



1
00:00:20,470 --> 00:00:17,830
one of the reasons we go

2
00:00:22,710 --> 00:00:20,480
to space is not just to learn about the

3
00:00:24,950 --> 00:00:22,720
stars and other planets but to look back

4
00:00:28,710 --> 00:00:24,960
down at the earth

5
00:00:31,429 --> 00:00:28,720
in a way your training at camp seahawk

6
00:00:33,590 --> 00:00:31,439
is a lot like the training of astronauts

7
00:00:36,389 --> 00:00:33,600
you're going to build a team

8
00:00:37,990 --> 00:00:36,399
and explore a new planet in a way

9
00:00:40,630 --> 00:00:38,000
because you're going to see spaceship

10
00:00:42,950 --> 00:00:40,640
earth with new lenses

11
00:00:45,670 --> 00:00:42,960
discovering spaceship earth with new

12
00:00:47,750 --> 00:00:45,680
lenses is the main focus of the space

13
00:00:49,990 --> 00:00:47,760

earth ocean center camp

14

00:00:52,549 --> 00:00:50,000

seahawk for short

15

00:00:54,709 --> 00:00:52,559

teacher and space finalist peggy laflin

16

00:00:56,470 --> 00:00:54,719

describes seahawk to the newly arrived

17

00:00:58,549 --> 00:00:56,480

campers

18

00:01:00,709 --> 00:00:58,559

during the introduction the students

19

00:01:03,029 --> 00:01:00,719

begin to realize they are in for an

20

00:01:09,350 --> 00:01:03,039

exciting week-long adventure to learn

21

00:01:13,510 --> 00:01:11,350

located at the armond bayou nature

22

00:01:15,750 --> 00:01:13,520

center near houston texas

23

00:01:17,670 --> 00:01:15,760

seahawk operates for six weeks during

24

00:01:19,510 --> 00:01:17,680

the summer

25

00:01:21,510 --> 00:01:19,520

seahawks environmental awareness

26

00:01:23,749 --> 00:01:21,520

curriculum is the basis for the camps

27

00:01:27,910 --> 00:01:23,759

lessons that are taught in the fields

28

00:01:30,390 --> 00:01:27,920

forests and waters of armand bayou

29

00:01:33,429 --> 00:01:30,400

activities are designed to instill a new

30

00:01:35,350 --> 00:01:33,439

appreciation of earth's finite resources

31

00:01:37,910 --> 00:01:35,360

as well as develop a sense of team

32

00:01:41,670 --> 00:01:37,920

spirit among these future scientists

33

00:01:43,910 --> 00:01:41,680

astronauts and even educators

34

00:01:46,550 --> 00:01:43,920

seahawk director steve russell comments

35

00:01:48,870 --> 00:01:46,560

on the camp's formation and goals so

36

00:01:50,630 --> 00:01:48,880

with a consortium of arm and bio nature

37

00:01:52,469 --> 00:01:50,640

center clear creek independent school

38

00:01:54,710 --> 00:01:52,479

district

39

00:01:55,830 --> 00:01:54,720

johnson space center and the university

40

00:01:58,230 --> 00:01:55,840

of houston

41

00:02:00,870 --> 00:01:58,240

uh the four institutions work together

42

00:02:04,950 --> 00:02:00,880

to develop this program

43

00:02:07,350 --> 00:02:04,960

our program involves studying ecology

44

00:02:09,109 --> 00:02:07,360

ocean science weather

45

00:02:11,350 --> 00:02:09,119

space studies

46

00:02:13,670 --> 00:02:11,360

and we try to teach environmental

47

00:02:15,190 --> 00:02:13,680

awareness and hopefully

48

00:02:20,309 --> 00:02:15,200

talk some of these bright youngsters

49

00:02:24,869 --> 00:02:22,790

using the space theme the campers are

50

00:02:28,390 --> 00:02:24,879

divided into groups that parallel the

51

00:02:30,790 --> 00:02:28,400

size of space shuttle crews

52

00:02:33,190 --> 00:02:30,800

each crew designs a patch reflecting

53

00:02:35,670 --> 00:02:33,200

their mission goals at seahawk using

54

00:02:39,750 --> 00:02:35,680

actual mission patches from past space

55

00:02:43,990 --> 00:02:41,910

look out red lobster here we come

56

00:02:46,229 --> 00:02:44,000

discovering the inhabitants of the local

57

00:02:48,550 --> 00:02:46,239

waters enhances the ocean related

58

00:02:50,710 --> 00:02:48,560

studies taught at the camp and provides

59

00:02:53,430 --> 00:02:50,720

hands-on experience not readily

60

00:02:56,710 --> 00:02:53,440

available in the classroom

61

00:03:01,430 --> 00:02:58,869

male has a rocket ship type shape here

62

00:03:02,630 --> 00:03:01,440

see that you can even take one of his

63

00:03:04,070 --> 00:03:02,640

legs here

64

00:03:05,830 --> 00:03:04,080

and start pry it up that's what you do

65

00:03:07,589 --> 00:03:05,840

whenever you're opening them up to get

66

00:03:09,509 --> 00:03:07,599

them ready to eat you just pull that on

67

00:03:12,790 --> 00:03:09,519

down

68

00:03:15,270 --> 00:03:12,800

seahawk counselor rob mccllelland

69

00:03:18,630 --> 00:03:15,280

i think that that learning is most

70

00:03:21,750 --> 00:03:18,640

important when it is hands on

71

00:03:24,790 --> 00:03:21,760

sainting is about as hands-on as it gets

72

00:03:25,990 --> 00:03:24,800

and the sainting net is two long poles

73

00:03:28,309 --> 00:03:26,000

the net

74

00:03:30,470 --> 00:03:28,319

fine mesh net in between

75

00:03:32,949 --> 00:03:30,480

they learn how to use that themselves

76
00:03:35,270 --> 00:03:32,959
they get a little bit of instruction in

77
00:03:36,789 --> 00:03:35,280
this trial and error

78
00:03:38,710 --> 00:03:36,799
it's fascinating the stuff that they

79
00:03:41,750 --> 00:03:38,720
bring up and to watch their faces light

80
00:03:43,910 --> 00:03:41,760
up you get shrimp in there

81
00:03:46,550 --> 00:03:43,920
silver sides every kind of little fish

82
00:03:48,710 --> 00:03:46,560
or organism just about you can imagine

83
00:03:51,910 --> 00:03:48,720
yeah it is a little busy that's an

84
00:03:54,550 --> 00:03:53,350
i can't you can't really tell when

85
00:03:57,110 --> 00:03:54,560
they're that young

86
00:03:58,869 --> 00:03:57,120
oh there's another one

87
00:04:03,110 --> 00:03:58,879
somebody got this

88
00:04:08,470 --> 00:04:05,270

discovering the makeup of water is the

89

00:04:10,470 --> 00:04:08,480

purpose of conducting ph comparisons

90

00:04:12,710 --> 00:04:10,480

here the children learn the difference

91

00:04:18,150 --> 00:04:12,720

between swimming and drinking water by

92

00:04:23,110 --> 00:04:20,789

okay slide it into the kit

93

00:04:24,790 --> 00:04:23,120

okay

94

00:04:26,710 --> 00:04:24,800

if it's darker than a mall then we know

95

00:04:29,189 --> 00:04:26,720

that the ph has to be more than what

96

00:04:32,790 --> 00:04:29,199

number what number's on there that's the

97

00:04:38,790 --> 00:04:35,270

this marshy area at armand bayou was

98

00:04:40,950 --> 00:04:38,800

chosen to conduct plankton studies

99

00:04:42,790 --> 00:04:40,960

each group uses a plankton net for

100

00:04:44,870 --> 00:04:42,800

skimming the surface of the water to

101
00:04:46,310 --> 00:04:44,880
collect microorganisms living in the

102
00:04:48,629 --> 00:04:46,320
water

103
00:04:50,710 --> 00:04:48,639
back at the campsite the organisms will

104
00:05:03,830 --> 00:04:50,720
be examined and identified under

105
00:05:07,909 --> 00:05:05,909
canoeing on armand bayou is one of the

106
00:05:18,870 --> 00:05:07,919
many highlights during each seahawk

107
00:05:23,270 --> 00:05:20,790
the activity builds a sense of team

108
00:05:39,110 --> 00:05:23,280
effort as well as involves the campers

109
00:05:44,790 --> 00:05:42,629
they can look over like a continent like

110
00:05:46,550 --> 00:05:44,800
half the size of africa and they can

111
00:05:48,950 --> 00:05:46,560
tell which parts of it are warm and

112
00:05:50,150 --> 00:05:48,960
which parts of it are not so warm or

113
00:05:52,469 --> 00:05:50,160

colder

114

00:05:55,830 --> 00:05:52,479

the students also see the ocean elements

115

00:05:58,070 --> 00:05:55,840

from the perspective of living in space

116

00:06:00,550 --> 00:05:58,080

seahawk director steve russell ties

117

00:06:03,029 --> 00:06:00,560

together space exploration with earth

118

00:06:05,189 --> 00:06:03,039

exploration during his earth observation

119

00:06:07,189 --> 00:06:05,199

presentation phytoplankton or the

120

00:06:10,870 --> 00:06:07,199

microscopic plants

121

00:06:11,749 --> 00:06:10,880

use to make food

122

00:06:13,830 --> 00:06:11,759

okay

123

00:06:17,430 --> 00:06:13,840

right now the soviets

124

00:06:20,469 --> 00:06:17,440

have a satellite or a space station up

125

00:06:22,070 --> 00:06:20,479

in space in orbit around the earth

126

00:06:24,629 --> 00:06:22,080

and they're tracking

127

00:06:26,550 --> 00:06:24,639

where the phytoplankton is growing

128

00:06:28,550 --> 00:06:26,560

the most and that's where they send

129

00:06:30,390 --> 00:06:28,560

their fishing fleet you don't have to

130

00:06:32,309 --> 00:06:30,400

spend a lot of money running a ship

131

00:06:34,870 --> 00:06:32,319

going out looking for fish you know

132

00:06:36,870 --> 00:06:34,880

exactly where to go and i'm sure that

133

00:06:38,870 --> 00:06:36,880

when the united states when we get our

134

00:06:42,070 --> 00:06:38,880

space station up we'll use it for the

135

00:06:46,710 --> 00:06:44,469

other space-related activities include

136

00:06:48,230 --> 00:06:46,720

touring the johnson space center located

137

00:06:50,710 --> 00:06:48,240

nearby

138

00:06:54,070 --> 00:06:50,720

the students observe space technology up

139

00:06:55,749 --> 00:06:54,080

close from past present and future space

140

00:06:57,990 --> 00:06:55,759

endeavors

141

00:06:59,990 --> 00:06:58,000

moreover the campers develop an

142

00:07:02,309 --> 00:07:00,000

understanding of the technology that is

143

00:07:04,550 --> 00:07:02,319

involved in space flight and how the

144

00:07:06,790 --> 00:07:04,560

astronauts work in space to bring back

145

00:07:09,510 --> 00:07:06,800

new data for earth scientists to

146

00:07:12,469 --> 00:07:09,520

practice loading and storage and cooking

147

00:07:14,790 --> 00:07:12,479

on the shuttle now look at this trainer

148

00:07:16,629 --> 00:07:14,800

raised up so that inside the helmet you

149

00:07:18,790 --> 00:07:16,639

no longer scheduled for the end of the

150

00:07:20,469 --> 00:07:18,800

tour is a demonstration of the suits

151
00:07:22,150 --> 00:07:20,479
worn by astronauts during their

152
00:07:23,350 --> 00:07:22,160
spacewalk we allow the astronauts to

153
00:07:25,110 --> 00:07:23,360
turn

154
00:07:33,029 --> 00:07:25,120
their body

155
00:07:37,350 --> 00:07:34,870
the kids also get to examine the

156
00:07:40,629 --> 00:07:37,360
different suit parts up close and even

157
00:07:44,550 --> 00:07:43,110
the material material itself is flexible

158
00:07:46,550 --> 00:07:44,560
enough so that even when it's hot or

159
00:07:47,510 --> 00:07:46,560
cold you can still fit in fairly easily

160
00:07:49,029 --> 00:07:47,520
and the

161
00:07:51,350 --> 00:07:49,039
visors are

162
00:07:53,830 --> 00:07:51,360
made to work even in the cold or hot so

163
00:07:56,070 --> 00:07:53,840

you know everything has to be designed

164

00:07:57,909 --> 00:07:56,080

astronaut lauren shriver shares his

165

00:08:01,350 --> 00:07:57,919

experiences and knowledge of earth

166

00:08:03,909 --> 00:08:01,360

observation from space with the campers

167

00:08:06,150 --> 00:08:03,919

each week a different astronaut visits

168

00:08:08,309 --> 00:08:06,160

seahawk to discuss earth science through

169

00:08:10,309 --> 00:08:08,319

space flight with the kids and get a

170

00:08:12,390 --> 00:08:10,319

very good perspective

171

00:08:15,189 --> 00:08:12,400

of what's happening down on the ground

172

00:08:16,950 --> 00:08:15,199

we spent an awful lot of time

173

00:08:17,830 --> 00:08:16,960

looking back at the earth

174

00:08:20,070 --> 00:08:17,840

and

175

00:08:22,550 --> 00:08:20,080

seeing what the rivers are doing

176

00:08:24,309 --> 00:08:22,560

seeing if there's any changes in the

177

00:08:25,589 --> 00:08:24,319

sizes of lakes

178

00:08:27,670 --> 00:08:25,599

of

179

00:08:29,670 --> 00:08:27,680

forest areas that cover the mountains

180

00:08:30,790 --> 00:08:29,680

and and the jungle areas and things like

181

00:08:34,709 --> 00:08:30,800

that

182

00:08:39,110 --> 00:08:34,719

setting is there

183

00:08:43,190 --> 00:08:41,110

one of the things that we're interesting

184

00:08:46,230 --> 00:08:43,200

interested in finding out is how easy it

185

00:08:48,150 --> 00:08:46,240

is to assemble structures in space

186

00:08:50,630 --> 00:08:48,160

and we've had several experience

187

00:08:53,990 --> 00:08:50,640

experiments that deal with that

188

00:08:56,150 --> 00:08:54,000

this thing came was carried up

189

00:08:57,910 --> 00:08:56,160

exploring the forests and prairies

190

00:08:59,829 --> 00:08:57,920

expands the campers awareness of

191

00:09:01,509 --> 00:08:59,839

different plants and animals living in

192

00:09:03,829 --> 00:09:01,519

the area

193

00:09:07,190 --> 00:09:03,839

staff teacher sue cox describes the

194

00:09:08,389 --> 00:09:07,200

alphabet hunt activity i used it with

195

00:09:10,470 --> 00:09:08,399

these children

196

00:09:12,710 --> 00:09:10,480

was to have them list the alphabet in

197

00:09:14,790 --> 00:09:12,720

their journal and then as we began our

198

00:09:17,910 --> 00:09:14,800

forest activities we stopped along the

199

00:09:20,470 --> 00:09:17,920

way and we identified trees and flowers

200

00:09:21,910 --> 00:09:20,480

and any other objects that they saw that

201
00:09:23,910 --> 00:09:21,920
started with one of the letters of the

202
00:09:25,030 --> 00:09:23,920
alphabet they then listed this name in

203
00:09:27,269 --> 00:09:25,040
their journal

204
00:09:29,030 --> 00:09:27,279
it produces like grapes it makes real

205
00:09:30,790 --> 00:09:29,040
good jelly

206
00:09:32,310 --> 00:09:30,800
i think we can find some other ones a

207
00:09:40,630 --> 00:09:32,320
little bit further down where we can see

208
00:09:44,230 --> 00:09:41,670
now

209
00:09:45,750 --> 00:09:44,240
think about the red man

210
00:09:47,990 --> 00:09:45,760
indians

211
00:09:51,030 --> 00:09:48,000
associate that with red oak

212
00:09:53,910 --> 00:09:51,040
what did the indians

213
00:09:55,110 --> 00:09:53,920

uh use as weapons

214

00:09:56,949 --> 00:09:55,120

uh

215

00:10:01,750 --> 00:09:56,959

arrowheads or spears

216

00:10:04,230 --> 00:10:01,760

around

217

00:10:07,430 --> 00:10:04,240

pointed okay look at the tips of the

218

00:10:09,910 --> 00:10:07,440

arrows so he's pointed and rounded

219

00:10:12,070 --> 00:10:09,920

is it a red oak or a white oak

220

00:10:17,590 --> 00:10:12,080

exactly this one belongs to the red oak

221

00:10:23,110 --> 00:10:19,829

high enough yeah too tight the hugga

222

00:10:25,910 --> 00:10:23,120

tree activities were designed to

223

00:10:27,750 --> 00:10:25,920

have the students

224

00:10:30,150 --> 00:10:27,760

develop an awareness

225

00:10:31,750 --> 00:10:30,160

of a tree by going over to the tree

226
00:10:44,150 --> 00:10:31,760
blindfolded

227
00:10:49,269 --> 00:10:46,949
they then were to fill the tree

228
00:10:50,310 --> 00:10:49,279
using any of their senses except a sense

229
00:10:53,269 --> 00:10:50,320
of taste

230
00:10:55,110 --> 00:10:53,279
they could smell it they could feel it

231
00:10:57,430 --> 00:10:55,120
they could listen to it

232
00:10:59,110 --> 00:10:57,440
they could rub the bark they could reach

233
00:11:02,150 --> 00:10:59,120
down and feel the root system or the

234
00:11:05,030 --> 00:11:02,160
leaves or whatever part they wanted to

235
00:11:07,430 --> 00:11:05,040
experience then they were led away

236
00:11:09,269 --> 00:11:07,440
and then unblindfolded the object was

237
00:11:16,069 --> 00:11:09,279
for them to be able to go back and find

238
00:11:19,829 --> 00:11:18,389

the camper's explorations are not just

239

00:11:21,430 --> 00:11:19,839

above ground

240

00:11:23,829 --> 00:11:21,440

digging for indian and other

241

00:11:25,829 --> 00:11:23,839

archaeological finds native to the area

242

00:11:29,590 --> 00:11:25,839

proves there are many treasures below

243

00:11:34,949 --> 00:11:31,990

and a little imagination adds a lot to

244

00:11:38,150 --> 00:11:34,959

each successful excavation

245

00:11:39,110 --> 00:11:38,160

okay and where did you find it i found

246

00:11:41,509 --> 00:11:39,120

it

247

00:11:45,269 --> 00:11:41,519

about five centimeters under okay in

248

00:11:47,110 --> 00:11:45,279

what grid square spread 48

249

00:11:48,550 --> 00:11:47,120

and i think it was used after they've

250

00:11:49,269 --> 00:11:48,560

cut the head off and pulled the brain

251
00:11:50,949 --> 00:11:49,279
out

252
00:11:53,829 --> 00:11:50,959
to cut the brain

253
00:11:55,750 --> 00:11:53,839
into small pieces to divide tribes give

254
00:11:58,069 --> 00:11:55,760
each person more knowledge

255
00:12:00,550 --> 00:11:58,079
excellent okay

256
00:12:02,470 --> 00:12:00,560
okay the right side first one

257
00:12:04,790 --> 00:12:02,480
through participation in the challenge

258
00:12:07,350 --> 00:12:04,800
course activities the kids develop

259
00:12:09,990 --> 00:12:07,360
problem solving skills as well as learn

260
00:12:13,750 --> 00:12:10,000
to work effectively as a group and build

261
00:12:17,750 --> 00:12:15,509
so

262
00:12:18,870 --> 00:12:17,760
the object is to keep that bell from

263
00:12:21,350 --> 00:12:18,880

ringing

264

00:12:24,389 --> 00:12:21,360

get everybody from this side

265

00:12:27,110 --> 00:12:24,399

to that side now they are count the

266

00:12:29,590 --> 00:12:27,120

holes one two three four five six seven

267

00:12:30,949 --> 00:12:29,600

eight nine ten eleven twelve thirteen

268

00:12:33,829 --> 00:12:30,959

holes

269

00:12:50,550 --> 00:12:33,839

use each hole one time and

270

00:12:50,560 --> 00:13:04,389

watch

271

00:13:07,430 --> 00:13:06,310

okay one second let's take your glasses

272

00:13:11,269 --> 00:13:07,440

off okay

273

00:13:15,670 --> 00:13:13,110

she didn't need to see the fall

274

00:13:17,750 --> 00:13:15,680

all right closing her eyes anyway

275

00:13:23,750 --> 00:13:17,760

yeah

276

00:13:26,069 --> 00:13:24,790

there you go

277

00:13:27,350 --> 00:13:26,079

feet together

278

00:13:36,710 --> 00:13:27,360

body stiff

279

00:13:40,710 --> 00:13:36,720

does she really trust her crew mates for

280

00:13:40,720 --> 00:13:45,110

just bear with me

281

00:13:50,230 --> 00:13:48,230

roasting marshmallows singing songs and

282

00:14:15,189 --> 00:13:50,240

listening to ghost stories are great

283

00:14:19,990 --> 00:14:17,269

when i was born in italy if you were

284

00:14:22,150 --> 00:14:20,000

rich following the last campfire the

285

00:14:24,550 --> 00:14:22,160

young explorers receive a visit from a

286

00:14:25,910 --> 00:14:24,560

man whose scientific contributions from

287

00:14:27,829 --> 00:14:25,920

centuries ago

288

00:14:29,269 --> 00:14:27,839

sparked many of man's scientific

289

00:14:31,750 --> 00:14:29,279

achievements

290

00:14:33,269 --> 00:14:31,760

so who am i

291

00:14:35,430 --> 00:14:33,279

right

292

00:14:38,710 --> 00:14:35,440

leonardo of vinci

293

00:14:40,870 --> 00:14:38,720

i'm an inventor a scientist an artist

294

00:14:43,110 --> 00:14:40,880

and a mathematician

295

00:14:45,189 --> 00:14:43,120

i'm the father of botany

296

00:14:47,670 --> 00:14:45,199

i drew pictures of all sorts of plant

297

00:14:48,790 --> 00:14:47,680

life and so as you go through this camp

298

00:14:52,069 --> 00:14:48,800

this week

299

00:14:54,629 --> 00:14:52,079

you have seen everything relating

300

00:14:57,990 --> 00:14:54,639

in all the sciences as they all work

301

00:15:02,949 --> 00:15:00,230

after describing his contributions to

302

00:15:05,189 --> 00:15:02,959

science leonardo guides the campers and

303

00:15:07,990 --> 00:15:05,199

molding plaster casts of the face and

304

00:15:10,230 --> 00:15:08,000

hands like his human organ casts he made

305

00:15:11,670 --> 00:15:10,240

for study centuries ago

306

00:15:14,710 --> 00:15:11,680

now if you've got little brothers or

307

00:15:16,870 --> 00:15:14,720

sisters that talk too much

308

00:15:18,949 --> 00:15:16,880

this is what you might want to do

309

00:15:23,030 --> 00:15:18,959

you might want to start with this part

310

00:15:26,150 --> 00:15:24,629

you're my guinea pig you have to lie

311

00:15:30,790 --> 00:15:26,160

still they get to giggle if they think

312

00:15:39,430 --> 00:15:32,150

two of y'all are sharing here let me get

313

00:15:43,430 --> 00:15:41,110

yeah there you go

314

00:15:45,030 --> 00:15:43,440

up and down like this

315

00:15:47,670 --> 00:15:45,040

okay

316

00:15:49,350 --> 00:15:47,680

good good good good now you can take one

317

00:15:52,150 --> 00:15:49,360

more

318

00:16:04,629 --> 00:15:52,160

don't forget don't do their nostrils

319

00:16:09,829 --> 00:16:07,269

by week's end the campers have not only

320

00:16:11,670 --> 00:16:09,839

earned their seahawk t-shirts but have

321

00:16:13,430 --> 00:16:11,680

gained a greater awareness of their

322

00:16:15,990 --> 00:16:13,440

surroundings

323

00:16:17,910 --> 00:16:16,000

the community sees this program

324

00:16:19,910 --> 00:16:17,920

as an asset to our community seahawk

325

00:16:22,150 --> 00:16:19,920

director steve russell shares his

326

00:16:24,550 --> 00:16:22,160

overall thoughts the environmental

327

00:16:26,310 --> 00:16:24,560

awareness that we're promoting can

328

00:16:27,590 --> 00:16:26,320

can only help the community in the

329

00:16:29,910 --> 00:16:27,600

future

330

00:16:31,910 --> 00:16:29,920

these students that are here at this

331

00:16:34,150 --> 00:16:31,920

program will be the scientists of the

332

00:16:36,230 --> 00:16:34,160

future and they'll be the ones who'll be

333

00:16:39,269 --> 00:16:36,240

making decisions on how we use our

334

00:16:41,829 --> 00:16:39,279

natural resources and

335

00:16:44,870 --> 00:16:41,839

how we hopefully use our all of our

336

00:16:47,269 --> 00:16:44,880

environment rather than abusing it

337

00:16:49,350 --> 00:16:47,279

i'd like for the students to go away

338

00:16:51,670 --> 00:16:49,360

with the knowledge that

339

00:16:54,310 --> 00:16:51,680

there has been space technology

340

00:16:55,829 --> 00:16:54,320

developed by the space program that can

341

00:16:57,990 --> 00:16:55,839

be used to

342

00:17:00,470 --> 00:16:58,000

gather much more information about our

343

00:17:02,150 --> 00:17:00,480

earth system and to use that information

344

00:17:03,350 --> 00:17:02,160

to improve the equality of the

345

00:17:05,590 --> 00:17:03,360

environment

346

00:17:07,510 --> 00:17:05,600

and hopefully to

347

00:17:09,829 --> 00:17:07,520

learn more how the earth works so we

348

00:17:11,429 --> 00:17:09,839

don't continue to make ecological or

349

00:17:14,630 --> 00:17:11,439

environmental mistakes

350

00:17:16,710 --> 00:17:14,640

that moisture becomes clouds

351

00:17:18,549 --> 00:17:16,720

seahawks focus on the environment

352

00:17:21,189 --> 00:17:18,559

through a variety of observation

353

00:17:23,429 --> 00:17:21,199

techniques will serve these explorers in