



1
00:00:19,680 --> 00:00:22,950
good afternoon

2
00:00:27,589 --> 00:00:25,029
i am tina thompson the principal of gorn

3
00:00:29,910 --> 00:00:27,599
flow and i'm very excited to welcome all

4
00:00:31,109 --> 00:00:29,920
of you to our school on this wonderful

5
00:00:34,229 --> 00:00:31,119
occasion

6
00:00:36,150 --> 00:00:34,239
we are here to celebrate and honor the

7
00:00:37,910 --> 00:00:36,160
achievements of one of gormflow's

8
00:00:39,750 --> 00:00:37,920
special alumni

9
00:00:48,549 --> 00:00:39,760
fred hayes

10
00:00:52,470 --> 00:00:50,229
boys and girls i know all of you

11
00:00:55,110 --> 00:00:52,480
remember mr hayes who was with us just

12
00:00:56,229 --> 00:00:55,120
last week at our reading is fundamental

13
00:00:58,470 --> 00:00:56,239

book day

14

00:01:00,709 --> 00:00:58,480

mr hayes was kind enough to spend the

15

00:01:02,229 --> 00:01:00,719

day with us and read a book to all of

16

00:01:04,469 --> 00:01:02,239

our students

17

00:01:05,990 --> 00:01:04,479

mr hayes has returned again today to

18

00:01:08,950 --> 00:01:06,000

share another

19

00:01:11,030 --> 00:01:08,960

very special day with you

20

00:01:13,109 --> 00:01:11,040

today all of the gorn flow students have

21

00:01:15,109 --> 00:01:13,119

enjoyed a day filled with learning and i

22

00:01:17,590 --> 00:01:15,119

want to take this opportunity to thank

23

00:01:19,749 --> 00:01:17,600

the nasa staff and the biloxi public

24

00:01:21,510 --> 00:01:19,759

school staff who helped make this day a

25

00:01:23,510 --> 00:01:21,520

reality

26

00:01:27,190 --> 00:01:23,520

i have been given the distinct honor of

27

00:01:30,149 --> 00:01:27,200

introducing gene goldman

28

00:01:33,190 --> 00:01:30,159

mr goldman is the director of nasa's

29

00:01:35,510 --> 00:01:33,200

john c stennis space center

30

00:01:36,950 --> 00:01:35,520

as director he provides executive

31

00:01:39,590 --> 00:01:36,960

leadership

32

00:01:41,670 --> 00:01:39,600

overall direction and management of the

33

00:01:44,149 --> 00:01:41,680

center

34

00:01:47,109 --> 00:01:44,159

mr goldman is responsible for

35

00:01:50,550 --> 00:01:47,119

implementing the center's roles for nasa

36

00:01:52,870 --> 00:01:50,560

in the area of rocket propulsion testing

37

00:01:54,630 --> 00:01:52,880

and applied science

38

00:01:57,429 --> 00:01:54,640

students i guess you could say that mr

39

00:02:00,230 --> 00:01:57,439

goldman is like the principal of stennis

40

00:02:07,749 --> 00:02:00,240

space center please help me welcome gene

41

00:02:11,750 --> 00:02:09,430

that's the first nice thing a principal

42

00:02:13,110 --> 00:02:11,760

has ever said about me

43

00:02:14,869 --> 00:02:13,120

thank you miss thompson for the

44

00:02:17,110 --> 00:02:14,879

introduction and i especially want to

45

00:02:19,350 --> 00:02:17,120

thank you superintendent tisdale

46

00:02:22,150 --> 00:02:19,360

for opening up born flow elementary for

47

00:02:23,990 --> 00:02:22,160

this very important and special ceremony

48

00:02:26,150 --> 00:02:24,000

to honor fred hayes

49

00:02:28,390 --> 00:02:26,160

we have a beautiful school here

50

00:02:29,910 --> 00:02:28,400

and very enthusia enthusiastic students

51
00:02:31,830 --> 00:02:29,920
and staff

52
00:02:33,509 --> 00:02:31,840
we at nasa are very passionate about

53
00:02:36,790 --> 00:02:33,519
learning and it sure seems everyone here

54
00:02:39,430 --> 00:02:36,800
at goronflow is as well i'd also like to

55
00:02:40,869 --> 00:02:39,440
welcome the mayor a.j holloway

56
00:02:43,830 --> 00:02:40,879
biloxi mayor and some of the city

57
00:02:45,589 --> 00:02:43,840
officials who are here today also

58
00:02:47,030 --> 00:02:45,599
fred i know you have some family here

59
00:02:48,869 --> 00:02:47,040
today so i'm going to let you introduce

60
00:02:52,229 --> 00:02:48,879
them when they're all here

61
00:02:53,990 --> 00:02:52,239
this is boys and girls a truly special

62
00:02:56,150 --> 00:02:54,000
occasion and it's wonderful to see you

63
00:02:57,910 --> 00:02:56,160

here today to help celebrate this

64

00:03:01,509 --> 00:02:57,920

because today we are honoring a true

65

00:03:04,470 --> 00:03:01,519

space pioneer and real american hero and

66

00:03:06,470 --> 00:03:04,480

apollo astronaut fred hayes jr

67

00:03:07,509 --> 00:03:06,480

we're also fortunate today to have my

68

00:03:09,830 --> 00:03:07,519

boss

69

00:03:11,750 --> 00:03:09,840

nasa administrator charles bolden

70

00:03:13,830 --> 00:03:11,760

a former astronaut himself who's flown

71

00:03:16,390 --> 00:03:13,840

in space four times

72

00:03:18,470 --> 00:03:16,400

mr bolden is the leader of nasa

73

00:03:20,949 --> 00:03:18,480

directing us and our mission in space

74

00:03:22,949 --> 00:03:20,959

exploration and discovery and preparing

75

00:03:25,509 --> 00:03:22,959

us for an exciting future in education

76

00:03:28,070 --> 00:03:25,519

is one of his primary initiatives

77

00:03:29,350 --> 00:03:28,080

but before i introduce him i'd like to

78

00:03:31,670 --> 00:03:29,360

say something to the students of

79

00:03:34,149 --> 00:03:31,680

goronflow elementary

80

00:03:36,070 --> 00:03:34,159

as you watch mr hayes receive his roar

81

00:03:37,990 --> 00:03:36,080

award today and you hear about his

82

00:03:39,750 --> 00:03:38,000

amazing accomplishments

83

00:03:41,910 --> 00:03:39,760

please remember that he's not just a

84

00:03:44,470 --> 00:03:41,920

former astronaut

85

00:03:45,350 --> 00:03:44,480

he's also a former gorenflo elementary

86

00:03:47,750 --> 00:03:45,360

school

87

00:03:50,070 --> 00:03:47,760

student just as you are

88

00:03:53,350 --> 00:03:50,080

he's a living example of what you can do

89

00:03:55,509 --> 00:03:53,360

in life if you dream big and dare to try

90

00:03:57,910 --> 00:03:55,519

amazing things

91

00:03:59,429 --> 00:03:57,920

as i look out across all your faces i

92

00:04:00,630 --> 00:03:59,439

wonder if there might be a future

93

00:04:03,270 --> 00:04:00,640

astronaut

94

00:04:05,030 --> 00:04:03,280

a future leader of nasa a future nasa

95

00:04:08,229 --> 00:04:05,040

administrator possibly a president of

96

00:04:10,789 --> 00:04:08,239

the united states sitting among you

97

00:04:12,070 --> 00:04:10,799

whatever you dream

98

00:04:14,070 --> 00:04:12,080

dream big

99

00:04:16,069 --> 00:04:14,080

and follow it with all your heart and be

100

00:04:17,990 --> 00:04:16,079

willing to work for it

101
00:04:19,270 --> 00:04:18,000
if you do you too can accomplish great

102
00:04:21,189 --> 00:04:19,280
things

103
00:04:23,110 --> 00:04:21,199
now i'd like you to help me welcome in

104
00:04:24,710 --> 00:04:23,120
nasa administrator charlie bolden

105
00:04:26,790 --> 00:04:24,720
charlie thank you so much for taking the

106
00:04:28,550 --> 00:04:26,800
time today out of your demanding

107
00:04:30,870 --> 00:04:28,560
schedule to be here we're very honored

108
00:04:32,230 --> 00:04:30,880
to have you here so ladies and gentlemen

109
00:04:36,710 --> 00:04:32,240
boys and girls please help me in

110
00:04:36,720 --> 00:04:41,990
thank you

111
00:04:46,950 --> 00:04:44,469
thanks very much for the the great the

112
00:04:48,870 --> 00:04:46,960
undeserved introduction it's um

113
00:04:52,230 --> 00:04:48,880

good afternoon to all of you

114

00:04:53,909 --> 00:04:52,240

uh it is uh it's especially great for me

115

00:04:55,350 --> 00:04:53,919

to be here i've i've had the privilege

116

00:04:56,390 --> 00:04:55,360

of spending the morning here and

117

00:04:58,150 --> 00:04:56,400

watching

118

00:05:01,670 --> 00:04:58,160

if their parents over here you should be

119

00:05:03,990 --> 00:05:01,680

very proud because watching your kids

120

00:05:05,670 --> 00:05:04,000

as they would say do their thing they

121

00:05:07,749 --> 00:05:05,680

they are incredible scientists and

122

00:05:10,070 --> 00:05:07,759

budding engineers and everything else

123

00:05:12,710 --> 00:05:10,080

we've watched them make moon rock and

124

00:05:15,270 --> 00:05:12,720

we've watched them learn about

125

00:05:17,029 --> 00:05:15,280

gases expanding and contracting and

126

00:05:18,790 --> 00:05:17,039

learn about the moon and all kinds of

127

00:05:20,790 --> 00:05:18,800

stuff and and when they get home you'll

128

00:05:22,870 --> 00:05:20,800

also have to ask them about their their

129

00:05:27,590 --> 00:05:22,880

crew

130

00:05:29,670 --> 00:05:27,600

special stories to tell about those also

131

00:05:31,110 --> 00:05:29,680

it's it's great to be here at gorn flow

132

00:05:33,510 --> 00:05:31,120

and to see how the teachers and the

133

00:05:35,670 --> 00:05:33,520

students are working together

134

00:05:38,469 --> 00:05:35,680

to prepare the next generation of ex

135

00:05:39,990 --> 00:05:38,479

explorers for their future in space

136

00:05:41,110 --> 00:05:40,000

this school is a lot like our space

137

00:05:43,189 --> 00:05:41,120

program

138

00:05:45,189 --> 00:05:43,199

whenever we face challenges we work

139

00:05:48,790 --> 00:05:45,199

together to overcome them

140

00:05:51,350 --> 00:05:48,800

i know that katrina brought six feet

141

00:05:52,469 --> 00:05:51,360

yeah i am told to this school

142

00:05:54,310 --> 00:05:52,479

eight feet

143

00:05:55,909 --> 00:05:54,320

to your neighbor's school

144

00:05:58,390 --> 00:05:55,919

um

145

00:06:00,230 --> 00:05:58,400

water here but i also know that all of

146

00:06:02,550 --> 00:06:00,240

you working together repaired the damage

147

00:06:04,629 --> 00:06:02,560

rebuilt your school and got back to the

148

00:06:06,790 --> 00:06:04,639

task of teaching your students

149

00:06:10,230 --> 00:06:06,800

today gorn flow is the home to more than

150

00:06:12,309 --> 00:06:10,240

150 students taught by 17 teachers

151
00:06:13,830 --> 00:06:12,319
your academic performance and and for

152
00:06:15,830 --> 00:06:13,840
you kids

153
00:06:17,670 --> 00:06:15,840
i'm not sure you understand how good you

154
00:06:18,950 --> 00:06:17,680
are so i'm going to talk about you for a

155
00:06:20,550 --> 00:06:18,960
little while

156
00:06:21,830 --> 00:06:20,560
your academic performance is quite

157
00:06:23,830 --> 00:06:21,840
impressive

158
00:06:26,070 --> 00:06:23,840
i've learned that your grades three and

159
00:06:28,870 --> 00:06:26,080
five student scores exceed the state

160
00:06:30,790 --> 00:06:28,880
proficiency average in language

161
00:06:33,350 --> 00:06:30,800
and grades four and five students exceed

162
00:06:35,029 --> 00:06:33,360
the state proficiency average for math

163
00:06:37,189 --> 00:06:35,039

your fifth graders exceed the state

164

00:06:39,110 --> 00:06:37,199

average for math by more than 50 percent

165

00:06:41,189 --> 00:06:39,120

an incredible achievement

166

00:06:42,550 --> 00:06:41,199

this is a fabulous record of success and

167

00:06:44,469 --> 00:06:42,560

all of you should feel very proud

168

00:06:46,469 --> 00:06:44,479

because you do your school proud when

169

00:06:48,230 --> 00:06:46,479

you perform the way that you're doing

170

00:06:50,230 --> 00:06:48,240

and you also do your teachers proud

171

00:06:51,430 --> 00:06:50,240

because they feel that you're actually

172

00:06:53,430 --> 00:06:51,440

learning the material that they're

173

00:06:55,670 --> 00:06:53,440

trying to teach you in the classroom so

174

00:06:57,350 --> 00:06:55,680

so in your own special way you're paying

175

00:06:59,430 --> 00:06:57,360

tribute to them

176

00:07:01,749 --> 00:06:59,440

it's a fabulous record of success so all

177

00:07:03,189 --> 00:07:01,759

i can say is keep it up

178

00:07:06,469 --> 00:07:03,199

whether it be innovative teaching

179

00:07:08,550 --> 00:07:06,479

concepts such as rocket rocket rules

180

00:07:11,110 --> 00:07:08,560

or in-depth training in the language

181

00:07:13,350 --> 00:07:11,120

arts goran flow you're pointing the way

182

00:07:14,550 --> 00:07:13,360

to a future well-trained and educated

183

00:07:16,710 --> 00:07:14,560

workforce

184

00:07:19,589 --> 00:07:16,720

i think it perf a perfect place to make

185

00:07:21,029 --> 00:07:19,599

the latest award of nasa's ambassador of

186

00:07:23,350 --> 00:07:21,039

exploration

187

00:07:25,510 --> 00:07:23,360

the son of mississippi that we honor

188

00:07:28,870 --> 00:07:25,520

today knows something about overcoming

189

00:07:31,350 --> 00:07:28,880

challenges and achieving his dream

190

00:07:33,430 --> 00:07:31,360

fred hayes attended gorn flow elementary

191

00:07:35,110 --> 00:07:33,440

and graduated from biloxi high before

192

00:07:36,870 --> 00:07:35,120

graduating with honors in aeronautical

193

00:07:39,189 --> 00:07:36,880

engineering from the university of

194

00:07:41,189 --> 00:07:39,199

oklahoma in 1959.

195

00:07:42,870 --> 00:07:41,199

he completed post-graduate courses at

196

00:07:44,710 --> 00:07:42,880

the air force aerospace test pilot

197

00:07:47,749 --> 00:07:44,720

school at edwards air force base

198

00:07:50,070 --> 00:07:47,759

california in 1964 and at the harvard

199

00:07:51,670 --> 00:07:50,080

business school pmd program

200

00:07:53,749 --> 00:07:51,680

following completion of his aviator

201
00:07:55,670 --> 00:07:53,759
training fred served as a united states

202
00:07:57,749 --> 00:07:55,680
marine corps fighter pilot

203
00:07:59,990 --> 00:07:57,759
fred was selected by nasa for astronaut

204
00:08:02,150 --> 00:08:00,000
training in 1966

205
00:08:04,390 --> 00:08:02,160
he was backup lunar module pilot for

206
00:08:07,029 --> 00:08:04,400
apollo 8 and apollo 11

207
00:08:08,790 --> 00:08:07,039
and was back up spacecraft commander for

208
00:08:10,629 --> 00:08:08,800
apollo 16.

209
00:08:13,189 --> 00:08:10,639
but it is his service as lunar module

210
00:08:15,110 --> 00:08:13,199
pilot for the apollo 13 mission that

211
00:08:17,749 --> 00:08:15,120
most of us know fred

212
00:08:20,469 --> 00:08:17,759
made famous by movies and books

213
00:08:23,270 --> 00:08:20,479

the historic apollo 13 mission was as

214

00:08:25,110 --> 00:08:23,280

dramatic as any hollywood production

215

00:08:27,510 --> 00:08:25,120

when an explosion crippled his command

216

00:08:29,189 --> 00:08:27,520

module fred and his crewmates jim lovell

217

00:08:31,350 --> 00:08:29,199

and jack schweigert guided their

218

00:08:34,070 --> 00:08:31,360

spacecraft around the moon

219

00:08:35,589 --> 00:08:34,080

and back to a successful splashdown in

220

00:08:38,310 --> 00:08:35,599

the pacific ocean

221

00:08:39,909 --> 00:08:38,320

all while the world held its breath

222

00:08:42,389 --> 00:08:39,919

while fred didn't have the chance to

223

00:08:44,790 --> 00:08:42,399

walk on the moon the cool courage and

224

00:08:46,710 --> 00:08:44,800

concentration in the face of crisis is

225

00:08:48,070 --> 00:08:46,720

among his and nasa's most enduring

226

00:08:50,949 --> 00:08:48,080

legacies

227

00:08:52,630 --> 00:08:50,959

after apollo 13 came home fred was

228

00:08:54,870 --> 00:08:52,640

commander aboard the space shuttle

229

00:08:57,350 --> 00:08:54,880

enterprise during the shuttle's approach

230

00:09:00,389 --> 00:08:57,360

and landing test flights from june to

231

00:09:02,310 --> 00:09:00,399

october of 1977 before we flew the first

232

00:09:03,990 --> 00:09:02,320

real flight on the shuttle

233

00:09:06,470 --> 00:09:04,000

these test flights prove the flight

234

00:09:08,949 --> 00:09:06,480

control landing and subsonic flying

235

00:09:10,870 --> 00:09:08,959

qualities of the orbiter a key step in

236

00:09:12,470 --> 00:09:10,880

preparing the way for the space missions

237

00:09:16,550 --> 00:09:12,480

that were to come

238

00:09:17,990 --> 00:09:16,560

after he left nasa in 1979 fred spent 17

239

00:09:21,030 --> 00:09:18,000

years with the northrop grumman

240

00:09:22,710 --> 00:09:21,040

corporation and retired in 1996 as

241

00:09:25,030 --> 00:09:22,720

president of northrop grumman technical

242

00:09:26,230 --> 00:09:25,040

services in florida

243

00:09:27,910 --> 00:09:26,240

fred

244

00:09:30,070 --> 00:09:27,920

for all your service to nasa and the

245

00:09:31,829 --> 00:09:30,080

nation it's my pleasure to be here to

246

00:09:33,750 --> 00:09:31,839

present you with the ambassador of

247

00:09:36,310 --> 00:09:33,760

exploration award but

248

00:09:38,310 --> 00:09:36,320

before we do that we've got a clip of

249

00:09:40,470 --> 00:09:38,320

video that i would like for everyone to

250

00:09:41,990 --> 00:09:40,480

have an opportunity to see so i think

251
00:09:56,470 --> 00:09:42,000
they're going to roll that video right

252
00:09:56,480 --> 00:13:05,509
you all can actually

253
00:13:10,310 --> 00:13:07,910
boys and girls uh this is a very special

254
00:13:12,629 --> 00:13:10,320
day for you and i can only echo what mr

255
00:13:13,590 --> 00:13:12,639
gene goldman said there is no reason

256
00:13:19,430 --> 00:13:13,600
that

257
00:13:21,509 --> 00:13:19,440
proven

258
00:13:23,030 --> 00:13:21,519
uh by your academic performance that you

259
00:13:24,790 --> 00:13:23,040
can learn and that you can do

260
00:13:26,470 --> 00:13:24,800
exceptionally well so

261
00:13:29,030 --> 00:13:26,480
nothing would make him happier being

262
00:13:30,870 --> 00:13:29,040
here at home than to be able to read one

263
00:13:33,670 --> 00:13:30,880

day that that one of you sitting in this

264

00:13:36,230 --> 00:13:33,680

audience uh was on a crew that went to

265

00:13:38,629 --> 00:13:36,240

the moon or even better went to mars so

266

00:13:40,150 --> 00:13:38,639

uh set your sights really big

267

00:13:42,470 --> 00:13:40,160

it's now my pleasure to present the

268

00:13:44,550 --> 00:13:42,480

ambassador of exploration award this

269

00:13:46,150 --> 00:13:44,560

award recognizes the sacrifices and

270

00:13:48,870 --> 00:13:46,160

dedication of the mercury germany and

271

00:13:49,829 --> 00:13:48,880

apollo astronauts with this small lunar

272

00:13:52,870 --> 00:13:49,839

sample

273

00:13:55,509 --> 00:13:52,880

part of the 842 pounds of moon rocks and

274

00:13:59,670 --> 00:13:55,519

soils returned from the six lunar

275

00:14:01,670 --> 00:13:59,680

missions from 1969 to 1972

276

00:14:05,030 --> 00:14:01,680

at the base of the award

277

00:14:07,030 --> 00:14:05,040

reads a plaque or on the reads a sample

278

00:14:09,670 --> 00:14:07,040

is a symbol of human endeavor and

279

00:14:12,710 --> 00:14:09,680

mankind's hopes for the future of peace

280

00:14:14,470 --> 00:14:12,720

and harmony it is my honor and pleasure

281

00:14:42,870 --> 00:14:14,480

to give this ambassador of exploration

282

00:14:51,750 --> 00:14:46,949

thank you

283

00:14:51,760 --> 00:14:56,710

i wish i was that young again

284

00:15:02,069 --> 00:14:59,350

i i want to thank the nasa administrator

285

00:15:03,590 --> 00:15:02,079

for taking the time from his very busy

286

00:15:05,670 --> 00:15:03,600

schedule to

287

00:15:07,750 --> 00:15:05,680

to make the trip and join us for this

288

00:15:09,670 --> 00:15:07,760

extra special event

289

00:15:11,189 --> 00:15:09,680

i know he had to fight some weather even

290

00:15:13,990 --> 00:15:11,199

getting in last night it wasn't too good

291

00:15:18,310 --> 00:15:14,000

last night but i'm happy charlie made it

292

00:15:20,389 --> 00:15:18,320

i respect charlie as a fellow astronaut

293

00:15:22,629 --> 00:15:20,399

as a fellow marine

294

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

as a friend

295

00:15:28,230 --> 00:15:24,880

and one who is providing the leadership

296

00:15:30,150 --> 00:15:28,240

for nasa during these challenging times

297

00:15:32,470 --> 00:15:30,160

ahead

298

00:15:34,310 --> 00:15:32,480

this exploration

299

00:15:36,949 --> 00:15:34,320

bachelor of exploration award is a great

300

00:15:38,949 --> 00:15:36,959

honor and particularly so to receive it

301
00:15:41,030 --> 00:15:38,959
here as is mentioned several times where

302
00:15:44,790 --> 00:15:41,040
i started my education

303
00:15:47,269 --> 00:15:44,800
i hate to admit it but it was 1939

304
00:15:49,749 --> 00:15:47,279
70 years ago

305
00:15:52,069 --> 00:15:49,759
in fact i had trouble

306
00:15:54,389 --> 00:15:52,079
running down i tried to get more of my

307
00:15:56,629 --> 00:15:54,399
classmates that uh were there with and i

308
00:15:58,790 --> 00:15:56,639
had difficulty i see at least

309
00:16:00,710 --> 00:15:58,800
one arrived today

310
00:16:02,150 --> 00:16:00,720
uh janice uh

311
00:16:03,829 --> 00:16:02,160
seymour

312
00:16:05,590 --> 00:16:03,839
who i knew as janice felcher in those

313
00:16:08,389 --> 00:16:05,600

days

314

00:16:10,629 --> 00:16:08,399

and uh i didn't didn't want to

315

00:16:11,990 --> 00:16:10,639

hate to let you know your age but that's

316

00:16:13,990 --> 00:16:12,000

all right janice i'm glad you made it

317

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

i'm glad you made it

318

00:16:18,949 --> 00:16:16,320

the lunar rock uh incidentally is uh and

319

00:16:21,110 --> 00:16:18,959

if you looked at a nasa catalog i guess

320

00:16:22,470 --> 00:16:21,120

it's known as number one four three two

321

00:16:24,629 --> 00:16:22,480

one

322

00:16:28,389 --> 00:16:24,639

it's a rather inauspicious

323

00:16:30,389 --> 00:16:28,399

uh title for this uh this this rock

324

00:16:32,870 --> 00:16:30,399

uh i guess it's uh would be appreciated

325

00:16:35,110 --> 00:16:32,880

considerably by uh geologists and

326

00:16:37,269 --> 00:16:35,120

scientists who have studied it

327

00:16:39,269 --> 00:16:37,279

and trying to understand the origin of

328

00:16:40,790 --> 00:16:39,279

the moon and how that all fits into

329

00:16:41,749 --> 00:16:40,800

cosmology

330

00:16:44,470 --> 00:16:41,759

and

331

00:16:47,829 --> 00:16:44,480

our solar system

332

00:16:50,629 --> 00:16:47,839

i hope that many of you remember

333

00:16:51,829 --> 00:16:50,639

our young president john f kennedy

334

00:16:54,629 --> 00:16:51,839

i don't know a lot of room didn't

335

00:16:57,590 --> 00:16:54,639

remember because that was about 1961.

336

00:16:59,350 --> 00:16:57,600

he made a speech that really started the

337

00:17:01,829 --> 00:16:59,360

apollo program

338

00:17:03,670 --> 00:17:01,839

uh kicked it off and

339

00:17:06,309 --> 00:17:03,680

one of the things he said in that speech

340

00:17:08,949 --> 00:17:06,319

is we choose to go to the moon

341

00:17:10,949 --> 00:17:08,959

and do those other things

342

00:17:13,750 --> 00:17:10,959

not because they're easy

343

00:17:15,669 --> 00:17:13,760

but because they're difficult

344

00:17:18,230 --> 00:17:15,679

and at this time

345

00:17:20,630 --> 00:17:18,240

we had not put anybody into orbit yet

346

00:17:23,029 --> 00:17:20,640

john glenn had not made his flight

347

00:17:24,069 --> 00:17:23,039

so it's quite a bullish thing to kick

348

00:17:25,669 --> 00:17:24,079

off

349

00:17:29,110 --> 00:17:25,679

and i really don't think he knew just

350

00:17:30,789 --> 00:17:29,120

how hard it was really going to be

351

00:17:32,950 --> 00:17:30,799

but for me i hope

352

00:17:34,549 --> 00:17:32,960

in many of you you really uh when you

353

00:17:37,430 --> 00:17:34,559

see this rock

354

00:17:39,750 --> 00:17:37,440

uh you see it as a symbol

355

00:17:42,070 --> 00:17:39,760

of the uh of the effort

356

00:17:43,990 --> 00:17:42,080

uh made by a lot of people in fact uh at

357

00:17:46,470 --> 00:17:44,000

the peak of the program

358

00:17:50,070 --> 00:17:46,480

uh there were over 400 000

359

00:17:53,029 --> 00:17:50,080

people 400 000 people on the nasa team

360

00:17:54,710 --> 00:17:53,039

that enabled us to enjoy the successes

361

00:17:56,070 --> 00:17:54,720

uh we had

362

00:17:56,789 --> 00:17:56,080

and for

363

00:17:58,150 --> 00:17:56,799

uh

364

00:18:01,430 --> 00:17:58,160

ed mitchell

365

00:18:03,990 --> 00:18:01,440

and alan shepard to have the opportunity

366

00:18:05,990 --> 00:18:04,000

on apollo 14 to recover this sample this

367

00:18:08,630 --> 00:18:06,000

particular sample

368

00:18:11,510 --> 00:18:08,640

from the hills of fraumero

369

00:18:13,590 --> 00:18:11,520

on the surface of the moon

370

00:18:16,150 --> 00:18:13,600

some of you may wonder

371

00:18:18,150 --> 00:18:16,160

why gorn flow well obvious one obvious

372

00:18:21,350 --> 00:18:18,160

answer you've heard several times i was

373

00:18:23,510 --> 00:18:21,360

a student here starting my education

374

00:18:25,110 --> 00:18:23,520

one little story i shouldn't tell

375

00:18:27,510 --> 00:18:25,120

probably shouldn't tell

376

00:18:30,470 --> 00:18:27,520

i think it's already been told i uh i

377

00:18:32,789 --> 00:18:30,480

got a nickname while it uh gorn flow the

378

00:18:34,710 --> 00:18:32,799

nickname of peki

379

00:18:37,350 --> 00:18:34,720

uh because i was a woodpecker and an

380

00:18:38,230 --> 00:18:37,360

operetta uh here at the school

381

00:18:40,310 --> 00:18:38,240

and that

382

00:18:43,270 --> 00:18:40,320

a lot of my friends uh still know me as

383

00:18:46,310 --> 00:18:43,280

pecky family it's uncle pecky

384

00:18:49,350 --> 00:18:46,320

and as i look back though and think back

385

00:18:51,590 --> 00:18:49,360

that that time i was actually happy

386

00:18:53,110 --> 00:18:51,600

to have the name pecky because in the

387

00:18:55,510 --> 00:18:53,120

second grade

388

00:18:57,029 --> 00:18:55,520

we had a reader that was titled freddie

389

00:19:02,470 --> 00:18:57,039

the green frog

390

00:19:06,070 --> 00:19:04,470

several several of a family are here

391

00:19:08,470 --> 00:19:06,080

today not all some didn't want to play

392

00:19:10,150 --> 00:19:08,480

hooky from school i have a pair of twins

393

00:19:11,830 --> 00:19:10,160

that are in high school but i wonder if

394

00:19:13,430 --> 00:19:11,840

my family could stand up family and

395

00:19:16,150 --> 00:19:13,440

friends actually two

396

00:19:19,510 --> 00:19:16,160

two are on the staff that go on flow

397

00:19:22,870 --> 00:19:19,520

you stand up a minute here

398

00:19:22,880 --> 00:19:27,270

all right

399

00:19:31,510 --> 00:19:29,590

yeah i see the twins did uh did play

400

00:19:33,990 --> 00:19:31,520

hooky today i hope you got all right

401
00:19:37,029 --> 00:19:34,000
shouldn't excuse absence

402
00:19:38,630 --> 00:19:37,039
and i see uh hope there has a the next

403
00:19:42,549 --> 00:19:38,640
generation a great

404
00:19:47,270 --> 00:19:45,270
uh another other thing i noted uh and

405
00:19:50,549 --> 00:19:47,280
these awards incidentally uh i think

406
00:19:53,430 --> 00:19:50,559
they started in early 2005

407
00:19:54,789 --> 00:19:53,440
and i noted that most were given to

408
00:19:57,669 --> 00:19:54,799
universities

409
00:20:00,710 --> 00:19:57,679
or major museums

410
00:20:03,590 --> 00:20:00,720
and i really uh i visited a few museums

411
00:20:05,190 --> 00:20:03,600
and uh and and sought those out

412
00:20:07,990 --> 00:20:05,200
and i thought rather than

413
00:20:09,909 --> 00:20:08,000

just be another artifact among many that

414

00:20:11,750 --> 00:20:09,919

is the case in these particular

415

00:20:13,750 --> 00:20:11,760

institutions

416

00:20:15,510 --> 00:20:13,760

i place it here at garnflow in the

417

00:20:17,669 --> 00:20:15,520

imagination station

418

00:20:19,750 --> 00:20:17,679

which did already exist here and it's a

419

00:20:22,470 --> 00:20:19,760

place for special programming

420

00:20:25,830 --> 00:20:22,480

and this rock could become a centerpiece

421

00:20:28,870 --> 00:20:25,840

in supporting the education of you here

422

00:20:31,190 --> 00:20:28,880

in the audience today and those beyond

423

00:20:33,590 --> 00:20:31,200

this station also has live video

424

00:20:35,909 --> 00:20:33,600

capability throughout the school

425

00:20:39,270 --> 00:20:35,919

and it also has a feature a school

426
00:20:40,870 --> 00:20:39,280
system already headed that allows a live

427
00:20:42,390 --> 00:20:40,880
media tie

428
00:20:44,789 --> 00:20:42,400
to stennis

429
00:20:46,470 --> 00:20:44,799
and again science teachers that want

430
00:20:48,789 --> 00:20:46,480
special program can arrange special

431
00:20:50,870 --> 00:20:48,799
program can take advantage of that

432
00:20:52,230 --> 00:20:50,880
and uh superintendent tisdale told me

433
00:20:54,070 --> 00:20:52,240
that

434
00:20:56,070 --> 00:20:54,080
the program is by science teacher uh

435
00:20:58,549 --> 00:20:56,080
could actually bring a class in bust

436
00:21:02,149 --> 00:20:58,559
them in and hold a program here at gorn

437
00:21:04,789 --> 00:21:02,159
flow for those at even higher levels

438
00:21:07,029 --> 00:21:04,799

and of course the the hope uh with with

439

00:21:09,350 --> 00:21:07,039

all of this is to encourage

440

00:21:10,310 --> 00:21:09,360

and provide that spark uh for young

441

00:21:12,710 --> 00:21:10,320

children

442

00:21:15,190 --> 00:21:12,720

uh to use their talents and to use their

443

00:21:16,950 --> 00:21:15,200

talents obviously to the best we all all

444

00:21:19,590 --> 00:21:16,960

have talent that's somewhat different

445

00:21:21,510 --> 00:21:19,600

but those that are good

446

00:21:23,270 --> 00:21:21,520

in saying math i have a granddaughter

447

00:21:23,990 --> 00:21:23,280

that there's great difficulty with math

448

00:21:25,510 --> 00:21:24,000

so

449

00:21:27,830 --> 00:21:25,520

i don't think i'd encourage her to be a

450

00:21:29,350 --> 00:21:27,840

rocket scientist but nevertheless we all

451
00:21:30,950 --> 00:21:29,360
have talent we need to figure out how to

452
00:21:32,149 --> 00:21:30,960
use it but those that have it i hope

453
00:21:34,870 --> 00:21:32,159
we'll become

454
00:21:37,350 --> 00:21:34,880
and steered in the direction of science

455
00:21:38,710 --> 00:21:37,360
and engineering because this country is

456
00:21:41,830 --> 00:21:38,720
behind in that

457
00:21:44,710 --> 00:21:41,840
arena and we need your help

458
00:21:47,190 --> 00:21:44,720
i want to thank all of you again today

459
00:21:49,029 --> 00:21:47,200
who who have come for this special event

460
00:21:49,830 --> 00:21:49,039
made it a great day

461
00:21:51,909 --> 00:21:49,840
uh

462
00:21:53,669 --> 00:21:51,919
and special thanks some of my group i've

463
00:21:55,990 --> 00:21:53,679

been working with four years

464

00:21:58,470 --> 00:21:56,000

on the infiniti science center project

465

00:22:00,549 --> 00:21:58,480

it's a partnership with stannis

466

00:22:02,070 --> 00:22:00,559

also a great education it'll be a great

467

00:22:04,070 --> 00:22:02,080

education event

468

00:22:05,110 --> 00:22:04,080

for many of you it'll go on on field

469

00:22:07,990 --> 00:22:05,120

trips

470

00:22:09,750 --> 00:22:08,000

in fact all total within the louisiana

471

00:22:12,549 --> 00:22:09,760

mississippi arena

472

00:22:13,350 --> 00:22:12,559

we hope we'll get about 250 000 uh

473

00:22:16,710 --> 00:22:13,360

school

474

00:22:19,110 --> 00:22:16,720

students on k-12 field trips uh to that

475

00:22:21,270 --> 00:22:19,120

facility when it's open

476

00:22:23,590 --> 00:22:21,280

i also give special thanks

477

00:22:25,909 --> 00:22:23,600

to the beau rivage for their support to

478

00:22:27,510 --> 00:22:25,919

this event

479

00:22:29,669 --> 00:22:27,520

i hope some of you will also get a

480

00:22:30,630 --> 00:22:29,679

chance to go through the exploration

481

00:22:32,870 --> 00:22:30,640

center

482

00:22:35,190 --> 00:22:32,880

and uh and look things over it has a lot

483

00:22:36,870 --> 00:22:35,200

of old bloxy some old bloxy features in

484

00:22:38,870 --> 00:22:36,880

there as well

485

00:22:41,590 --> 00:22:38,880

and one of my

486

00:22:43,750 --> 00:22:41,600

training suits is on exhibit there

487

00:22:46,310 --> 00:22:43,760

that will stay that i i have to do a

488

00:22:47,990 --> 00:22:46,320

little homework to relearn some of the

489

00:22:51,590 --> 00:22:48,000

things and i'll come back and give a

490

00:22:53,510 --> 00:22:51,600

lecture on on the suit one of these days

491

00:22:55,750 --> 00:22:53,520

i know each of you children here as i

492

00:22:58,310 --> 00:22:55,760

said are blessed with talent and i i

493

00:22:59,990 --> 00:22:58,320

hope you will work hard and take that to

494

00:23:02,470 --> 00:23:00,000

great advantage to

495

00:23:04,870 --> 00:23:02,480

enjoy really a productive and exciting

496

00:23:07,110 --> 00:23:04,880

life ahead

497

00:23:09,990 --> 00:23:07,120

i would like to invite

498

00:23:12,710 --> 00:23:10,000

superintendent paul testale up now

499

00:23:14,950 --> 00:23:12,720

to take receipt except

500

00:23:29,430 --> 00:23:14,960

the linda rock on behalf of the biloxi

501
00:23:34,789 --> 00:23:32,149
nasa director bolden

502
00:23:36,789 --> 00:23:34,799
stennis director goldman that's not easy

503
00:23:39,669 --> 00:23:36,799
to say two in a row

504
00:23:42,950 --> 00:23:39,679
astronaut hayes mayor holloway

505
00:23:45,269 --> 00:23:42,960
guests and boys and girls

506
00:23:47,430 --> 00:23:45,279
thank you for making garnflow elementary

507
00:23:49,990 --> 00:23:47,440
school a part of your day today in

508
00:23:53,510 --> 00:23:50,000
biloxi mississippi

509
00:23:55,510 --> 00:23:53,520
space program began as someone's dream

510
00:23:57,590 --> 00:23:55,520
astronaut training

511
00:23:59,990 --> 00:23:57,600
was someone's dream

512
00:24:02,630 --> 00:24:00,000
today we have proof

513
00:24:06,070 --> 00:24:02,640

that dreams come true

514

00:24:08,710 --> 00:24:06,080

education makes things possible

515

00:24:10,950 --> 00:24:08,720

they help make dreams come true but

516

00:24:12,549 --> 00:24:10,960

dreams take time

517

00:24:16,710 --> 00:24:12,559

to come true

518

00:24:18,630 --> 00:24:16,720

and i want you to think about your dream

519

00:24:20,310 --> 00:24:18,640

many days will come and go as you work

520

00:24:25,190 --> 00:24:20,320

on your dream

521

00:24:28,710 --> 00:24:25,200

and you must do your very best every day

522

00:24:31,269 --> 00:24:28,720

and you should hang on to your dream

523

00:24:34,070 --> 00:24:31,279

every time you see the moon rock

524

00:24:35,990 --> 00:24:34,080

here at garnflow elementary school

525

00:24:37,750 --> 00:24:36,000

think about your dream whatever that

526
00:24:40,470 --> 00:24:37,760
dream is

527
00:24:42,230 --> 00:24:40,480
remind yourself to work hard

528
00:24:45,590 --> 00:24:42,240
every day at school

529
00:24:48,310 --> 00:24:45,600
to make your dream come true

530
00:24:50,549 --> 00:24:48,320
and you must work hard because it's your

531
00:24:53,110 --> 00:24:50,559
dream

532
00:24:55,750 --> 00:24:53,120
thank you mr hayes and mr bolden for

533
00:24:58,789 --> 00:24:55,760
your service to your country

534
00:25:00,390 --> 00:24:58,799
our country and to nasa

535
00:25:08,710 --> 00:25:00,400
thank you fred for remembering

536
00:25:13,590 --> 00:25:11,590
thank you for bringing a piece of space

537
00:25:16,470 --> 00:25:13,600
to our space

538
00:25:17,590 --> 00:25:16,480

and thank you for proving that dreams

539

00:25:29,430 --> 00:25:17,600

come true

540

00:25:33,510 --> 00:25:31,269

we would like to welcome all of our

541

00:25:36,149 --> 00:25:33,520

guests today to a reception held in

542

00:25:38,950 --> 00:25:36,159

honor of mr hayes after after the

543

00:25:41,669 --> 00:25:38,960

program today and our very special fifth

544

00:25:44,630 --> 00:25:41,679

grade guest as well but before we leave

545

00:25:47,909 --> 00:25:46,070

we haven't

546

00:25:49,909 --> 00:25:47,919

excuse me

547

00:25:51,590 --> 00:25:49,919

we have another very special guest i

548

00:26:01,590 --> 00:25:51,600

need you to please help me welcome my

549

00:26:37,190 --> 00:26:02,470

i

550

00:26:37,200 --> 00:27:05,350

well

551

00:27:18,830 --> 00:27:07,110

boys and girls let's give him a gorm

552

00:27:23,029 --> 00:27:21,430

welcome he's going to stay here with us

553

00:27:25,350 --> 00:27:23,039

okay he's going to stay here with us

554

00:27:28,389 --> 00:27:25,360

that concludes our program teachers i

555

00:27:31,190 --> 00:27:28,399

need you in an orderly fashion please to

556

00:27:33,830 --> 00:27:31,200

bring your students to the pot area and

557

00:27:35,909 --> 00:27:33,840

the astronauts going to visit in the pod