



1  
00:01:12,940 --> 00:01:05,189  
[Music]

2  
00:01:18,710 --> 00:01:12,950  
t-minus 30 seconds

3  
00:01:20,480 --> 00:01:18,720  
[Music]

4  
00:01:24,390 --> 00:01:20,490  
we are go for launch

5  
00:01:32,069 --> 00:01:28,230  
t-minus 10 9 8

6  
00:01:35,270 --> 00:01:32,079  
7 6 5 4

7  
00:01:37,350 --> 00:01:35,280  
3 2 1.

8  
00:01:39,510 --> 00:01:37,360  
welcome to the nasa social for the crew

9  
00:01:44,630 --> 00:01:39,520  
1 mission to the international space

10  
00:02:21,750 --> 00:01:55,660  
[Music]

11  
00:02:26,470 --> 00:02:24,070  
good afternoon everyone and welcome back

12  
00:02:28,229 --> 00:02:26,480  
to the virtual nasa social for the crew

13  
00:02:29,030 --> 00:02:28,239

one mission to the international space

14

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

station

15

00:02:32,710 --> 00:02:30,800

if you're just joining us for the first

16

00:02:34,790 --> 00:02:32,720

time today we want to tell you a little

17

00:02:37,350 --> 00:02:34,800

bit more about the launch that is

18

00:02:41,110 --> 00:02:37,360

currently scheduled for november 14th

19

00:02:41,910 --> 00:02:41,120

at 7 49 pm eastern time so back in may

20

00:02:44,309 --> 00:02:41,920

you might have

21

00:02:45,350 --> 00:02:44,319

watched as astronauts bob behnken and

22

00:02:46,949 --> 00:02:45,360

doug hurley

23

00:02:49,190 --> 00:02:46,959

launched to the international space

24

00:02:51,270 --> 00:02:49,200

station aboard the demo 2 mission

25

00:02:53,990 --> 00:02:51,280

so that mission was kind of the last

26

00:02:56,150 --> 00:02:54,000

step in certification for spacex to fly

27

00:02:57,270 --> 00:02:56,160

astronauts regularly to and from the

28

00:02:58,630 --> 00:02:57,280

space station

29

00:03:01,190 --> 00:02:58,640

and what that means is that they've been

30

00:03:03,990 --> 00:03:01,200

working with nasa for several years now

31

00:03:05,830 --> 00:03:04,000

to ensure that their capabilities are

32

00:03:08,630 --> 00:03:05,840

safe and reliable to fly

33

00:03:10,550 --> 00:03:08,640

crews to and from earth and so crew one

34

00:03:12,790 --> 00:03:10,560

will actually be the first

35

00:03:13,830 --> 00:03:12,800

mission where spacex is certified to

36

00:03:17,030 --> 00:03:13,840

regularly

37

00:03:18,550 --> 00:03:17,040

fly crews to and from the space station

38

00:03:20,070 --> 00:03:18,560

also if this is your first time joining

39

00:03:21,990 --> 00:03:20,080

us we want to let you know if you have

40

00:03:23,830 --> 00:03:22,000

questions throughout this program

41

00:03:25,509 --> 00:03:23,840

you can go ahead and drop them in the

42

00:03:27,990 --> 00:03:25,519

youtube chat and we may

43

00:03:28,550 --> 00:03:28,000

just answer them live so we have a

44

00:03:31,270 --> 00:03:28,560

really

45

00:03:32,149 --> 00:03:31,280

awesome guest with us today she is a

46

00:03:35,430 --> 00:03:32,159

lead design

47

00:03:37,670 --> 00:03:35,440

engineer for the commercial crew program

48

00:03:39,190 --> 00:03:37,680

so i'm going to toss it out to my

49

00:03:41,509 --> 00:03:39,200

colleague allison she is

50

00:03:43,750 --> 00:03:41,519

at the launch complex 39 observation

51  
00:03:45,589 --> 00:03:43,760  
deck and she's going to be chatting with

52  
00:03:48,869 --> 00:03:45,599  
sam testa about her role within the

53  
00:03:52,789 --> 00:03:50,630  
thank you madison yes i'm nasa

54  
00:03:53,190 --> 00:03:52,799  
communicator allison tankersley and i am

55  
00:03:56,070 --> 00:03:53,200  
live

56  
00:03:57,830 --> 00:03:56,080  
at the gantry with lead design engineer

57  
00:03:59,350 --> 00:03:57,840  
for astronaut centrifuge training sam

58  
00:04:00,949 --> 00:03:59,360  
testa sam thank you for being here today

59  
00:04:02,149 --> 00:04:00,959  
thank you so much for having me

60  
00:04:03,910 --> 00:04:02,159  
well it's been a pleasure now can you

61  
00:04:05,509 --> 00:04:03,920  
please tell us what is astronaut

62  
00:04:07,990 --> 00:04:05,519  
centrifuge training

63  
00:04:09,670 --> 00:04:08,000

as a whole yes astronaut centrifuge

64

00:04:10,470 --> 00:04:09,680

training gives the crew the chance to

65

00:04:11,990 --> 00:04:10,480

experience

66

00:04:14,390 --> 00:04:12,000

what launch and re-entry is going to

67

00:04:16,069 --> 00:04:14,400

feel like prior to day of launch

68

00:04:18,949 --> 00:04:16,079

so they'll go through up at the wright

69

00:04:20,870 --> 00:04:18,959

patterson air force base in dayton ohio

70

00:04:22,150 --> 00:04:20,880

a centrifuge training experience

71

00:04:25,350 --> 00:04:22,160

consisting of

72

00:04:27,350 --> 00:04:25,360

launch re-entry landing and an abort

73

00:04:28,390 --> 00:04:27,360

profile for their spacex crew dragon

74

00:04:30,230 --> 00:04:28,400

capsule

75

00:04:32,710 --> 00:04:30,240

what you can see right now is victor

76

00:04:34,629 --> 00:04:32,720

getting suited up in a mock spacesuit

77

00:04:36,710 --> 00:04:34,639

and he'll make his way over to the

78

00:04:39,270 --> 00:04:36,720

gondola portion of the centrifuge

79

00:04:40,550 --> 00:04:39,280

where he'll get strapped into his seat

80

00:04:42,230 --> 00:04:40,560

the door will be closed and he'll be

81

00:04:44,310 --> 00:04:42,240

ready to spin

82

00:04:45,270 --> 00:04:44,320

that truly sounds like a very immersive

83

00:04:47,590 --> 00:04:45,280

training experience

84

00:04:48,790 --> 00:04:47,600

oh yeah it's a lot of fun so this is

85

00:04:50,070 --> 00:04:48,800

just one of the many trainings that the

86

00:04:51,189 --> 00:04:50,080

commercial crew program goes through

87

00:04:53,430 --> 00:04:51,199

before they

88

00:04:54,310 --> 00:04:53,440

get on for their mission yes they train

89

00:04:57,590 --> 00:04:54,320

for

90

00:04:58,710 --> 00:04:57,600

missions that they'll be flying

91

00:05:00,310 --> 00:04:58,720

especially this one up to the

92

00:05:01,670 --> 00:05:00,320

international space station where

93

00:05:02,390 --> 00:05:01,680

they'll be performing science and

94

00:05:04,310 --> 00:05:02,400

research

95

00:05:05,590 --> 00:05:04,320

that'll eventually help us get us to uh

96

00:05:07,110 --> 00:05:05,600

the moon and mars

97

00:05:08,950 --> 00:05:07,120

well it all is truly exciting can you

98

00:05:10,310 --> 00:05:08,960

tell me a little bit about how did you

99

00:05:12,790 --> 00:05:10,320

get to where you are today

100

00:05:13,350 --> 00:05:12,800

yeah i have always wanted to work at

101  
00:05:15,270 --> 00:05:13,360  
nasa

102  
00:05:16,870 --> 00:05:15,280  
it's been a dream of mine since about

103  
00:05:18,710 --> 00:05:16,880  
third grade and i had a really

104  
00:05:21,510 --> 00:05:18,720  
supportive family who

105  
00:05:23,670 --> 00:05:21,520  
helped me get into stem programs and you

106  
00:05:25,990 --> 00:05:23,680  
know support projects i would do at home

107  
00:05:28,310 --> 00:05:26,000  
and i was lucky enough in college

108  
00:05:29,590 --> 00:05:28,320  
to get an internship and then eventually

109  
00:05:30,310 --> 00:05:29,600  
a full-time job here at the kennedy

110  
00:05:31,670 --> 00:05:30,320  
space center

111  
00:05:32,950 --> 00:05:31,680  
well that's awesome and we are so

112  
00:05:34,310 --> 00:05:32,960  
thrilled you were able to follow your

113  
00:05:34,870 --> 00:05:34,320

dream and end up at the kennedy space

114

00:05:37,510 --> 00:05:34,880

center

115

00:05:39,029 --> 00:05:37,520

we do have an ask nasa question what are

116

00:05:39,510 --> 00:05:39,039

you looking forward to most about this

117

00:05:41,749 --> 00:05:39,520

mission

118

00:05:43,830 --> 00:05:41,759

great oh i'm looking forward to having a

119

00:05:45,110 --> 00:05:43,840

full crew of four astronauts who are

120

00:05:47,830 --> 00:05:45,120

launching the station

121

00:05:49,510 --> 00:05:47,840

for the first of many launches with our

122

00:05:50,710 --> 00:05:49,520

spacex partners

123

00:05:53,189 --> 00:05:50,720

you know they'll be up there for about

124

00:05:54,550 --> 00:05:53,199

six months and this crew is really great

125

00:05:55,990 --> 00:05:54,560

we got to spend a full day with them

126

00:05:57,029 --> 00:05:56,000

when they did centrifuge training they

127

00:05:58,469 --> 00:05:57,039

were a lot of fun

128

00:06:00,070 --> 00:05:58,479

we really enjoyed spending time with

129

00:06:01,270 --> 00:06:00,080

them and we're really excited to see

130

00:06:02,710 --> 00:06:01,280

them launch they've been looking forward

131

00:06:04,469 --> 00:06:02,720

to it for a very long time

132

00:06:06,230 --> 00:06:04,479

so you did do the centrifuge training

133

00:06:08,230 --> 00:06:06,240

with these astronauts that are going up

134

00:06:09,510 --> 00:06:08,240

yes um i was there with a couple of them

135

00:06:11,270 --> 00:06:09,520

i was actually um

136

00:06:13,110 --> 00:06:11,280

away for they didn't come together as a

137

00:06:14,710 --> 00:06:13,120

crew as they usually do their schedules

138

00:06:15,830 --> 00:06:14,720

are very tight so we have to fit it in

139

00:06:17,430 --> 00:06:15,840

where we can

140

00:06:19,590 --> 00:06:17,440

but i was there with victor and a couple

141

00:06:21,350 --> 00:06:19,600

others when they did their training day

142

00:06:22,870 --> 00:06:21,360

awesome and i heard word on the street

143

00:06:24,150 --> 00:06:22,880

is you actually got to do this training

144

00:06:24,550 --> 00:06:24,160

keith tell me a little bit about that i

145

00:06:27,270 --> 00:06:24,560

did

146

00:06:27,830 --> 00:06:27,280

yeah um i'm also the test subject for

147

00:06:29,749 --> 00:06:27,840

the project

148

00:06:31,670 --> 00:06:29,759

along with a couple other of my

149

00:06:33,189 --> 00:06:31,680

colleagues who are on the program

150

00:06:35,110 --> 00:06:33,199

and we were able to do the full

151  
00:06:35,909 --> 00:06:35,120  
experience it's about 40 minutes in the

152  
00:06:38,309 --> 00:06:35,919  
centrifuge

153  
00:06:40,230 --> 00:06:38,319  
um following from launch all the way

154  
00:06:43,270 --> 00:06:40,240  
through the abort profile and

155  
00:06:43,670 --> 00:06:43,280  
it's it's quite a ride i bet so would

156  
00:06:45,189 --> 00:06:43,680  
you say

157  
00:06:47,110 --> 00:06:45,199  
if it was me that'd be my favorite part

158  
00:06:48,309 --> 00:06:47,120  
but what's your favorite part that is my

159  
00:06:49,909 --> 00:06:48,319  
favorite that was it yeah

160  
00:06:51,749 --> 00:06:49,919  
absolutely getting to ride the

161  
00:06:53,589 --> 00:06:51,759  
centrifuge and then work with the crew

162  
00:06:55,430 --> 00:06:53,599  
and we have such a great team of

163  
00:06:57,350 --> 00:06:55,440

engineers and doctors

164

00:06:58,710 --> 00:06:57,360

um we have some crew who are actually on

165

00:07:00,710 --> 00:06:58,720

the team with us

166

00:07:02,230 --> 00:07:00,720

uh it's just it's a great experience

167

00:07:03,589 --> 00:07:02,240

it's one of my favorite projects

168

00:07:05,749 --> 00:07:03,599

i bet and we do have a question on

169

00:07:07,510 --> 00:07:05,759

social how important is it for the crew

170

00:07:10,150 --> 00:07:07,520

to practice in these simulations

171

00:07:11,029 --> 00:07:10,160

it's hugely important being able to

172

00:07:12,710 --> 00:07:11,039

experience

173

00:07:14,870 --> 00:07:12,720

launch and reentry before they get into

174

00:07:16,629 --> 00:07:14,880

their capsule not only gives them the

175

00:07:17,909 --> 00:07:16,639

chance to practice and prepare

176

00:07:20,150 --> 00:07:17,919

for what it's going to feel like when

177

00:07:22,629 --> 00:07:20,160

they're under intense g-loading

178

00:07:23,830 --> 00:07:22,639

but it also gives them a chance to get a

179

00:07:24,790 --> 00:07:23,840

little bit more comfortable with the

180

00:07:26,710 --> 00:07:24,800

environment

181

00:07:28,230 --> 00:07:26,720

and give them that experience to take

182

00:07:30,710 --> 00:07:28,240

away that little bit of extra worry that

183

00:07:32,870 --> 00:07:30,720

they may have before they launch

184

00:07:34,230 --> 00:07:32,880

and what advice would you give then to

185

00:07:35,029 --> 00:07:34,240

anyone who is interested in a career

186

00:07:37,350 --> 00:07:35,039

like this

187

00:07:38,230 --> 00:07:37,360

how did you get to be this specific

188

00:07:40,150 --> 00:07:38,240

position

189

00:07:41,909 --> 00:07:40,160

oh follow follow what you want to do

190

00:07:43,670 --> 00:07:41,919

don't let anybody you know tell you that

191

00:07:45,110 --> 00:07:43,680

you can't do something if you want it

192

00:07:46,469 --> 00:07:45,120

and you work hard enough you can

193

00:07:48,309 --> 00:07:46,479

absolutely get there

194

00:07:50,550 --> 00:07:48,319

and i was lucky enough to have the

195

00:07:51,830 --> 00:07:50,560

support system to get to where i am

196

00:07:53,589 --> 00:07:51,840

you know i've always been a little bit

197

00:07:55,749 --> 00:07:53,599

more mechanically inclined i went to

198

00:07:58,710 --> 00:07:55,759

school to be a mechanical engineer

199

00:08:00,550 --> 00:07:58,720

before i started working here and one of

200

00:08:01,270 --> 00:08:00,560

the best pieces of advice i think i've

201  
00:08:03,990 --> 00:08:01,280  
ever gotten

202  
00:08:05,270 --> 00:08:04,000  
is if you get an opportunity to always

203  
00:08:06,469 --> 00:08:05,280  
try and take it

204  
00:08:08,469 --> 00:08:06,479  
because you never know where it could

205  
00:08:09,830 --> 00:08:08,479  
lead you somewhere down the line

206  
00:08:11,990 --> 00:08:09,840  
yeah i think that's the advice i hear

207  
00:08:13,589 --> 00:08:12,000  
all the time at nasa is just say yes

208  
00:08:15,430 --> 00:08:13,599  
and see where you get to go with these

209  
00:08:17,510 --> 00:08:15,440  
opportunities yeah and that's follow-up

210  
00:08:18,950 --> 00:08:17,520  
to we have a viewer heidi

211  
00:08:20,390 --> 00:08:18,960  
what can you share with my twin

212  
00:08:22,869 --> 00:08:20,400  
daughters about the best route of

213  
00:08:25,029 --> 00:08:22,879

engineering or piloting for space

214

00:08:26,869 --> 00:08:25,039

oh the best route that's a good question

215

00:08:28,550 --> 00:08:26,879

i don't know that there is a best route

216

00:08:29,909 --> 00:08:28,560

i think that a lot of people come into

217

00:08:31,510 --> 00:08:29,919

these jobs looking for

218

00:08:32,949 --> 00:08:31,520

you know one way to get to where you

219

00:08:34,709 --> 00:08:32,959

want to go and i think that there are

220

00:08:37,190 --> 00:08:34,719

always multitude of paths

221

00:08:38,870 --> 00:08:37,200

to get you there mine was just one of

222

00:08:40,709 --> 00:08:38,880

many i have many friends who

223

00:08:41,990 --> 00:08:40,719

are also lead design engineers who

224

00:08:44,310 --> 00:08:42,000

studied electrical

225

00:08:45,990 --> 00:08:44,320

or software engineering you don't have

226

00:08:47,030 --> 00:08:46,000

to be mechanical to get to this type of

227

00:08:49,670 --> 00:08:47,040

a job

228

00:08:50,550 --> 00:08:49,680

you just have to work hard and and take

229

00:08:52,470 --> 00:08:50,560

control of the

230

00:08:54,550 --> 00:08:52,480

opportunities that are presented to you

231

00:08:55,829 --> 00:08:54,560

and that is great advice and so

232

00:08:57,670 --> 00:08:55,839

you've done the centrifuge changing is

233

00:08:59,990 --> 00:08:57,680

it something you get to do again yes

234

00:09:01,829 --> 00:09:00,000

um we're actually going to be there in

235

00:09:03,750 --> 00:09:01,839

spring of next year with crew 2 who will

236

00:09:04,230 --> 00:09:03,760

be also launching with spacex on a crew

237

00:09:05,509 --> 00:09:04,240

dragon

238

00:09:06,790 --> 00:09:05,519

awesome so you get to do it more than

239

00:09:08,470 --> 00:09:06,800

once but how many times do the

240

00:09:11,509 --> 00:09:08,480

astronauts do it before they go

241

00:09:13,350 --> 00:09:11,519

they get to experience the centrifuge

242

00:09:14,790 --> 00:09:13,360

just for that one day because their

243

00:09:17,110 --> 00:09:14,800

schedules are so tight so

244

00:09:17,829 --> 00:09:17,120

they get at least one full round of

245

00:09:19,670 --> 00:09:17,839

training

246

00:09:21,190 --> 00:09:19,680

and sometimes if we have extra time

247

00:09:22,710 --> 00:09:21,200

they're offered to

248

00:09:24,710 --> 00:09:22,720

and they would do it as many times as we

249

00:09:26,310 --> 00:09:24,720

would allow them to trust me

250

00:09:27,590 --> 00:09:26,320

but uh because their schedules are so

251

00:09:28,550 --> 00:09:27,600

tight it's really just one day of

252

00:09:30,630 --> 00:09:28,560

training

253

00:09:32,230 --> 00:09:30,640

well that's i'm sure a very full pack

254

00:09:33,509 --> 00:09:32,240

day and that's exciting that they want

255

00:09:35,030 --> 00:09:33,519

to do it again and again i think that

256

00:09:35,990 --> 00:09:35,040

really speaks to their passion about the

257

00:09:38,310 --> 00:09:36,000

job yeah fun

258

00:09:40,070 --> 00:09:38,320

fact if you've ever been on disney

259

00:09:41,190 --> 00:09:40,080

world's mission to mars ride you've

260

00:09:42,870 --> 00:09:41,200

actually ridden the same type of

261

00:09:44,070 --> 00:09:42,880

centrifuge that the astronauts used

262

00:09:45,590 --> 00:09:44,080

during this training

263

00:09:46,870 --> 00:09:45,600

the company that built the disney ride

264

00:09:47,750 --> 00:09:46,880

also built the wright patterson

265

00:09:49,590 --> 00:09:47,760

centrifuge

266

00:09:51,350 --> 00:09:49,600

and have you had any like was there any

267

00:09:52,470 --> 00:09:51,360

crazy stories of any reactions after

268

00:09:55,509 --> 00:09:52,480

writing the centrifuge

269

00:09:56,389 --> 00:09:55,519

no moments no one's gotten sick

270

00:09:58,230 --> 00:09:56,399

thankfully

271

00:09:59,829 --> 00:09:58,240

it's a little bit of an unnatural

272

00:10:00,949 --> 00:09:59,839

feeling you know it's definitely a crazy

273

00:10:02,630 --> 00:10:00,959

ride but

274

00:10:04,790 --> 00:10:02,640

no one's gotten sick everyone's had a

275

00:10:06,710 --> 00:10:04,800

really good time and i think the

276

00:10:08,470 --> 00:10:06,720

uh most interesting comment we've gotten

277

00:10:10,870 --> 00:10:08,480

is from astronaut eric beau

278

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

who said that the gx experience felt

279

00:10:13,990 --> 00:10:12,720

like a small elephant was sitting on his

280

00:10:16,389 --> 00:10:14,000

chest

281

00:10:18,550 --> 00:10:16,399

i can imagine that feeling and maybe i'm

282

00:10:19,990 --> 00:10:18,560

not cut out for the gig but i do want to

283

00:10:21,910 --> 00:10:20,000

know has anyone

284

00:10:23,750 --> 00:10:21,920

gone into this interviews training that

285

00:10:25,829 --> 00:10:23,760

has already been

286

00:10:27,030 --> 00:10:25,839

discussed yeah what did they say about

287

00:10:28,630 --> 00:10:27,040

it they thought

288

00:10:30,310 --> 00:10:28,640

um that the training has gotten much

289

00:10:31,990 --> 00:10:30,320

better you know we start with a testing

290

00:10:33,829 --> 00:10:32,000

point with a generic profile and then

291

00:10:35,990 --> 00:10:33,839

we've been moving into a more

292

00:10:37,750 --> 00:10:36,000

realistic profile as we get data from

293

00:10:39,269 --> 00:10:37,760

the flown vehicles

294

00:10:40,790 --> 00:10:39,279

and this last centrifuge training was

295

00:10:42,790 --> 00:10:40,800

our highest fidelity yet

296

00:10:44,470 --> 00:10:42,800

and we got really positive feedback from

297

00:10:47,110 --> 00:10:44,480

the crew who have flown

298

00:10:49,030 --> 00:10:47,120

both from shuttle and on the soyuz

299

00:10:50,230 --> 00:10:49,040

saying that it was very realistic

300

00:10:51,910 --> 00:10:50,240

and that they think it's going to be a

301  
00:10:53,590 --> 00:10:51,920  
very positive training for the crew to

302  
00:10:54,790 --> 00:10:53,600  
experience prior to day of flight

303  
00:10:56,710 --> 00:10:54,800  
awesome i'm sure that speaks to you and

304  
00:10:57,990 --> 00:10:56,720  
your team you love to hear that it's an

305  
00:10:59,750 --> 00:10:58,000  
amazing team of people

306  
00:11:02,150 --> 00:10:59,760  
and it couldn't be done without any of

307  
00:11:03,430 --> 00:11:02,160  
them you know this team is really a very

308  
00:11:05,269 --> 00:11:03,440  
high functioning group

309  
00:11:07,269 --> 00:11:05,279  
and i'm absolutely honored to be a part

310  
00:11:09,269 --> 00:11:07,279  
of it and we have another question from

311  
00:11:09,670 --> 00:11:09,279  
nasa social what is your personal next

312  
00:11:11,910 --> 00:11:09,680  
goal

313  
00:11:13,030 --> 00:11:11,920

what's after this oh so that's a good

314

00:11:15,430 --> 00:11:13,040

question

315

00:11:16,470 --> 00:11:15,440

my ultimate goal personally is to be an

316

00:11:19,430 --> 00:11:16,480

astronaut myself

317

00:11:20,310 --> 00:11:19,440

i just applied to the crew the crew call

318

00:11:22,389 --> 00:11:20,320

in

319

00:11:23,910 --> 00:11:22,399

late last year i believe is when it came

320

00:11:25,110 --> 00:11:23,920

out or early this year is when it

321

00:11:27,190 --> 00:11:25,120

started

322

00:11:28,949 --> 00:11:27,200

but unfortunately because of covid they

323

00:11:29,509 --> 00:11:28,959

are on pause with the program right now

324

00:11:31,990 --> 00:11:29,519

to

325

00:11:33,750 --> 00:11:32,000

be accepting new candidates however they

326

00:11:34,630 --> 00:11:33,760

are hoping to reopen it in spring of

327

00:11:38,230 --> 00:11:34,640

next year

328

00:11:40,470 --> 00:11:38,240

um where you know i'm one of 12 000

329

00:11:42,150 --> 00:11:40,480

who applied so it's really just keeping

330

00:11:43,990 --> 00:11:42,160

my fingers crossed and

331

00:11:45,590 --> 00:11:44,000

we'll see but that would be my ultimate

332

00:11:46,870 --> 00:11:45,600

goal well that's a big next step but i

333

00:11:48,389 --> 00:11:46,880

think you're on the right track

334

00:11:49,910 --> 00:11:48,399

with the training you've got going on

335

00:11:51,990 --> 00:11:49,920

you've already done the simulator

336

00:11:52,949 --> 00:11:52,000

so that's awesome and i think that's

337

00:11:54,550 --> 00:11:52,959

testament to just

338

00:11:56,389 --> 00:11:54,560

you know always following what comes

339

00:11:57,670 --> 00:11:56,399

next at nasa just saying yes to things

340

00:12:00,150 --> 00:11:57,680

you're going after your dreams and we

341

00:12:01,750 --> 00:12:00,160

love to see that here we did have one

342

00:12:02,870 --> 00:12:01,760

question though specifically on what did

343

00:12:05,110 --> 00:12:02,880

you study in school

344

00:12:06,790 --> 00:12:05,120

i was a mechanical engineer in college i

345

00:12:07,670 --> 00:12:06,800

went to villanova university up in

346

00:12:09,590 --> 00:12:07,680

philly

347

00:12:11,030 --> 00:12:09,600

i did my undergraduate and my master's

348

00:12:13,430 --> 00:12:11,040

degree out there

349

00:12:15,110 --> 00:12:13,440

that's awesome so just one of the many

350

00:12:16,550 --> 00:12:15,120

degrees you can get for a job like this

351

00:12:18,230 --> 00:12:16,560

yeah there's all kinds of different

352

00:12:19,990 --> 00:12:18,240

engineering degrees and

353

00:12:21,269 --> 00:12:20,000

if you decide to go and be an engineer

354

00:12:22,870 --> 00:12:21,279

you know take your time to figure out

355

00:12:23,350 --> 00:12:22,880

what type of engineering is right for

356

00:12:30,230 --> 00:12:23,360

you

357

00:12:31,829 --> 00:12:30,240

still maybe in middle school high school

358

00:12:32,870 --> 00:12:31,839

preparing they're not at college yet

359

00:12:34,150 --> 00:12:32,880

what should they do to find out they're

360

00:12:35,990 --> 00:12:34,160

interested in stem

361

00:12:37,829 --> 00:12:36,000

there are a lot of great you know youth

362

00:12:39,110 --> 00:12:37,839

programs and student programs out there

363

00:12:40,949 --> 00:12:39,120

for kids who may

364

00:12:43,750 --> 00:12:40,959

be interested in stem you know there's a

365

00:12:46,230 --> 00:12:43,760

lot of science and math involved but

366

00:12:47,910 --> 00:12:46,240

if if your school doesn't have something

367

00:12:49,110 --> 00:12:47,920

make sure you do your research you know

368

00:12:51,670 --> 00:12:49,120

nasa has a lot of

369

00:12:52,949 --> 00:12:51,680

student programs that you can engage in

370

00:12:54,949 --> 00:12:52,959

both in person and

371

00:12:57,269 --> 00:12:54,959

online so even if you don't live near a

372

00:12:58,710 --> 00:12:57,279

nasa center they have programs for you

373

00:13:00,230 --> 00:12:58,720

well sam it's been great speaking with

374

00:13:01,350 --> 00:13:00,240

you today i have one final question that

375

00:13:03,030 --> 00:13:01,360

i love to ask everyone

376

00:13:04,470 --> 00:13:03,040

where will you be watching launch from

377

00:13:06,389 --> 00:13:04,480

oh i'll be at home

378

00:13:07,910 --> 00:13:06,399

sitting in front of my tv just holding

379

00:13:10,949 --> 00:13:07,920

my breath watching this crew

380

00:13:12,629 --> 00:13:10,959

launch from here at 39 on

381

00:13:14,150 --> 00:13:12,639

saturday night well that's so exciting

382

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

and such a good thing to note too that

383

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

you know even if you work at nasa

384

00:13:18,790 --> 00:13:17,279

so many of us are watching it from here

385

00:13:20,150 --> 00:13:18,800

from tv from the internet

386

00:13:22,069 --> 00:13:20,160

and it's just important to be a part of

387

00:13:24,790 --> 00:13:22,079

it in any way you can and experience it

388

00:13:26,550 --> 00:13:24,800

on whatever platform you can yes all

389

00:13:28,389 --> 00:13:26,560

right well thank you sam for joining us

390

00:13:29,910 --> 00:13:28,399

we are live at the gantry i'm allison

391

00:13:33,350 --> 00:13:29,920

tankersley i'm a throwback to you

392

00:13:35,110 --> 00:13:33,360

madison what can our viewers expect next

393

00:13:37,030 --> 00:13:35,120

thank you so much allison and thank you

394

00:13:40,069 --> 00:13:37,040

sam for joining us and answering

395

00:13:40,629 --> 00:13:40,079

some viewers questions uh so if you are

396

00:13:43,990 --> 00:13:40,639

as

397

00:13:45,110 --> 00:13:44,000

want to note down this time in your

398

00:13:48,150 --> 00:13:45,120

calendar

399

00:13:51,269 --> 00:13:48,160

tomorrow at 3 30 p.m eastern time that's

400

00:13:55,509 --> 00:13:51,279

november 14th at 3 30 pm eastern time

401  
00:13:57,590 --> 00:13:55,519  
you can head to [www.nasa.gov](http://www.nasa.gov) backslash

402  
00:13:58,550 --> 00:13:57,600  
live for the beginning of our live

403  
00:14:00,470 --> 00:13:58,560  
launch coverage

404  
00:14:02,470 --> 00:14:00,480  
if you joined us for the demo 2 launch

405  
00:14:04,710 --> 00:14:02,480  
back in may you might remember

406  
00:14:06,069 --> 00:14:04,720  
you'll get to see the crew kind of get

407  
00:14:07,750 --> 00:14:06,079  
their final

408  
00:14:09,269 --> 00:14:07,760  
suit checks you'll get to see them walk

409  
00:14:11,110 --> 00:14:09,279  
out of the astronaut crew recorders and

410  
00:14:12,710 --> 00:14:11,120  
then make their way to the launch pad

411  
00:14:15,189 --> 00:14:12,720  
ahead of launch which is currently

412  
00:14:17,509 --> 00:14:15,199  
scheduled for 7 49 pm

413  
00:14:19,910 --> 00:14:17,519

eastern time thank you all so much for

414

00:14:20,629 --> 00:14:19,920

joining stay tuned for our final show

415

00:14:23,110 --> 00:14:20,639

today

416

00:14:24,470 --> 00:14:23,120

which will begin at 4 30 eastern time

417

00:14:26,310 --> 00:14:24,480

it's a really awesome show

418

00:14:28,150 --> 00:14:26,320

talking with some students who have an

419

00:14:29,430 --> 00:14:28,160

experiment that will actually be flying

420

00:14:30,949 --> 00:14:29,440

on board the mission