



← EXIT  
CASHIER  
RESTROOMS  
SEE THE SIGN

1  
00:00:14,310 --> 00:00:12,709  
so here we are at the world's largest

2  
00:00:16,390 --> 00:00:14,320  
indoor pool

3  
00:00:18,470 --> 00:00:16,400  
it is uh yeah it's true we think i'm

4  
00:00:19,830 --> 00:00:18,480  
making this stuff up here come on yes i

5  
00:00:21,990 --> 00:00:19,840  
think it is

6  
00:00:24,710 --> 00:00:22,000  
biggest pool indoor pool they don't have

7  
00:00:27,670 --> 00:00:24,720  
like natatoriums

8  
00:00:28,830 --> 00:00:27,680  
what is a natatorium where people swim

9  
00:00:30,790 --> 00:00:28,840  
is that what you

10  
00:00:33,110 --> 00:00:30,800  
mean isn't your kid

11  
00:00:36,870 --> 00:00:33,120  
yes i think it comes from the word nata

12  
00:00:38,950 --> 00:00:36,880  
no tare which means to swim in uh

13  
00:00:41,110 --> 00:00:38,960

in what in in an italian

14

00:00:42,950 --> 00:00:41,120  
anyway how do we get on this in

15

00:00:44,630 --> 00:00:42,960  
natatorium yes i think don't when you're

16

00:00:46,310 --> 00:00:44,640  
filming me don't make you want to get on

17

00:00:47,830 --> 00:00:46,320  
this side you don't fall in the water

18

00:00:49,750 --> 00:00:47,840  
there's a one rule we have here at the

19

00:00:51,350 --> 00:00:49,760  
end at the neutral buoyancy lab nbls

20

00:00:53,430 --> 00:00:51,360  
don't fall in the water other than that

21

00:00:55,510 --> 00:00:53,440  
you can do pretty much whatever you want

22

00:00:57,189 --> 00:00:55,520  
but no it is jim it is the largest

23

00:00:58,630 --> 00:00:57,199  
indoor swimming pool

24

00:01:00,069 --> 00:00:58,640  
um

25

00:01:02,229 --> 00:01:00,079  
if you consider all the water that's

26

00:01:04,070 --> 00:01:02,239

inside of it because it's it's uh 100

27

00:01:06,550 --> 00:01:04,080

yeah it's very deep it's 100 feet wide

28

00:01:08,950 --> 00:01:06,560

it's 200 feet long and it's 40 feet deep

29

00:01:11,270 --> 00:01:08,960

so maybe there is an auditorium that is

30

00:01:13,109 --> 00:01:11,280

you know wider or longer but yeah and

31

00:01:14,710 --> 00:01:13,119

when you combine the length and the

32

00:01:16,469 --> 00:01:14,720

width and the

33

00:01:18,710 --> 00:01:16,479

depth then we get volume that's for your

34

00:01:21,429 --> 00:01:18,720

kids you know studying

35

00:01:22,870 --> 00:01:21,439

it's it's the largest indoor pool

36

00:01:24,469 --> 00:01:22,880

in in the world man there may be one

37

00:01:26,070 --> 00:01:24,479

that's outdoor

38

00:01:28,230 --> 00:01:26,080

but this is not a swimming pool may i

39

00:01:29,910 --> 00:01:28,240

add this is a working pool

40

00:01:31,270 --> 00:01:29,920

you know we come we do a swim test in

41

00:01:33,670 --> 00:01:31,280

here in order to be able to operate in

42

00:01:36,069 --> 00:01:33,680

here but this is meant for people to

43

00:01:39,670 --> 00:01:36,079

work and practice their space walks so

44

00:01:41,190 --> 00:01:39,680

this crew over here this scs-133 crew

45

00:01:42,789 --> 00:01:41,200

is getting ready

46

00:01:44,789 --> 00:01:42,799

uh to practice one of their spacewalks

47

00:01:47,030 --> 00:01:44,799

in the pool watch out for the water

48

00:01:49,270 --> 00:01:47,040

right

49

00:01:50,870 --> 00:01:49,280

we don't want you falling in jim

50

00:01:52,789 --> 00:01:50,880

jim is our cameraman by the way can i

51  
00:01:54,550 --> 00:01:52,799  
turn the camera on you for a second yeah

52  
00:01:56,310 --> 00:01:54,560  
see there's jimmy's there you go all

53  
00:01:57,429 --> 00:01:56,320  
right so

54  
00:02:00,310 --> 00:01:57,439  
we're gonna come over here and these

55  
00:02:02,709 --> 00:02:00,320  
guys they got their fancy underwear on

56  
00:02:04,149 --> 00:02:02,719  
yeah there we go what's going on here

57  
00:02:07,830 --> 00:02:04,159  
hey man they can get me right and left

58  
00:02:10,070 --> 00:02:07,840  
together all right jesse bessie

59  
00:02:12,150 --> 00:02:10,080  
stressing me

60  
00:02:13,589 --> 00:02:12,160  
i play with paper dolls yeah do you

61  
00:02:20,150 --> 00:02:13,599  
really

62  
00:02:23,750 --> 00:02:22,229  
just want to make sure that there's no

63  
00:02:25,750 --> 00:02:23,760

little bits of thread or lint or

64

00:02:27,990 --> 00:02:25,760

anything like that

65

00:02:29,910 --> 00:02:28,000

in the compromise or seal

66

00:02:30,949 --> 00:02:29,920

yeah this is very it's very important

67

00:02:31,990 --> 00:02:30,959

because you're going to lock them in

68

00:02:35,430 --> 00:02:32,000

there

69

00:02:36,949 --> 00:02:35,440

problem they'll detect they'll detect a

70

00:02:39,110 --> 00:02:36,959

leak but in space you don't want any

71

00:02:42,229 --> 00:02:39,120

leaks of course so

72

00:02:45,589 --> 00:02:42,239

mike's over here practicing so

73

00:02:56,070 --> 00:02:45,599

when you get on space it'll be

74

00:03:00,390 --> 00:02:58,149

mike you're the robot guy for all the

75

00:03:03,110 --> 00:03:00,400

evas is that right you suit iv guy and

76

00:03:04,710 --> 00:03:03,120

the robot guys so the suit iv was a

77

00:03:06,229 --> 00:03:04,720

fancy way of saying you get them dressed

78

00:03:08,229 --> 00:03:06,239

that's right is that right

79

00:03:09,589 --> 00:03:08,239

like the butler that's right all right

80

00:03:11,750 --> 00:03:09,599

get them all dressed and ready to go and

81

00:03:14,149 --> 00:03:11,760

then hustle it over to the robotic

82

00:03:15,670 --> 00:03:14,159

workstation and work the robot on that's

83

00:03:16,949 --> 00:03:15,680

right and you're always going to have a

84

00:03:18,790 --> 00:03:16,959

one of the crew members on the end of

85

00:03:20,390 --> 00:03:18,800

the robot arm for the for this stuff

86

00:03:22,309 --> 00:03:20,400

i'll be on the end for the for the whole

87

00:03:24,149 --> 00:03:22,319

time for this one or right give you one

88

00:03:26,070 --> 00:03:24,159

in two i spend some time on the arm and

89

00:03:27,830 --> 00:03:26,080

mike's going to be flying around that's

90

00:03:29,110 --> 00:03:27,840

a way to travel it is a nice you know

91

00:03:31,110 --> 00:03:29,120

it's like driving around in a lincoln or

92

00:03:33,110 --> 00:03:31,120

a cadillac or it's even better you're

93

00:03:35,030 --> 00:03:33,120

better than that even i think so you say

94

00:03:36,309 --> 00:03:35,040

i want to go over here and you go there

95

00:03:37,990 --> 00:03:36,319

you know it's nice that's the plan he

96

00:03:39,110 --> 00:03:38,000

knows where to take me yeah as i'm

97

00:03:40,470 --> 00:03:39,120

saying you say i need to go over here

98

00:03:42,710 --> 00:03:40,480

bang he'll get you exactly where you

99

00:03:43,830 --> 00:03:42,720

need to go

100

00:03:46,070 --> 00:03:43,840

ride yeah

101  
00:03:47,350 --> 00:03:46,080  
like a what hunk of bait on a fly rod

102  
00:03:50,309 --> 00:03:47,360  
wow yeah

103  
00:03:50,319 --> 00:03:58,949  
so now they just locked alvin inside so

104  
00:03:58,959 --> 00:04:03,750  
so he can't scratch his face anymore

105  
00:04:03,760 --> 00:04:08,550  
he can use that yeah

106  
00:04:11,830 --> 00:04:10,229  
so nicole you've got any you're doing

107  
00:04:13,030 --> 00:04:11,840  
one of these evas as well or two what

108  
00:04:15,350 --> 00:04:13,040  
are you doing are you going outside for

109  
00:04:17,590 --> 00:04:15,360  
this one for these guys these are the

110  
00:04:18,789 --> 00:04:17,600  
only guys that go outside yeah that's it

111  
00:04:19,990 --> 00:04:18,799  
yeah

112  
00:04:21,909 --> 00:04:20,000  
that's nice

113  
00:04:23,270 --> 00:04:21,919

we have two i think if we had three evas

114

00:04:26,550 --> 00:04:23,280

we might as well might swap around a

115

00:04:32,469 --> 00:04:27,909

working out nice it'd be nice to see

116

00:04:35,590 --> 00:04:33,990

but you've done a speed at a spacewalk

117

00:04:38,950 --> 00:04:35,600

on your on your first flight danger yeah

118

00:04:41,270 --> 00:04:38,960

with the 128 crew yeah

119

00:04:42,629 --> 00:04:41,280

amazing experience yeah

120

00:04:43,909 --> 00:04:42,639

do you wish you were going out again or

121

00:04:45,749 --> 00:04:43,919

are you kind of like i'll let those guys

122

00:04:47,110 --> 00:04:45,759

go with that i'm not gonna lie yeah

123

00:04:48,870 --> 00:04:47,120

you'd like to grow up again yeah i would

124

00:04:50,790 --> 00:04:48,880

love to do it again but i i mean like

125

00:04:52,550 --> 00:04:50,800

this is so cool to get to see yeah you

126

00:04:54,390 --> 00:04:52,560

know and i think the ib experience is

127

00:04:56,310 --> 00:04:54,400

going to be a neat thing too yeah so you

128

00:04:57,909 --> 00:04:56,320

get to tell them what to do i'll be the

129

00:04:59,270 --> 00:04:57,919

boss of them yeah you should take

130

00:05:00,469 --> 00:04:59,280

advantage of this especially since you

131

00:05:02,629 --> 00:05:00,479

have to go outside you know what you do

132

00:05:04,390 --> 00:05:02,639

you say oh this is so easy it would be

133

00:05:05,590 --> 00:05:04,400

no problem for me you know you tell them

134

00:05:07,270 --> 00:05:05,600

that that's what you do you're rubbing

135

00:05:09,110 --> 00:05:07,280

it out if i was out there this would be

136

00:05:10,790 --> 00:05:09,120

really easy so i'm sure this won't take

137

00:05:14,870 --> 00:05:10,800

very that kind of thing rub it in right

138

00:05:17,350 --> 00:05:14,880

you know what i mean right yeah right

139

00:05:19,830 --> 00:05:17,360

as classmates from 2000 these guys know

140

00:05:21,909 --> 00:05:19,840

very well that i can be um

141

00:05:22,870 --> 00:05:21,919

the good boss of them a good what does

142

00:05:25,510 --> 00:05:22,880

that mean

143

00:05:27,510 --> 00:05:25,520

like a nice boss a nice boss yeah

144

00:05:29,350 --> 00:05:27,520

i'm willing to tell them what to do

145

00:05:30,469 --> 00:05:29,360

still know

146

00:05:33,990 --> 00:05:30,479

i think you should take advantage of

147

00:05:37,749 --> 00:05:35,670

we don't use these in space don't use

148

00:05:39,670 --> 00:05:37,759

those weights why not nicole tell us

149

00:05:41,510 --> 00:05:39,680

well because we don't need them for

150

00:05:42,790 --> 00:05:41,520

microgravity but here

151

00:05:45,350 --> 00:05:42,800

we're going to try to do our best and

152

00:05:46,710 --> 00:05:45,360

these guys do a wonderful job of uh we

153

00:05:47,990 --> 00:05:46,720

won't have we won't have them in space

154

00:05:49,830 --> 00:05:48,000

neither i know

155

00:05:51,830 --> 00:05:49,840

that's why we don't get all right

156

00:05:53,510 --> 00:05:51,840

neutrally buoyant in the pool right

157

00:05:54,550 --> 00:05:53,520

sorry to simulate that as well right

158

00:05:56,629 --> 00:05:54,560

because people even though you're in the

159

00:05:58,390 --> 00:05:56,639

water you still things will still drop

160

00:05:59,749 --> 00:05:58,400

you know when you throw a rock it'll

161

00:06:01,590 --> 00:05:59,759

drop so yeah

162

00:06:03,189 --> 00:06:01,600

they'll drop they'll go so you need you

163

00:06:04,710 --> 00:06:03,199

need different things like this this is

164

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

made out of some kind of foam here right

165

00:06:07,990 --> 00:06:06,479

or lightweight stuff

166

00:06:09,590 --> 00:06:08,000

they can put foam or weights around here

167

00:06:10,550 --> 00:06:09,600

to try to get them so he's floating in

168

00:06:12,230 --> 00:06:10,560

there

169

00:06:14,950 --> 00:06:12,240

and that's the trick of these these

170

00:06:16,309 --> 00:06:14,960

divers are very skilled at doing that

171

00:06:19,749 --> 00:06:16,319

so you don't need these big weights in

172

00:06:23,270 --> 00:06:21,749

what else you want to tell us

173

00:06:25,270 --> 00:06:23,280

is there any like funny things that al

174

00:06:26,550 --> 00:06:25,280

means when he gets dressed that you've

175

00:06:28,790 --> 00:06:26,560

discovered

176

00:06:30,790 --> 00:06:28,800

you know no no

177

00:06:32,230 --> 00:06:30,800

no i don't think so no these guys are

178

00:06:34,070 --> 00:06:32,240

using have you guys

179

00:06:35,749 --> 00:06:34,080

did you use those safety tether packs

180

00:06:37,510 --> 00:06:35,759

before what

181

00:06:39,189 --> 00:06:37,520

the safety tether pack and i guess not

182

00:06:40,070 --> 00:06:39,199

because i don't know what it is

183

00:06:41,270 --> 00:06:40,080

um

184

00:06:42,790 --> 00:06:41,280

you know you've got this deal where you

185

00:06:44,710 --> 00:06:42,800

get to a certain point your tether runs

186

00:06:46,629 --> 00:06:44,720

out and you have to swap another tether

187

00:06:48,870 --> 00:06:46,639

yeah see we were we only stayed inside

188

00:06:49,990 --> 00:06:48,880

the payload bay we weren't allowed to go

189

00:06:51,270 --> 00:06:50,000

very far

190

00:06:53,270 --> 00:06:51,280

you know like when you when your kid

191

00:06:54,870 --> 00:06:53,280

first takes this bicycle out you only

192

00:06:56,309 --> 00:06:54,880

let him go to the mailbox right that's

193

00:06:58,469 --> 00:06:56,319

kind of like we weren't allowed you guys

194

00:06:59,990 --> 00:06:58,479

go way far around on that space station

195

00:07:01,350 --> 00:07:00,000

we had to stay in the neighborhood no so

196

00:07:03,189 --> 00:07:01,360

we didn't have to worry about tethers

197

00:07:05,589 --> 00:07:03,199

running up well this is incredible so

198

00:07:07,350 --> 00:07:05,599

what is this now we have 85 foot and 55

199

00:07:09,110 --> 00:07:07,360

foot safety tethers you always want to

200

00:07:11,430 --> 00:07:09,120

have one of these on you of course

201  
00:07:13,430 --> 00:07:11,440  
and so now there's this way that you can

202  
00:07:15,990 --> 00:07:13,440  
hook these two tethers together

203  
00:07:17,909 --> 00:07:16,000  
and use one as what we call a fairly

204  
00:07:19,909 --> 00:07:17,919  
tethered and when you get to a certain

205  
00:07:21,749 --> 00:07:19,919  
point you drop that one off and then

206  
00:07:23,510 --> 00:07:21,759  
you're working basically from your same

207  
00:07:26,309 --> 00:07:23,520  
anchor point way back at the airlock but

208  
00:07:28,469 --> 00:07:26,319  
now you've got 85 feet plus another 85

209  
00:07:30,070 --> 00:07:28,479  
feet to go out

210  
00:07:31,350 --> 00:07:30,080  
so basically that's a good idea yeah

211  
00:07:33,670 --> 00:07:31,360  
it's really cool where are these things

212  
00:07:34,550 --> 00:07:33,680  
now you've got me interested

213  
00:07:36,309 --> 00:07:34,560

right now

214

00:07:37,909 --> 00:07:36,319

all right make sure you get them

215

00:07:38,790 --> 00:07:37,919

and they're colored like color coded so

216

00:07:41,110 --> 00:07:38,800

you know

217

00:07:43,350 --> 00:07:41,120

this is my green anchor or my green

218

00:07:45,589 --> 00:07:43,360

that's clever yeah try to make it

219

00:07:47,430 --> 00:07:45,599

proof is what we call that so yeah it

220

00:07:50,309 --> 00:07:47,440

makes it you can't make mistake colors

221

00:07:51,670 --> 00:07:50,319

are good pictures are good too pictures

222

00:07:53,510 --> 00:07:51,680

you know that's something but that's

223

00:07:55,350 --> 00:07:53,520

that's too expensive some but the color

224

00:07:56,629 --> 00:07:55,360

is a good thing you got to get a bag

225

00:08:00,230 --> 00:07:56,639

that comes out of the airlock it's got a

226

00:08:01,430 --> 00:08:00,240

big green g on it really

227

00:08:04,309 --> 00:08:01,440

all right so both of these guys are

228

00:08:05,270 --> 00:08:04,319

buttoned up yep tools will be hacked

229

00:08:06,469 --> 00:08:05,280

all right

230

00:08:08,230 --> 00:08:06,479

that you don't want to go out with you

231

00:08:13,430 --> 00:08:08,240

know you need tools

232

00:08:16,790 --> 00:08:15,110

so he's putting on his what we call a

233

00:08:18,790 --> 00:08:16,800

mini workstation

234

00:08:20,550 --> 00:08:18,800

right in front of them

235

00:08:22,710 --> 00:08:20,560

that uh a lot so you can set up the

236

00:08:24,710 --> 00:08:22,720

tools in any way you want for the day

237

00:08:26,390 --> 00:08:24,720

and then you attach them

238

00:08:27,749 --> 00:08:26,400

to the suit and everything he needs

239

00:08:32,230 --> 00:08:27,759

everything al needs will be right in

240

00:08:35,029 --> 00:08:33,990

he's got a camera to take pictures in

241

00:08:36,469 --> 00:08:35,039

casey

242

00:08:38,310 --> 00:08:36,479

sometimes you need to take pictures to

243

00:08:40,149 --> 00:08:38,320

document stuff and it's nice to have a

244

00:08:41,990 --> 00:08:40,159

camera take pictures of the nice scenery

245

00:08:44,149 --> 00:08:42,000

around you

246

00:08:45,590 --> 00:08:44,159

now on the camera

247

00:08:46,790 --> 00:08:45,600

that's a tether hook that nicole's

248

00:08:49,430 --> 00:08:46,800

showing everything needs to be tethered

249

00:08:52,150 --> 00:08:49,440

so we don't lose it

250

00:08:54,230 --> 00:08:52,160

so once he attaches that hook

251  
00:08:57,110 --> 00:08:54,240  
we're pretty sure that that camera won't

252  
00:09:02,790 --> 00:08:57,120  
float away and if it does float away

253  
00:09:09,190 --> 00:09:06,230  
and that gizmo there is a

254  
00:09:11,110 --> 00:09:09,200  
body restraint tether so the jaw

255  
00:09:12,870 --> 00:09:11,120  
on that thing which is near nicole's

256  
00:09:14,470 --> 00:09:12,880  
right arm

257  
00:09:16,470 --> 00:09:14,480  
that you can attach to a handrail to

258  
00:09:17,829 --> 00:09:16,480  
keep him steady

259  
00:09:19,030 --> 00:09:17,839  
so when he's so he don't go float around

260  
00:09:22,310 --> 00:09:19,040  
if he needs to be in one place he can

261  
00:09:23,910 --> 00:09:22,320  
attach that thing and be nice and steady

262  
00:09:28,949 --> 00:09:23,920  
you can attach that to a handrail or a

263  
00:09:34,790 --> 00:09:31,590

and this is an another tether

264

00:09:36,630 --> 00:09:34,800

so al doesn't float away

265

00:09:37,990 --> 00:09:36,640

he can attach that keep him close to his

266

00:09:39,509 --> 00:09:38,000

work site as well he's got a lot of

267

00:09:41,750 --> 00:09:39,519

options

268

00:09:44,150 --> 00:09:41,760

to keep himself steady

269

00:09:45,509 --> 00:09:44,160

and then this is the safety tether here

270

00:09:46,949 --> 00:09:45,519

so this is what you were saying that is

271

00:09:48,630 --> 00:09:46,959

uh

272

00:09:51,750 --> 00:09:48,640

so this would be like to fairly dry so

273

00:09:55,350 --> 00:09:53,990

and this one goes back to the air lock

274

00:09:57,430 --> 00:09:55,360

and so if you got out some places that

275

00:09:59,110 --> 00:09:57,440

you needed more tether you can drop this

276

00:10:02,389 --> 00:09:59,120

one on structure and then this will pull

277

00:10:03,829 --> 00:10:02,399

you another 85 feet in okay

278

00:10:05,990 --> 00:10:03,839

and he always he's always going to have

279

00:10:08,470 --> 00:10:06,000

that because that's his safety tiller

280

00:10:10,550 --> 00:10:08,480

will always be attached in case al let's

281

00:10:12,550 --> 00:10:10,560

go for some reason and

282

00:10:14,389 --> 00:10:12,560

we so he doesn't float away he can get

283

00:10:16,870 --> 00:10:14,399

back with us you know the tether will

284

00:10:19,190 --> 00:10:16,880

bring him back