh where we sleep at night we each

416

00:17:10,630 --> 00:17:08,079

have a small crew quarters

417

00:17:13,029 --> 00:17:10,640

uh forward of us or after the space

418

00:17:14,549 --> 00:17:13,039

station is the russian segment here in

419

00:17:16,390 --> 00:17:14,559

the u.s laboratory there's a lot of

420

00:17:19,510 --> 00:17:16,400

different uh science racks we have an

421

00:17:21,750 --> 00:17:19,520

exercise bike to bike to our right

422

00:17:23,829 --> 00:17:21,760

on our left uh we have a

423

00:17:25,110 --> 00:17:23,839

it's a glove box a micro gravity science

424

00:17:26,710 --> 00:17:25,120

glove box so there's a science

425

00:17:28,950 --> 00:17:26,720

experiment in there right now we have

426

00:17:31,110 --> 00:17:28,960

freezers off over here right over the

427

00:17:33,270 --> 00:17:31,120

camera again you can't see it we have a

428

00:17:35,510 --> 00:17:33,280

so to speak a galley where we get uh we

429

00:17:36,470 --> 00:17:35,520

drink uh get our drinking water and fill

430

00:17:38,789 --> 00:17:36,480

up our

431

00:17:40,870 --> 00:17:38,799

food bags and rehydrate our water i

432

00:17:42,470 --> 00:17:40,880

should say so this is a very busy place

433

00:17:45,590 --> 00:17:42,480

this is kind of the center of the u.s

434

00:17:47,909 --> 00:17:45,600

segment right here this u.s laboratory

435

00:17:49,430 --> 00:17:47,919

fantastic well mike and rick we're

436

00:17:51,350 --> 00:17:49,440

really proud of both of you what you're

437

00:17:53,909 --> 00:17:51,360

doing to help advance our civilization

438

00:17:55,590 --> 00:17:53,919

through space travel and you guys look

439

00:17:57,830 --> 00:17:55,600

really great we wish we could be there

440

00:17:59,510 --> 00:17:57,840

with you especially my ass cam buddies

441

00:18:00,870 --> 00:17:59,520

which they could be there with you but

442

00:18:02,549 --> 00:18:00,880

uh we look forward to you coming back

443

00:18:04,310 --> 00:18:02,559

home sometime soon we'll get you a nice

444

00:18:05,990 --> 00:18:04,320

greasy cheeseburger for you to eat when

445

00:18:08,150 --> 00:18:06,000

you get back home

446

00:18:10,070 --> 00:18:08,160

all right thank you so much for this

447

00:18:11,909 --> 00:18:10,080

time with the kids and

448

00:18:13,830 --> 00:18:11,919

these future explorers our future

449

00:18:22,630 --> 00:18:13,840

astronauts give them a big round of

450

00:18:34,070 --> 00:18:24,710

and we probably have 30 seconds left for

451

00:18:41,750 --> 00:18:35,510

i'll hold the microphone while he does

452

00:18:44,950 --> 00:18:43,590

all right you guys look great thank you