



1  
00:00:06,630 --> 00:00:02,869  
station this is houston are you ready

2  
00:00:10,390 --> 00:00:08,390  
houston station we're ready for the

3  
00:00:12,230 --> 00:00:10,400  
event

4  
00:00:13,990 --> 00:00:12,240  
douglas intermediate elementary school

5  
00:00:18,230 --> 00:00:14,000  
this is mission control houston please

6  
00:00:22,390 --> 00:00:20,310  
station this is kelly graveson at

7  
00:00:26,790 --> 00:00:22,400  
douglas intermediate elementary school

8  
00:00:30,630 --> 00:00:29,109  
hi kelly loud and clear welcome to the

9  
00:00:32,870 --> 00:00:30,640  
international space station in the

10  
00:00:37,990 --> 00:00:32,880  
expedition 36 crew we're glad to be with

11  
00:00:42,549 --> 00:00:40,229  
thank you so much for the honor of

12  
00:00:44,389 --> 00:00:42,559  
speaking with us before i introduce the

13  
00:00:46,630 --> 00:00:44,399

first student i wanted to let you know

14

00:00:49,510 --> 00:00:46,640

that some of us saw astronaut stephen

15

00:00:51,590 --> 00:00:49,520

bowen on friday and he said to say hello

16

00:00:57,110 --> 00:00:51,600

to all of you and that chris you need to

17

00:01:13,910 --> 00:00:59,590

i'd like to introduce erin with our

18

00:01:20,149 --> 00:01:15,910

hi my name is iron korea and i'm in

19

00:01:27,190 --> 00:01:22,149

what shocked you the most about being in

20

00:01:33,749 --> 00:01:29,590

hi aaron uh that's a fun question to

21

00:01:34,710 --> 00:01:33,759

think about and uh i'd have to say

22

00:01:37,590 --> 00:01:34,720

it's

23

00:01:39,910 --> 00:01:37,600

how awkward it is to what to do with

24

00:01:41,990 --> 00:01:39,920

your hands when you sleep

25

00:01:43,270 --> 00:01:42,000

when you try to sleep in space you

26

00:01:45,510 --> 00:01:43,280

really don't know where to put your

27

00:01:47,670 --> 00:01:45,520

hands and that's a funny feeling to get

28

00:01:49,830 --> 00:01:47,680

used to there's also some serious

29

00:01:51,830 --> 00:01:49,840

answers i could give you but on the last

30

00:01:53,350 --> 00:01:51,840

week of school you probably want to hear

31

00:01:59,510 --> 00:01:53,360

about how funny it is to deal with our

32

00:02:07,030 --> 00:02:00,310

hi

33

00:02:12,229 --> 00:02:07,040

and what is your favorite time of day in

34

00:02:16,309 --> 00:02:14,070

hi ryan actually there are a lot of

35

00:02:17,990 --> 00:02:16,319

favorite times it's it's fun all the

36

00:02:20,309 --> 00:02:18,000

time here even when we're working the

37

00:02:22,150 --> 00:02:20,319

time is enjoyable but i have to say

38

00:02:23,750 --> 00:02:22,160

it is nice to be able to take the time

39

00:02:24,790 --> 00:02:23,760

and look down at our earth and take

40

00:02:26,949 --> 00:02:24,800

pictures

41

00:02:28,869 --> 00:02:26,959

um it's just something obviously that

42

00:02:30,070 --> 00:02:28,879

you don't get to do get to do when

43

00:02:31,830 --> 00:02:30,080

you're on the earth see it from that

44

00:02:34,229 --> 00:02:31,840

vantage point so of all the favorite

45

00:02:38,070 --> 00:02:34,239

times uh i think that is my most

46

00:02:46,150 --> 00:02:41,110

hi i'm jonathan payne my question is for

47

00:02:53,270 --> 00:02:47,750

what does it feel like when you first

48

00:02:57,190 --> 00:02:55,990

so that's a very good question because

49

00:02:58,550 --> 00:02:57,200

in space

50

00:03:03,270 --> 00:02:58,560

we only

51  
00:03:05,509 --> 00:03:03,280  
something very physical like working out

52  
00:03:08,309 --> 00:03:05,519  
or running on our treadmill lifting

53  
00:03:10,550 --> 00:03:08,319  
weights in our a special machine that

54  
00:03:12,869 --> 00:03:10,560  
the rest of the time your body

55  
00:03:14,470 --> 00:03:12,879  
floating about is really rested so when

56  
00:03:17,589 --> 00:03:14,480  
i wake up in the morning

57  
00:03:19,030 --> 00:03:17,599  
i feel completely rested and i'm just

58  
00:03:25,030 --> 00:03:19,040  
ready for another day here on the

59  
00:03:31,350 --> 00:03:27,750  
hi my name is kylie lafortson and i'm in

60  
00:03:34,070 --> 00:03:31,360  
seventh grade my question is for chris

61  
00:03:39,910 --> 00:03:34,080  
what is the most difficult task to do in

62  
00:03:43,910 --> 00:03:41,830  
well um

63  
00:03:46,710 --> 00:03:43,920

i think the most difficult task is the

64

00:03:49,990 --> 00:03:46,720

one you're doing right then right now

65

00:03:52,309 --> 00:03:50,000

because anyone any given time up here in

66

00:03:53,990 --> 00:03:52,319

space we could do something that could

67

00:03:55,990 --> 00:03:54,000

possibly hurt ourselves or more

68

00:03:58,710 --> 00:03:56,000

frequently do something

69

00:04:00,869 --> 00:03:58,720

incorrect to the space station so it's

70

00:04:02,710 --> 00:04:00,879

it's really hard when you have to focus

71

00:04:04,149 --> 00:04:02,720

like that all day long

72

00:04:06,149 --> 00:04:04,159

so um

73

00:04:09,190 --> 00:04:06,159

trying to put all that together and not

74

00:04:12,229 --> 00:04:09,200

make mistakes is is a job that we work

75

00:04:14,229 --> 00:04:12,239

on every single day and that's probably

76

00:04:16,390 --> 00:04:14,239

the most difficult thing is to stay

77

00:04:19,430 --> 00:04:16,400

focused the whole entire time we're up

78

00:04:21,590 --> 00:04:19,440

here so that we can do our best and and

79

00:04:23,030 --> 00:04:21,600

keep the space station in a good healthy

80

00:04:28,870 --> 00:04:23,040

a good healthy spaceship that it is

81

00:04:32,230 --> 00:04:29,830

hi

82

00:04:35,590 --> 00:04:32,240

my name is nolan beckwith i'm in sixth

83

00:04:37,749 --> 00:04:35,600

grade and my question is for karen

84

00:04:39,510 --> 00:04:37,759

if you had the opportunity would you

85

00:04:45,030 --> 00:04:39,520

like to live in space for the rest of

86

00:04:48,710 --> 00:04:46,629

well space

87

00:04:51,030 --> 00:04:48,720

certainly is a very magical place and i

88

00:04:53,590 --> 00:04:51,040

think i could spend a long long time

89

00:04:55,430 --> 00:04:53,600

here and even longer if i could bring my

90

00:04:57,670 --> 00:04:55,440

my family here with me

91

00:05:00,710 --> 00:04:57,680

my husband and my son and my dog i would

92

00:05:03,430 --> 00:05:00,720

love to have my dog here too

93

00:05:04,790 --> 00:05:03,440

so it it would be it would be hard to

94

00:05:06,710 --> 00:05:04,800

live here for the rest of my life

95

00:05:09,510 --> 00:05:06,720

without the things that i love dearly

96

00:05:11,909 --> 00:05:09,520

like like those that i mentioned but

97

00:05:14,390 --> 00:05:11,919

space itself is just it's fantastic

98

00:05:17,189 --> 00:05:14,400

living here it's so easy moving around

99

00:05:19,749 --> 00:05:17,199

um i i what would be hard is living here

100

00:05:21,430 --> 00:05:19,759

for many many years and then going back

101  
00:05:23,590 --> 00:05:21,440  
to earth where there's gravity your body

102  
00:05:24,790 --> 00:05:23,600  
would certainly adapt to there being no

103  
00:05:31,270 --> 00:05:24,800  
gravity and i think you would have a

104  
00:05:35,350 --> 00:05:33,830  
hi my name is hi my name is kylie blake

105  
00:05:37,909 --> 00:05:35,360  
i am in the eighth grade and my question

106  
00:05:39,749 --> 00:05:37,919  
is for luca how did you become abigail

107  
00:05:41,430 --> 00:05:39,759  
harrison's mentor and what is it like

108  
00:05:46,710 --> 00:05:41,440  
having her act as your earthbound

109  
00:05:51,110 --> 00:05:48,230  
well that's that's an interesting

110  
00:05:53,029 --> 00:05:51,120  
question so i was attending a shadow

111  
00:05:54,790 --> 00:05:53,039  
launch

112  
00:05:56,790 --> 00:05:54,800  
as part of my training as a matter of

113  
00:05:58,550 --> 00:05:56,800

fact and at the airport

114

00:06:00,550 --> 00:05:58,560

this young girl that must have been

115

00:06:02,230 --> 00:06:00,560

about your age at the time

116

00:06:04,629 --> 00:06:02,240

asked me if i was an astronaut she

117

00:06:06,230 --> 00:06:04,639

recognized me from a pitcher and i said

118

00:06:07,590 --> 00:06:06,240

yes i'm an astronaut and she introduced

119

00:06:09,909 --> 00:06:07,600

herself and she told me that she was

120

00:06:11,110 --> 00:06:09,919

very passionate about space

121

00:06:13,909 --> 00:06:11,120

and

122

00:06:16,070 --> 00:06:13,919

her passion was was so much that she she

123

00:06:18,550 --> 00:06:16,080

gave me an interview and i was surprised

124

00:06:20,710 --> 00:06:18,560

how mature and enthusiastic she was i

125

00:06:22,150 --> 00:06:20,720

was smitten and so i thought hey you

126

00:06:23,749 --> 00:06:22,160

know if you keep training like this

127

00:06:25,749 --> 00:06:23,759

maybe one day you will be an astronaut

128

00:06:28,550 --> 00:06:25,759

and i will be your instructor and we

129

00:06:30,629 --> 00:06:28,560

just from that conversation it just

130

00:06:33,029 --> 00:06:30,639

became this mentorship mentee

131

00:06:34,790 --> 00:06:33,039

relationship and

132

00:06:37,590 --> 00:06:34,800

to have her as a

133

00:06:40,870 --> 00:06:37,600

as my earth liaison is i think is a very

134

00:06:44,469 --> 00:06:40,880

cool thing because she can use the

135

00:06:48,070 --> 00:06:44,479

language of of of kids her own age when

136

00:06:49,909 --> 00:06:48,080

i can't uh because i'm you know i'm 36

137

00:06:52,309 --> 00:06:49,919

and i'm and i'm italian so

138

00:06:53,990 --> 00:06:52,319

she can speak like a 15 year old uh

139

00:06:57,189 --> 00:06:54,000

american girl and i think it's a great

140

00:06:59,589 --> 00:06:57,199

way to communicate what uh what dreams

141

00:07:00,390 --> 00:06:59,599

can do if you follow them with passion

142

00:07:14,710 --> 00:07:00,400

and

143

00:07:20,710 --> 00:07:14,720

what are the immediate effects of

144

00:07:25,029 --> 00:07:22,629

well the immediate effects right when

145

00:07:27,670 --> 00:07:25,039

you get to space you notice the fluid

146

00:07:29,430 --> 00:07:27,680

shifting around in your body

147

00:07:31,830 --> 00:07:29,440

we have to pee out a bunch of extra

148

00:07:34,550 --> 00:07:31,840

fluid and some moves up to your head so

149

00:07:36,550 --> 00:07:34,560

you get some stuffiness in your sinuses

150

00:07:38,629 --> 00:07:36,560

and your nose kind of runs for maybe a

151  
00:07:41,029 --> 00:07:38,639  
day or two and then that kind of goes

152  
00:07:43,029 --> 00:07:41,039  
away as your body gets more used to it

153  
00:07:45,990 --> 00:07:43,039  
and then over a period of a few weeks

154  
00:07:48,230 --> 00:07:46,000  
your legs get used to not having the the

155  
00:07:50,710 --> 00:07:48,240  
weight on them like luca was saying your

156  
00:07:52,790 --> 00:07:50,720  
muscles kind of can rest for a while so

157  
00:07:55,189 --> 00:07:52,800  
what i've noticed is tightness and

158  
00:07:56,869 --> 00:07:55,199  
stiffness in my leg muscles

159  
00:07:58,309 --> 00:07:56,879  
that i really need to

160  
00:08:00,390 --> 00:07:58,319  
pay attention to when we do our

161  
00:08:01,830 --> 00:08:00,400  
exercises and to stretch a little bit

162  
00:08:03,029 --> 00:08:01,840  
because i can really tell that they're

163  
00:08:08,710 --> 00:08:03,039

getting

164

00:08:13,909 --> 00:08:10,790

hi my name is ben landry and i'm in the

165

00:08:15,589 --> 00:08:13,919

sixth grade my question is for karen

166

00:08:21,909 --> 00:08:15,599

what are some of the fiscal requirements

167

00:08:26,150 --> 00:08:24,150

one of the main things is to be very

168

00:08:28,469 --> 00:08:26,160

healthy especially when we're spending

169

00:08:30,230 --> 00:08:28,479

long times a long amount of time up on

170

00:08:32,550 --> 00:08:30,240

the space station because even though

171

00:08:34,149 --> 00:08:32,560

we're all trained to take care of small

172

00:08:38,870 --> 00:08:34,159

medical

173

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

problem we would have to

174

00:08:43,509 --> 00:08:40,719

take a soyuz home and end our mission

175

00:08:45,750 --> 00:08:43,519

early and so being very healthy is one

176

00:08:48,470 --> 00:08:45,760

of the main requirements but also also

177

00:08:51,350 --> 00:08:48,480

exercising we exercise over two hours

178

00:08:54,150 --> 00:08:51,360

every single day to maintain our bone

179

00:08:55,269 --> 00:08:54,160

strength and our muscle strength and so

180

00:08:57,190 --> 00:08:55,279

being that

181

00:08:59,590 --> 00:08:57,200

healthy on when you're on the ground on

182

00:09:01,910 --> 00:08:59,600

earth helps when you need to exercise on

183

00:09:04,470 --> 00:09:01,920

orbit and plus just being healthy having

184

00:09:08,150 --> 00:09:04,480

a healthy body maintains a healthy mind

185

00:09:13,110 --> 00:09:09,110

hi

186

00:09:14,470 --> 00:09:13,120

eighth grader my question is for luca

187

00:09:19,990 --> 00:09:14,480

what types of workouts do you do in

188

00:09:24,949 --> 00:09:22,870

so um just uh going back to what karen

189

00:09:25,990 --> 00:09:24,959

just said we work out about two hours

190

00:09:28,150 --> 00:09:26,000

every day

191

00:09:30,550 --> 00:09:28,160

so we have three kinds of

192

00:09:33,350 --> 00:09:30,560

machines here on orbee that we can use

193

00:09:35,190 --> 00:09:33,360

one is a sort of a bicycle uh the only

194

00:09:36,630 --> 00:09:35,200

difference is that we don't have a seat

195

00:09:38,710 --> 00:09:36,640

and we don't have handles because in

196

00:09:40,710 --> 00:09:38,720

space you float so all you have to do is

197

00:09:42,470 --> 00:09:40,720

strap into your pedals and start

198

00:09:45,110 --> 00:09:42,480

pedaling and that for me is actually the

199

00:09:47,350 --> 00:09:45,120

hardest exercise because it's it's a

200

00:09:49,590 --> 00:09:47,360

very hard um

201  
00:09:50,870 --> 00:09:49,600  
it's really hard on your muscles and and

202  
00:09:52,550 --> 00:09:50,880  
on your heart

203  
00:09:53,990 --> 00:09:52,560  
the second machine that we use is a

204  
00:09:56,550 --> 00:09:54,000  
treadmill

205  
00:10:00,470 --> 00:09:56,560  
and it's uh it's fantastic because what

206  
00:10:03,350 --> 00:10:00,480  
we do we have this um the this vest that

207  
00:10:06,069 --> 00:10:03,360  
we wear with bindings so that we can

208  
00:10:08,550 --> 00:10:06,079  
simulate gravity and and stay put when

209  
00:10:11,190 --> 00:10:08,560  
we when we run on this treadmill and we

210  
00:10:13,110 --> 00:10:11,200  
can we can vary the speed so that to

211  
00:10:14,470 --> 00:10:13,120  
exercise our legs and our heart at

212  
00:10:16,470 --> 00:10:14,480  
different levels

213  
00:10:19,590 --> 00:10:16,480

and the third machine is called a red is

214

00:10:21,590 --> 00:10:19,600

a resistive device with that

215

00:10:23,350 --> 00:10:21,600

even though we have weightlessness in

216

00:10:25,190 --> 00:10:23,360

weightlessness here we can simulate

217

00:10:26,150 --> 00:10:25,200

weights and so we can lift weights we

218

00:10:28,949 --> 00:10:26,160

can do

219

00:10:29,990 --> 00:10:28,959

squats and shoulder press

220

00:10:32,230 --> 00:10:30,000

and

221

00:10:33,910 --> 00:10:32,240

bench pressing all basically most of the

222

00:10:36,389 --> 00:10:33,920

exercises that we do on the ground we

223

00:10:42,389 --> 00:10:36,399

can we manage to do it here on orbit so

224

00:10:47,030 --> 00:10:44,710

hello my name is josh here and i'm a

225

00:10:48,150 --> 00:10:47,040

seventh grade student my question is for

226  
00:10:49,509 --> 00:10:48,160  
chris

227  
00:10:56,550 --> 00:10:49,519  
what is your favorite part about being

228  
00:11:00,870 --> 00:10:58,470  
well this is this is going to sound a

229  
00:11:03,910 --> 00:11:00,880  
little silly but that answer is is being

230  
00:11:05,910 --> 00:11:03,920  
in space i've been an astronaut for um

231  
00:11:06,870 --> 00:11:05,920  
i guess 10 years now

232  
00:11:09,430 --> 00:11:06,880  
and

233  
00:11:11,430 --> 00:11:09,440  
i've been in space for

234  
00:11:13,430 --> 00:11:11,440  
two times the first time was two weeks

235  
00:11:15,910 --> 00:11:13,440  
and this time has been about two and a

236  
00:11:17,590 --> 00:11:15,920  
half months and and counting up till my

237  
00:11:19,670 --> 00:11:17,600  
the end which will be about six months

238  
00:11:21,670 --> 00:11:19,680

up here but if you add all that together

239

00:11:22,550 --> 00:11:21,680

that's not a very big chunk out of ten

240

00:11:23,590 --> 00:11:22,560

years

241

00:11:24,310 --> 00:11:23,600

um

242

00:11:28,710 --> 00:11:24,320

so

243

00:11:30,949 --> 00:11:28,720

to the time when we can actually be in

244

00:11:33,910 --> 00:11:30,959

space now what do we do on the ground we

245

00:11:35,670 --> 00:11:33,920

we train for for our own missions or we

246

00:11:37,030 --> 00:11:35,680

work in a supporting role for other

247

00:11:39,910 --> 00:11:37,040

missions that are going on either

248

00:11:42,069 --> 00:11:39,920

mission control or helping with uh

249

00:11:44,949 --> 00:11:42,079

equipment or meetings and that sort of

250

00:11:46,790 --> 00:11:44,959

thing and then and then outreach and get

251  
00:11:48,069 --> 00:11:46,800  
to go talk to groups like you guys in

252  
00:11:49,829 --> 00:11:48,079  
person maybe

253  
00:11:51,350 --> 00:11:49,839  
after this mission i'll come back and

254  
00:11:53,350 --> 00:11:51,360  
i'll be in the massachusetts new england

255  
00:11:55,110 --> 00:11:53,360  
area and i'll go to schools just like

256  
00:11:58,310 --> 00:11:55,120  
yours so those are some of the things we

257  
00:12:00,150 --> 00:11:58,320  
do but in all honesty it's uh we really

258  
00:12:02,790 --> 00:12:00,160  
really cherish the times that we can be

259  
00:12:09,110 --> 00:12:02,800  
up here on in space floating around

260  
00:12:12,629 --> 00:12:10,870  
hi my name is lauren casper and i'm in

261  
00:12:14,389 --> 00:12:12,639  
eighth grade uh this question is for

262  
00:12:19,030 --> 00:12:14,399  
karen how do you wash your long hair in

263  
00:12:22,550 --> 00:12:21,670

she doesn't

264

00:12:24,550 --> 00:12:22,560

well

265

00:12:25,750 --> 00:12:24,560

i've been getting that question a lot i

266

00:12:27,990 --> 00:12:25,760

actually i

267

00:12:30,150 --> 00:12:28,000

wash my hair about twice a week and i

268

00:12:32,790 --> 00:12:30,160

leave it out kind of like this like it

269

00:12:34,470 --> 00:12:32,800

is now we have some no rinse shampoo

270

00:12:36,710 --> 00:12:34,480

which i like to use water with i don't

271

00:12:39,110 --> 00:12:36,720

want to use just the shampoo and so i

272

00:12:41,430 --> 00:12:39,120

squirt some of the shampoo onto my scalp

273

00:12:43,269 --> 00:12:41,440

and i rub it in real good sometimes i'll

274

00:12:45,509 --> 00:12:43,279

take a washcloth to help rub it in and

275

00:12:47,110 --> 00:12:45,519

then i'll squirt some warm water and

276

00:12:47,990 --> 00:12:47,120

kind of work it out to the tips of my

277

00:12:50,550 --> 00:12:48,000

hair

278

00:12:51,590 --> 00:12:50,560

and uh and then scrub a little more and

279

00:12:53,910 --> 00:12:51,600

then

280

00:13:02,069 --> 00:12:53,920

take a dry towel

281

00:13:07,990 --> 00:13:04,629

hi my name is natalie fenna i'm in the

282

00:13:09,430 --> 00:13:08,000

sixth grade my question is for luca

283

00:13:11,509 --> 00:13:09,440

when you were younger were you

284

00:13:13,750 --> 00:13:11,519

interested in science technology

285

00:13:19,509 --> 00:13:13,760

engineering and math or did you find

286

00:13:23,509 --> 00:13:20,870

so i thought you were going to ask me

287

00:13:25,110 --> 00:13:23,519

how i shampoo my hair but

288

00:13:26,470 --> 00:13:25,120

but i guess that that's not very

289

00:13:27,750 --> 00:13:26,480

interesting

290

00:13:35,750 --> 00:13:27,760

so

291

00:13:38,310 --> 00:13:35,760

really like science and technology and

292

00:13:40,790 --> 00:13:38,320

since i was a kid i as a matter of fact

293

00:13:42,790 --> 00:13:40,800

i i remember reading comic books where

294

00:13:44,310 --> 00:13:42,800

the main guy was an inventor and he

295

00:13:46,629 --> 00:13:44,320

always invented things and i thought

296

00:13:48,790 --> 00:13:46,639

that that was the coolest thing ever uh

297

00:13:51,590 --> 00:13:48,800

it was a

298

00:13:54,629 --> 00:13:51,600

this this kind of wizard uh technician

299

00:13:56,550 --> 00:13:54,639

so uh that really got me into into

300

00:13:58,389 --> 00:13:56,560

science as a kid and then

301

00:14:00,790 --> 00:13:58,399

i actually went to a scientific high

302

00:14:03,750 --> 00:14:00,800

school which is uh an italian school

303

00:14:06,230 --> 00:14:03,760

system is is a way to get really

304

00:14:07,910 --> 00:14:06,240

really close to uh to science even at

305

00:14:10,150 --> 00:14:07,920

the high school level

306

00:14:12,389 --> 00:14:10,160

and i just always liked it and of course

307

00:14:14,710 --> 00:14:12,399

when you talk about science

308

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

science engineering technology all those

309

00:14:20,310 --> 00:14:17,040

things really go really go really go

310

00:14:23,030 --> 00:14:20,320

together and and of course math is is

311

00:14:25,670 --> 00:14:23,040

sort of like the glue that keeps it all

312

00:14:27,670 --> 00:14:25,680

together so yes the short answer is yes

313

00:14:33,829 --> 00:14:27,680

i was very interested in in science

314

00:14:39,110 --> 00:14:36,470

hi my name is daniela damasio i'm in

315

00:14:40,790 --> 00:14:39,120

sixth grade my question is for chris

316

00:14:46,949 --> 00:14:40,800

what kind of experiments are you

317

00:14:50,790 --> 00:14:49,110

well there's several types some that are

318

00:14:52,629 --> 00:14:50,800

are just going on all the time that we

319

00:14:54,150 --> 00:14:52,639

really don't interact with maybe some of

320

00:14:56,470 --> 00:14:54,160

those are outside the space station and

321

00:14:59,189 --> 00:14:56,480

a few inside here as well and there's a

322

00:15:01,670 --> 00:14:59,199

handful that we uh activate and then

323

00:15:04,069 --> 00:15:01,680

they run on their own and then a few

324

00:15:06,230 --> 00:15:04,079

that we are active participants in each

325

00:15:08,629 --> 00:15:06,240

time the experiment goes and uh an

326

00:15:11,829 --> 00:15:08,639

example of those are medical experiments

327

00:15:15,189 --> 00:15:11,839

perhaps with the ultrasound of our

328

00:15:17,189 --> 00:15:15,199

spines or various other other things

329

00:15:19,269 --> 00:15:17,199

and then one of one of the ones that

330

00:15:22,629 --> 00:15:19,279

i've been doing a lot has to do with

331

00:15:24,870 --> 00:15:22,639

combustion and uh in safety properties

332

00:15:26,629 --> 00:15:24,880

of different materials and we have just

333

00:15:29,509 --> 00:15:26,639

off to our left here there's a glove box

334

00:15:31,670 --> 00:15:29,519

a research glove box where we uh in a

335

00:15:34,470 --> 00:15:31,680

controlled environment ignite certain

336

00:15:37,430 --> 00:15:34,480

materials and see how uh how it resists

337

00:15:40,150 --> 00:15:37,440

to to combustion and and that's really

338

00:15:43,509 --> 00:15:40,160

been a fun thing for me to do because

339

00:15:45,509 --> 00:15:43,519

what guy kid person doesn't enjoy uh

340

00:15:47,350 --> 00:15:45,519

playing with fire in space or on earth

341

00:15:49,990 --> 00:15:47,360

so that's a lot of fun and then a really

342

00:15:52,550 --> 00:15:50,000

nice experiment also has been with fluid

343

00:15:54,949 --> 00:15:52,560

flow and figuring out different shapes

344

00:15:56,949 --> 00:15:54,959

of containers that can move fluid

345

00:15:58,069 --> 00:15:56,959

without a pump just by the shape of the

346

00:15:59,590 --> 00:15:58,079

container those have been really

347

00:16:03,430 --> 00:15:59,600

interesting experiments for me to

348

00:16:08,629 --> 00:16:04,870

hello my name

349

00:16:10,790 --> 00:16:08,639

in seventh grade i have a question for

350

00:16:17,350 --> 00:16:10,800

karen what is one good thing and one bad

351

00:16:22,069 --> 00:16:19,749

it's easy to say the good things uh the

352

00:16:23,509 --> 00:16:22,079

one good thing we get to fly in space

353

00:16:25,990 --> 00:16:23,519

like chris was talking about earlier

354

00:16:28,069 --> 00:16:26,000

just being here is absolutely fantastic

355

00:16:29,030 --> 00:16:28,079

this is an opportunity that very few

356

00:16:31,670 --> 00:16:29,040

people

357

00:16:33,990 --> 00:16:31,680

on our planet earth get and we are very

358

00:16:35,350 --> 00:16:34,000

very fortunate to be some of the some of

359

00:16:37,590 --> 00:16:35,360

the lucky few

360

00:16:38,629 --> 00:16:37,600

one of the bad things it requires time

361

00:16:40,069 --> 00:16:38,639

away

362

00:16:41,910 --> 00:16:40,079

when our training

363

00:16:45,030 --> 00:16:41,920

time away from home and your family and

364

00:16:46,470 --> 00:16:45,040

then obviously now not unlike folks in

365

00:16:48,069 --> 00:16:46,480

our military that have to spend time

366

00:16:49,670 --> 00:16:48,079

away from their families

367

00:16:50,949 --> 00:16:49,680

so i think that would be that would be

368

00:16:52,629 --> 00:16:50,959

my the the

369

00:16:54,310 --> 00:16:52,639

least um

370

00:17:00,150 --> 00:16:54,320

the the worst thing about being an

371

00:17:04,390 --> 00:17:02,310

hello my name is althea smith i'm an 8th

372

00:17:05,909 --> 00:17:04,400

grader and my question is for luca how

373

00:17:13,429 --> 00:17:05,919

much time do you spend on the computer

374

00:17:17,590 --> 00:17:15,110

so

375

00:17:20,230 --> 00:17:17,600

i'm not much of a computer geek honestly

376

00:17:22,630 --> 00:17:20,240

so i only i only picked up the social

377

00:17:24,309 --> 00:17:22,640

media thing uh in recent years when i

378

00:17:25,029 --> 00:17:24,319

when i became an astronaut and i thought

379

00:17:28,470 --> 00:17:25,039

that

380

00:17:30,630 --> 00:17:28,480

would be wasted

381

00:17:32,789 --> 00:17:30,640

if i didn't share it with as many people

382

00:17:35,430 --> 00:17:32,799

as i could and i took it as a personal

383

00:17:38,070 --> 00:17:35,440

mission to show people that that we are

384

00:17:40,789 --> 00:17:38,080

normal people uh we are very privileged

385

00:17:44,150 --> 00:17:40,799

to have a very cool job and so i started

386

00:17:45,909 --> 00:17:44,160

um i started uh

387

00:17:47,909 --> 00:17:45,919

being active on the computer in social

388

00:17:50,390 --> 00:17:47,919

media here in the station we are very

389

00:17:52,950 --> 00:17:50,400

busy it's it's incredible how time flies

390

00:17:55,669 --> 00:17:52,960

so we only spend i i can only spend

391

00:17:57,510 --> 00:17:55,679

about uh half an hour through throughout

392

00:18:01,029 --> 00:17:57,520

the whole day about half an hour on the

393

00:18:03,750 --> 00:18:01,039

computer trying to update my my status

394

00:18:05,590 --> 00:18:03,760

and keep people uh up with what we are

395

00:18:07,909 --> 00:18:05,600

doing here on the station and to post

396

00:18:14,630 --> 00:18:07,919

pictures of the earth which is the most

397

00:18:18,390 --> 00:18:16,710

hi my name is nicole thackeberry i'm in

398

00:18:20,549 --> 00:18:18,400

seventh grade and this question is for

399

00:18:26,630 --> 00:18:20,559

chris what is your favorite part about

400

00:18:29,669 --> 00:18:28,390

hmm let's see

401  
00:18:30,950 --> 00:18:29,679  
i think

402  
00:18:33,029 --> 00:18:30,960  
just

403  
00:18:35,990 --> 00:18:33,039  
getting used to how how lightly you can

404  
00:18:38,150 --> 00:18:36,000  
push in and and go places at the when i

405  
00:18:41,110 --> 00:18:38,160  
first got here i wanted to push really

406  
00:18:42,950 --> 00:18:41,120  
hard uh and feeling like i needed to use

407  
00:18:44,549 --> 00:18:42,960  
the same amount of force that i that you

408  
00:18:46,230 --> 00:18:44,559  
use on earth to walk somewhere for

409  
00:18:48,310 --> 00:18:46,240  
instance and

410  
00:18:49,990 --> 00:18:48,320  
as i've been here longer it's really

411  
00:18:52,070 --> 00:18:50,000  
been neat to to

412  
00:18:54,870 --> 00:18:52,080  
experiment with just how little you can

413  
00:18:56,390 --> 00:18:54,880

push off and go places and just imagine

414

00:18:58,630 --> 00:18:56,400

if in the room that you're sitting right

415

00:19:00,310 --> 00:18:58,640

now instead of all of you on your chairs

416

00:19:02,470 --> 00:19:00,320

in your gymnasium or auditorium

417

00:19:05,510 --> 00:19:02,480

everyone's floating around and crashing

418

00:19:07,350 --> 00:19:05,520

into each other in that in that room

419

00:19:09,669 --> 00:19:07,360

how fun it would be and that's kind of

420

00:19:11,590 --> 00:19:09,679

how it is up here we have crashes right

421

00:19:13,990 --> 00:19:11,600

now we're very calm and coordinated in

422

00:19:16,310 --> 00:19:14,000

front of you but when the camera's off

423

00:19:17,990 --> 00:19:16,320

we come crashing in and and have to get

424

00:19:20,470 --> 00:19:18,000

used to traveling up here in zero

425

00:19:25,510 --> 00:19:20,480

gravity so so that's the most uh fun

426

00:19:29,430 --> 00:19:27,510

hi my name is megan briggs i'm in eighth

427

00:19:31,430 --> 00:19:29,440

grade and my question is for karen since

428

00:19:32,789 --> 00:19:31,440

you and your husband are both astronauts

429

00:19:34,230 --> 00:19:32,799

do you think that your son jack would

430

00:19:39,190 --> 00:19:34,240

want to be an astronaut too and would

431

00:19:43,510 --> 00:19:41,830

well jack right now is three years old

432

00:19:45,110 --> 00:19:43,520

so it's really hard to say what he's

433

00:19:46,950 --> 00:19:45,120

going to end up doing we're getting

434

00:19:49,430 --> 00:19:46,960

indications that he is technically

435

00:19:51,190 --> 00:19:49,440

minded um to some degree but that's kind

436

00:19:53,430 --> 00:19:51,200

of hard to tell by a three-year-old but

437

00:19:55,750 --> 00:19:53,440

my hope for him is that he finds

438

00:19:57,909 --> 00:19:55,760

something that he's passionate about

439

00:19:59,909 --> 00:19:57,919

whatever it is whether it be space or

440

00:20:01,909 --> 00:19:59,919

something else space to him might become

441

00:20:04,070 --> 00:20:01,919

such an ordinary thing that that he

442

00:20:05,909 --> 00:20:04,080

doesn't find it the same you know the

443

00:20:08,630 --> 00:20:05,919

same passion about it that i did when i

444

00:20:10,070 --> 00:20:08,640

was a kid so i just my like i said my

445

00:20:11,590 --> 00:20:10,080

hope for him is that he finds something

446

00:20:14,470 --> 00:20:11,600

that he's passionate about and that he

447

00:20:16,230 --> 00:20:14,480

finds the drive to work hard at it and

448

00:20:21,350 --> 00:20:16,240

we'll be there to help him as much as we

449

00:20:26,149 --> 00:20:23,669

this is kelly graveson again i just

450

00:20:27,830 --> 00:20:26,159

wanted to thank you so much for taking

451  
00:20:30,710 --> 00:20:27,840  
time out of your busy and important

452  
00:20:32,789 --> 00:20:30,720  
schedules to talk to us chris or karen

453  
00:20:35,830 --> 00:20:32,799  
or luca we'd love to have you come visit

454  
00:20:37,430 --> 00:20:35,840  
us in douglas anytime we'll set it up

455  
00:20:39,750 --> 00:20:37,440  
and we wish you luck as you continue

456  
00:20:51,669 --> 00:20:39,760  
your mission and we look forward to your

457  
00:20:55,830 --> 00:20:53,830  
thank you very much kelly and everybody

458  
00:20:58,470 --> 00:20:55,840  
there in douglas we really appreciate it

459  
00:21:00,149 --> 00:20:58,480  
and uh you guys have a fantastic summer

460  
00:21:02,470 --> 00:21:00,159  
congratulations on finishing the school

461  
00:21:05,110 --> 00:21:02,480  
year bye-bye

462  
00:21:08,070 --> 00:21:05,120  
station this is houston acr thank you

463  
00:21:09,270 --> 00:21:08,080

that concludes the event

464

00:21:10,950 --> 00:21:09,280

thank you douglas intermediate

465

00:21:12,390 --> 00:21:10,960

elementary school station we are now