



1
00:00:35,830 --> 00:00:33,030
ladies and gentlemen to introduce the

2
00:00:47,190 --> 00:00:35,840
president please welcome miss barbara

3
00:00:50,150 --> 00:00:49,190
i can't contemplate my career as a

4
00:00:52,389 --> 00:00:50,160
teacher

5
00:00:53,670 --> 00:00:52,399
without reflecting on my dad's years in

6
00:00:55,830 --> 00:00:53,680
school

7
00:00:57,189 --> 00:00:55,840
although naturally i wasn't born when he

8
00:00:59,670 --> 00:00:57,199
was a student

9
00:01:00,950 --> 00:00:59,680
his marginal education helped form my

10
00:01:02,790 --> 00:01:00,960
teaching

11
00:01:05,590 --> 00:01:02,800
he was from a poor farm family and

12
00:01:07,270 --> 00:01:05,600
although his parents loved him very much

13
00:01:09,429 --> 00:01:07,280

sometimes they worried more about how

14

00:01:11,030 --> 00:01:09,439

they were going to clothe and feed him

15

00:01:12,550 --> 00:01:11,040

than they did about how well he could

16

00:01:15,429 --> 00:01:12,560

read or write

17

00:01:17,910 --> 00:01:15,439

his educators expectations were low and

18

00:01:20,789 --> 00:01:17,920

he met that standard

19

00:01:24,310 --> 00:01:20,799

when the energy crisis hit in the 70s my

20

00:01:26,070 --> 00:01:24,320

dad tackled it like a math problem

21

00:01:27,109 --> 00:01:26,080

but instead of picking up a paper and

22

00:01:29,429 --> 00:01:27,119

pencil

23

00:01:32,870 --> 00:01:29,439

he talked his way through it he thought

24

00:01:35,190 --> 00:01:32,880

outside the box he modeled his thinking

25

00:01:37,749 --> 00:01:35,200

he built an electric car out of used

26
00:01:39,749 --> 00:01:37,759
volkswagen parts and powered our house

27
00:01:41,190 --> 00:01:39,759
with a wind generator he built from

28
00:01:42,950 --> 00:01:41,200
scratch

29
00:01:44,389 --> 00:01:42,960
he was able to do those things in spite

30
00:01:46,149 --> 00:01:44,399
of the fact that he hadn't learned how

31
00:01:47,510 --> 00:01:46,159
in school

32
00:01:49,429 --> 00:01:47,520
in some ways

33
00:01:50,789 --> 00:01:49,439
the disconnect between what my dad

34
00:01:52,789 --> 00:01:50,799
needed at home

35
00:01:55,670 --> 00:01:52,799
and the skill set he was asked to learn

36
00:01:57,190 --> 00:01:55,680
at school lives on in classrooms across

37
00:01:59,670 --> 00:01:57,200
america

38
00:02:02,310 --> 00:01:59,680

as teachers in the 21st century we're

39

00:02:04,469 --> 00:02:02,320

experiencing a paradigm shift as we

40

00:02:05,590 --> 00:02:04,479

consider whether what we teach is still

41

00:02:08,469 --> 00:02:05,600

relevant

42

00:02:10,469 --> 00:02:08,479

and if how we're teaching it is engaging

43

00:02:13,110 --> 00:02:10,479

our focus is shifting to bringing out

44

00:02:15,910 --> 00:02:13,120

the true learner in our students because

45

00:02:17,030 --> 00:02:15,920

within their lifetimes their ability to

46

00:02:19,910 --> 00:02:17,040

learn

47

00:02:22,150 --> 00:02:19,920

will surpass their need to know

48

00:02:23,350 --> 00:02:22,160

although many aspects of our profession

49

00:02:25,190 --> 00:02:23,360

are changing

50

00:02:28,150 --> 00:02:25,200

many remain the same

51
00:02:30,150 --> 00:02:28,160
we still wear many hats each day

52
00:02:32,309 --> 00:02:30,160
coach finder of lost articles

53
00:02:33,670 --> 00:02:32,319
psychologist substitute parents sales

54
00:02:35,509 --> 00:02:33,680
professional

55
00:02:37,509 --> 00:02:35,519
and keeper of the faith

56
00:02:38,869 --> 00:02:37,519
we're the most fortunate of all who

57
00:02:41,030 --> 00:02:38,879
labor

58
00:02:42,630 --> 00:02:41,040
each day parents entrust us with their

59
00:02:44,390 --> 00:02:42,640
greatest gift

60
00:02:45,750 --> 00:02:44,400
their children

61
00:02:48,949 --> 00:02:45,760
as teachers

62
00:02:51,990 --> 00:02:48,959
we have a past that is rich in memory

63
00:02:53,830 --> 00:02:52,000

a present that is rewarding adventurous

64

00:02:55,430 --> 00:02:53,840

fun and challenging

65

00:02:57,030 --> 00:02:55,440

because we spend our days with the

66

00:02:58,470 --> 00:02:57,040

future

67

00:03:00,949 --> 00:02:58,480

and now

68

00:03:03,350 --> 00:03:00,959

it is with great honor that i introduce

69

00:03:05,350 --> 00:03:03,360

to you a man whose lessons extend far

70

00:03:07,430 --> 00:03:05,360

beyond the classroom walls

71

00:03:09,670 --> 00:03:07,440

who is writing history

72

00:03:11,110 --> 00:03:09,680

modeling a present that is challenging

73

00:03:13,990 --> 00:03:11,120

and adventurous

74

00:03:16,390 --> 00:03:14,000

but hopefully a little rewarding and fun

75

00:03:17,589 --> 00:03:16,400

who is helping to shape the future for

76

00:03:31,990 --> 00:03:17,599

all of us

77

00:03:43,589 --> 00:03:33,110

thank you

78

00:03:46,070 --> 00:03:43,599

outstanding introduction

79

00:03:47,670 --> 00:03:46,080

uh i want to acknowledge a few other

80

00:03:50,710 --> 00:03:47,680

special guests that we have here first

81

00:03:53,750 --> 00:03:50,720

of all uh my uh

82

00:03:57,910 --> 00:03:53,760

terrific vice president mainly because

83

00:04:00,070 --> 00:03:57,920

he takes orders from dr jill biden uh dr

84

00:04:06,869 --> 00:04:00,080

jill biden and vice president joe biden

85

00:04:10,470 --> 00:04:08,789

somebody who i've never met somebody

86

00:04:11,270 --> 00:04:10,480

who's more passionate about making sure

87

00:04:13,509 --> 00:04:11,280

that

88

00:04:16,229 --> 00:04:13,519

young people do well than my secretary

89

00:04:23,189 --> 00:04:16,239

of education arne duncan

90

00:04:27,430 --> 00:04:25,430

my uh

91

00:04:29,670 --> 00:04:27,440

before i won a nobel peace prize this

92

00:04:32,310 --> 00:04:29,680

guy had wanted and nobody

93

00:04:42,150 --> 00:04:32,320

questioned whether he deserved it or not

94

00:04:47,670 --> 00:04:42,870

uh

95

00:04:49,749 --> 00:04:47,680

who have devoted a lot of energy to

96

00:04:51,189 --> 00:04:49,759

the issue of science and math education

97

00:04:52,790 --> 00:04:51,199

i want to acknowledge them uh

98

00:04:54,710 --> 00:04:52,800

representative bart gordon who's the

99

00:04:56,550 --> 00:04:54,720

chairman of the science and technology

100

00:04:58,070 --> 00:04:56,560

committee democrat from tennessee

101
00:04:59,990 --> 00:04:58,080
where's bart

102
00:05:03,270 --> 00:05:00,000
there he is

103
00:05:06,950 --> 00:05:05,029
representative william lacey clay from

104
00:05:08,790 --> 00:05:06,960
the great state of missouri and his

105
00:05:10,230 --> 00:05:08,800
district is home to two teachers who are

106
00:05:16,710 --> 00:05:10,240
being honored here today so he's very

107
00:05:19,830 --> 00:05:18,469
and a great champion of education

108
00:05:21,510 --> 00:05:19,840
generally he's the chairman of the

109
00:05:22,950 --> 00:05:21,520
education and labor committee

110
00:05:29,830 --> 00:05:22,960
representative george miller of

111
00:05:33,909 --> 00:05:31,510
we also

112
00:05:36,950 --> 00:05:33,919
since so many people were inspired

113
00:05:39,270 --> 00:05:36,960

in this country originally from

114

00:05:41,270 --> 00:05:39,280

our space program to to think about math

115

00:05:42,070 --> 00:05:41,280

and science in new ways it's terrific to

116

00:05:44,150 --> 00:05:42,080

have

117

00:05:52,310 --> 00:05:44,160

our nasa administrator and former

118

00:05:56,710 --> 00:05:54,629

we've got uh regina dugan who is the

119

00:05:59,749 --> 00:05:56,720

director of the defense advanced

120

00:06:00,950 --> 00:05:59,759

research projects agency or darpa as uh

121

00:06:02,629 --> 00:06:00,960

many of you know

122

00:06:04,550 --> 00:06:02,639

uh we can thank them for the internet

123

00:06:11,350 --> 00:06:04,560

and all kinds of other stuff so please

124

00:06:17,909 --> 00:06:14,150

and uh our national science foundation

125

00:06:19,110 --> 00:06:17,919

director uh director uh arden bement is

126
00:06:24,390 --> 00:06:19,120
here

127
00:06:27,590 --> 00:06:26,070
now most importantly

128
00:06:29,430 --> 00:06:27,600
to all the teachers

129
00:06:31,430 --> 00:06:29,440
uh who are here

130
00:06:33,590 --> 00:06:31,440
as president

131
00:06:36,629 --> 00:06:33,600
uh i am just thrilled

132
00:06:39,270 --> 00:06:36,639
to to welcome you uh teachers and

133
00:06:41,749 --> 00:06:39,280
mentors to the white house because i

134
00:06:42,469 --> 00:06:41,759
believe so strongly in the work that you

135
00:06:44,390 --> 00:06:42,479
do

136
00:06:46,150 --> 00:06:44,400
and as i mentioned to some of you

137
00:06:49,909 --> 00:06:46,160
because i've got two girls upstairs with

138
00:06:51,749 --> 00:06:49,919

math tests coming up i figure that uh a

139

00:06:53,749 --> 00:06:51,759

little extra help from the best of the

140

00:06:57,110 --> 00:06:53,759

best couldn't hurt so

141

00:07:02,070 --> 00:06:57,120

you're gonna have assignments after this

142

00:07:04,870 --> 00:07:03,189

uh

143

00:07:07,430 --> 00:07:04,880

we are we are here today to honor

144

00:07:09,029 --> 00:07:07,440

teachers and mentors like barb uh who

145

00:07:10,710 --> 00:07:09,039

are upholding

146

00:07:12,390 --> 00:07:10,720

their responsibility

147

00:07:14,309 --> 00:07:12,400

uh not just to

148

00:07:15,670 --> 00:07:14,319

the young people who they teach but to

149

00:07:17,350 --> 00:07:15,680

our country

150

00:07:19,749 --> 00:07:17,360

by inspiring and educating a new

151

00:07:21,589 --> 00:07:19,759

generation in math and science

152

00:07:24,950 --> 00:07:21,599

but we're also here because this

153

00:07:26,790 --> 00:07:24,960

responsibility can't be theirs alone

154

00:07:28,710 --> 00:07:26,800

all of us have a role to play in

155

00:07:30,710 --> 00:07:28,720

building an education system that is

156

00:07:32,710 --> 00:07:30,720

worthy of our children and ready to help

157

00:07:34,870 --> 00:07:32,720

us seize the opportunities and meet the

158

00:07:36,710 --> 00:07:34,880

challenges of the 21st century

159

00:07:39,029 --> 00:07:36,720

whether it's improving our health or

160

00:07:40,790 --> 00:07:39,039

harnessing clean energy protecting our

161

00:07:41,830 --> 00:07:40,800

security or succeeding in the global

162

00:07:43,990 --> 00:07:41,840

economy

163

00:07:45,430 --> 00:07:44,000

our future depends on reaffirming

164

00:07:47,589 --> 00:07:45,440

america's role

165

00:07:50,469 --> 00:07:47,599

as the world's engine of scientific

166

00:07:52,550 --> 00:07:50,479

discovery and technological innovation

167

00:07:55,830 --> 00:07:52,560

and that leadership tomorrow depends on

168

00:07:59,189 --> 00:07:55,840

how we educate our students today

169

00:08:02,309 --> 00:07:59,199

especially in math science

170

00:08:04,710 --> 00:08:02,319

technology and engineering

171

00:08:06,390 --> 00:08:04,720

but despite the importance of education

172

00:08:08,629 --> 00:08:06,400

in these subjects

173

00:08:11,110 --> 00:08:08,639

we have to admit we are right now being

174

00:08:13,589 --> 00:08:11,120

outpaced by our competitors

175

00:08:16,950 --> 00:08:13,599

one assessment shows american 15 year

176

00:08:19,029 --> 00:08:16,960

olds now ranked 21st in science

177

00:08:20,629 --> 00:08:19,039

and 25th in math

178

00:08:23,029 --> 00:08:20,639

when compared to their peers around the

179

00:08:25,270 --> 00:08:23,039

world think about that

180

00:08:27,350 --> 00:08:25,280

21st and 25th

181

00:08:29,350 --> 00:08:27,360

that's not acceptable

182

00:08:30,790 --> 00:08:29,360

and year after year the gap between the

183

00:08:32,709 --> 00:08:30,800

number of teachers we have and the

184

00:08:35,509 --> 00:08:32,719

number of teachers we need

185

00:08:37,750 --> 00:08:35,519

in these areas is widening

186

00:08:39,670 --> 00:08:37,760

the shortfall is projected to climb past

187

00:08:41,190 --> 00:08:39,680

a quarter of a million teachers in the

188

00:08:42,949 --> 00:08:41,200

next five years

189

00:08:46,710 --> 00:08:42,959

and that gap is most pronounced in

190

00:08:49,190 --> 00:08:46,720

predominantly poor and minority schools

191

00:08:51,509 --> 00:08:49,200

meanwhile other nations are stepping up

192

00:08:54,630 --> 00:08:51,519

a fact that was plain to see when i

193

00:08:56,710 --> 00:08:54,640

visited asia at the end of last year

194

00:08:58,870 --> 00:08:56,720

the president of south korea and i were

195

00:09:00,310 --> 00:08:58,880

having lunch and i asked him what's the

196

00:09:01,910 --> 00:09:00,320

biggest education

197

00:09:03,350 --> 00:09:01,920

challenge that you have he told me his

198

00:09:05,190 --> 00:09:03,360

biggest challenge

199

00:09:07,030 --> 00:09:05,200

in education wasn't budget holes it

200

00:09:09,110 --> 00:09:07,040

wasn't crumbling schools

201
00:09:11,590 --> 00:09:09,120
it was that the parents were too

202
00:09:14,150 --> 00:09:11,600
demanding

203
00:09:17,350 --> 00:09:14,160
he's had to import thousands of foreign

204
00:09:19,269 --> 00:09:17,360
teachers because parents insisted

205
00:09:21,430 --> 00:09:19,279
on english language training in

206
00:09:24,070 --> 00:09:21,440
elementary school

207
00:09:26,070 --> 00:09:24,080
the mayor of shanghai china a city of

208
00:09:28,550 --> 00:09:26,080
over 20 million people

209
00:09:31,590 --> 00:09:28,560
told me that even in such a large city

210
00:09:33,590 --> 00:09:31,600
they had no problem recruiting teachers

211
00:09:35,350 --> 00:09:33,600
in whatever subject but particularly

212
00:09:36,470 --> 00:09:35,360
math and science because teaching is

213
00:09:38,949 --> 00:09:36,480

reversed

214

00:09:42,389 --> 00:09:38,959

and the pay scales are comparable to

215

00:09:46,230 --> 00:09:44,710

so make no mistake our our future is on

216

00:09:48,630 --> 00:09:46,240

the line

217

00:09:51,110 --> 00:09:48,640

the nation that out educates us today is

218

00:09:53,190 --> 00:09:51,120

going to outcompete us tomorrow

219

00:09:55,030 --> 00:09:53,200

and to continue to cede our leadership

220

00:09:56,949 --> 00:09:55,040

in education is to cede our position in

221

00:09:59,030 --> 00:09:56,959

the world that's not acceptable to me

222

00:10:01,190 --> 00:09:59,040

and i know it's not acceptable to any of

223

00:10:02,069 --> 00:10:01,200

you and that's why my administration has

224

00:10:04,870 --> 00:10:02,079

set

225

00:10:07,030 --> 00:10:04,880

a clear goal to move from the middle to

226

00:10:09,829 --> 00:10:07,040

the top of the pack in science and math

227

00:10:12,870 --> 00:10:09,839

education over the next decade

228

00:10:14,870 --> 00:10:12,880

to reach this goal we've paid particular

229

00:10:16,310 --> 00:10:14,880

attention to how we can better prepare

230

00:10:19,910 --> 00:10:16,320

and support

231

00:10:22,069 --> 00:10:19,920

reward and retain good teachers

232

00:10:23,509 --> 00:10:22,079

so the recovery act included the largest

233

00:10:25,190 --> 00:10:23,519

investment

234

00:10:27,670 --> 00:10:25,200

in education

235

00:10:30,069 --> 00:10:27,680

by the federal government in history

236

00:10:31,590 --> 00:10:30,079

while preventing more than 300 000

237

00:10:34,230 --> 00:10:31,600

teachers and school workers from being

238

00:10:35,750 --> 00:10:34,240

fired because of state budget shortfalls

239

00:10:37,750 --> 00:10:35,760

the department of education will be

240

00:10:39,670 --> 00:10:37,760

announcing an additional 10 million

241

00:10:41,990 --> 00:10:39,680

dollars in grants for innovative

242

00:10:43,990 --> 00:10:42,000

programs to train new teachers whether a

243

00:10:46,710 --> 00:10:44,000

young person embarking on his or her

244

00:10:49,350 --> 00:10:46,720

first career or a scientist or engineer

245

00:10:51,110 --> 00:10:49,360

starting his or her second

246

00:10:53,509 --> 00:10:51,120

and under the outstanding leadership of

247

00:10:56,230 --> 00:10:53,519

arne duncan we've launched a four

248

00:10:57,670 --> 00:10:56,240

billion dollar race to the top fund

249

00:11:00,230 --> 00:10:57,680

one of the largest investments in

250

00:11:02,310 --> 00:11:00,240

education reform in history through the

251
00:11:04,150 --> 00:11:02,320
race to the top states are competing for

252
00:11:07,030 --> 00:11:04,160
funding and producing the most

253
00:11:08,870 --> 00:11:07,040
innovative programs in science and math

254
00:11:11,110 --> 00:11:08,880
will be an advantage

255
00:11:12,870 --> 00:11:11,120
in this competition

256
00:11:15,030 --> 00:11:12,880
as will

257
00:11:17,269 --> 00:11:15,040
allowing scientists and statisticians

258
00:11:19,269 --> 00:11:17,279
and engineers to more easily become

259
00:11:21,430 --> 00:11:19,279
teachers we want

260
00:11:23,750 --> 00:11:21,440
states and school districts to start

261
00:11:26,710 --> 00:11:23,760
being more creative about how they can

262
00:11:28,470 --> 00:11:26,720
attract more science and math teachers

263
00:11:30,470 --> 00:11:28,480

we're also pursuing reforms to better

264

00:11:31,910 --> 00:11:30,480

serve america's math and science

265

00:11:34,150 --> 00:11:31,920

teachers so that

266

00:11:36,389 --> 00:11:34,160

each and every one can be as effective

267

00:11:37,910 --> 00:11:36,399

as the educators that we honor today so

268

00:11:39,030 --> 00:11:37,920

we're challenging states to raise

269

00:11:42,150 --> 00:11:39,040

standards

270

00:11:44,150 --> 00:11:42,160

to use data to better inform decisions

271

00:11:46,470 --> 00:11:44,160

to recruit and retain more good teachers

272

00:11:48,630 --> 00:11:46,480

and to promote stronger curricula that

273

00:11:51,030 --> 00:11:48,640

encourage young people to not only learn

274

00:11:53,350 --> 00:11:51,040

the facts in a textbook but to explore

275

00:11:56,310 --> 00:11:53,360

and discover the world around them

276

00:11:58,230 --> 00:11:56,320

now as important as this will be the

277

00:12:00,150 --> 00:11:58,240

success we seek is not going to be

278

00:12:01,430 --> 00:12:00,160

attained by government alone

279

00:12:03,590 --> 00:12:01,440

and that's why i've challenged the

280

00:12:05,269 --> 00:12:03,600

scientific community to think of new and

281

00:12:06,790 --> 00:12:05,279

creative ways to engage young people in

282

00:12:09,030 --> 00:12:06,800

their fields

283

00:12:11,670 --> 00:12:09,040

that's why we launched the educate to

284

00:12:14,790 --> 00:12:11,680

innovate campaign a nationwide effort

285

00:12:16,870 --> 00:12:14,800

by citizens non-for-profits universities

286

00:12:18,470 --> 00:12:16,880

and companies from across america to

287

00:12:20,550 --> 00:12:18,480

help us move to the top of the pack in

288

00:12:24,069 --> 00:12:20,560

math and science and education

289

00:12:26,230 --> 00:12:24,079

and today we're expanding this campaign

290

00:12:28,389 --> 00:12:26,240

several new public-private partnerships

291

00:12:31,190 --> 00:12:28,399

are going to offer additional training

292

00:12:34,550 --> 00:12:31,200

to more than 100 000 teachers

293

00:12:36,470 --> 00:12:34,560

and prepare more than one 10 000

294

00:12:37,990 --> 00:12:36,480

new teachers in the next five years

295

00:12:39,350 --> 00:12:38,000

alone

296

00:12:41,509 --> 00:12:39,360

and through the partnerships we are

297

00:12:43,990 --> 00:12:41,519

announcing today support for the educate

298

00:12:46,629 --> 00:12:44,000

to innovate campaign has doubled to more

299

00:12:47,590 --> 00:12:46,639

than half a billion dollars in private

300

00:12:50,829 --> 00:12:47,600

funding

301

00:12:53,190 --> 00:12:50,839

that's a figure that we only expect to

302

00:12:55,350 --> 00:12:53,200

grow to help educators already in the

303

00:12:57,829 --> 00:12:55,360

classroom intel

304

00:12:59,990 --> 00:12:57,839

is launching a 10-year 200 million

305

00:13:03,190 --> 00:13:00,000

campaign to train math and science

306

00:13:04,949 --> 00:13:03,200

teachers in all 50 states to better use

307

00:13:06,629 --> 00:13:04,959

new technologies and techniques in their

308

00:13:08,949 --> 00:13:06,639

lessons plans

309

00:13:10,150 --> 00:13:08,959

pbs and the national science teachers

310

00:13:12,470 --> 00:13:10,160

association

311

00:13:14,230 --> 00:13:12,480

will also create a new online platform

312

00:13:16,230 --> 00:13:14,240

so science and math teachers can share

313

00:13:17,590 --> 00:13:16,240

best practices and learn from one

314

00:13:19,190 --> 00:13:17,600

another

315

00:13:21,350 --> 00:13:19,200

to bring more educators into the

316

00:13:23,590 --> 00:13:21,360

classroom the national math and science

317

00:13:26,230 --> 00:13:23,600

initiative is working with texas

318

00:13:28,870 --> 00:13:26,240

instruments and the dell foundation to

319

00:13:30,949 --> 00:13:28,880

prepare almost 5 000 new math and

320

00:13:32,389 --> 00:13:30,959

science teachers in the next five years

321

00:13:34,790 --> 00:13:32,399

through a program that allows young

322

00:13:37,269 --> 00:13:34,800

people to earn teaching certificates and

323

00:13:39,990 --> 00:13:37,279

science degrees at the same time

324

00:13:41,910 --> 00:13:40,000

and presidents from more than 75 of the

325

00:13:43,750 --> 00:13:41,920

largest public universities in the

326

00:13:45,430 --> 00:13:43,760

country have committed to produce

327

00:13:47,990 --> 00:13:45,440

thousands of additional science and math

328

00:13:49,590 --> 00:13:48,000

teachers at their institutions

329

00:13:51,750 --> 00:13:49,600

and the woodrow wilson national

330

00:13:53,110 --> 00:13:51,760

fellowship foundation is expanding is

331

00:13:55,350 --> 00:13:53,120

expanding with the help of several

332

00:13:57,189 --> 00:13:55,360

states and non-profits to place more

333

00:13:59,030 --> 00:13:57,199

math and science teachers in more

334

00:14:00,389 --> 00:13:59,040

high-need schools

335

00:14:01,910 --> 00:14:00,399

and just because you aren't a teacher

336

00:14:03,350 --> 00:14:01,920

that doesn't mean you can't help educate

337

00:14:05,269 --> 00:14:03,360

our young people

338

00:14:07,670 --> 00:14:05,279

we need to look no further than the

339

00:14:10,870 --> 00:14:07,680

mentors that we honor here today

340

00:14:12,470 --> 00:14:10,880

i'm calling on all 200 000 scientists

341

00:14:14,470 --> 00:14:12,480

who work for the federal government to

342

00:14:16,949 --> 00:14:14,480

do their part in their communities

343

00:14:18,710 --> 00:14:16,959

to speak at schools to create hand-on

344

00:14:20,949 --> 00:14:18,720

opportu learning opportunities through

345

00:14:22,949 --> 00:14:20,959

efforts like national lab day and to

346

00:14:24,949 --> 00:14:22,959

help stoke that same curiosity in

347

00:14:27,189 --> 00:14:24,959

students which perhaps led them to

348

00:14:28,150 --> 00:14:27,199

pursue a career in science in the first

349

00:14:30,069 --> 00:14:28,160

place

350

00:14:31,990 --> 00:14:30,079

nasa will also be launching an

351
00:14:33,910 --> 00:14:32,000
enrichment program to bring their

352
00:14:35,990 --> 00:14:33,920
scientists and engineers to students in

353
00:14:38,069 --> 00:14:36,000
the classroom and to bring students to

354
00:14:40,389 --> 00:14:38,079
nasa so that they might experience that

355
00:14:41,910 --> 00:14:40,399
same sense of wonder and excitement

356
00:14:43,509 --> 00:14:41,920
while maybe learning a little bit at the

357
00:14:44,870 --> 00:14:43,519
same time

358
00:14:47,030 --> 00:14:44,880
and finally as president i'm going to

359
00:14:48,949 --> 00:14:47,040
try to do my part

360
00:14:50,389 --> 00:14:48,959
we've held science-themed events like

361
00:14:51,829 --> 00:14:50,399
astronomy night

362
00:14:54,949 --> 00:14:51,839
here at the white house

363
00:14:57,350 --> 00:14:54,959

that was very fun by the way

364

00:14:59,110 --> 00:14:57,360

we're planning an annual science fair to

365

00:15:01,430 --> 00:14:59,120

honor the student winners of national

366

00:15:03,670 --> 00:15:01,440

science and technology competitions

367

00:15:05,829 --> 00:15:03,680

secretary duncan and i will be working

368

00:15:07,350 --> 00:15:05,839

to promote the teaching profession to

369

00:15:08,550 --> 00:15:07,360

show young people that teaching is one

370

00:15:11,509 --> 00:15:08,560

of the best and

371

00:15:13,750 --> 00:15:11,519

most rewarding ways to serve our country

372

00:15:15,110 --> 00:15:13,760

and we are of course recognizing the

373

00:15:16,870 --> 00:15:15,120

folks in this room

374

00:15:18,230 --> 00:15:16,880

with awards for excellence in teaching

375

00:15:20,389 --> 00:15:18,240

and mentoring

376

00:15:22,069 --> 00:15:20,399

it's with these men and women that i'd

377

00:15:24,150 --> 00:15:22,079

like to conclude today

378

00:15:26,389 --> 00:15:24,160

because in the end

379

00:15:27,509 --> 00:15:26,399

the work that you do and the difference

380

00:15:31,110 --> 00:15:27,519

you make

381

00:15:32,389 --> 00:15:31,120

are what all these reforms are all about

382

00:15:34,790 --> 00:15:32,399

whether it's showing students how to

383

00:15:36,870 --> 00:15:34,800

record the habits of a resident reptile

384

00:15:39,189 --> 00:15:36,880

or teaching kids to

385

00:15:40,550 --> 00:15:39,199

test soil samples on a class trip to

386

00:15:42,069 --> 00:15:40,560

costa rica

387

00:15:43,590 --> 00:15:42,079

whether it's helping young people from

388

00:15:44,670 --> 00:15:43,600

tough neighborhoods in chicago to become

389

00:15:47,829 --> 00:15:44,680

junior

390

00:15:49,189 --> 00:15:47,839

paleontologists or creating a mentoring

391

00:15:51,110 --> 00:15:49,199

program that connects engineering

392

00:15:52,550 --> 00:15:51,120

students with girls and minorities who

393

00:15:55,269 --> 00:15:52,560

are traditionally underserved in the

394

00:15:57,350 --> 00:15:55,279

field all of you are demonstrating why

395

00:15:59,590 --> 00:15:57,360

teaching and mentoring is so important

396

00:16:00,949 --> 00:15:59,600

and why we have to support you

397

00:16:03,670 --> 00:16:00,959

equip you

398

00:16:05,430 --> 00:16:03,680

and send in some reinforcements for you

399

00:16:07,749 --> 00:16:05,440

every person in this room remembers a

400

00:16:09,189 --> 00:16:07,759

teacher or mentor that made a difference

401
00:16:10,790 --> 00:16:09,199
in their lives

402
00:16:12,870 --> 00:16:10,800
every person in this room remembers a

403
00:16:14,710 --> 00:16:12,880
moment in which an educator showed them

404
00:16:16,150 --> 00:16:14,720
something about the world or something

405
00:16:17,189 --> 00:16:16,160
about themselves that changed their

406
00:16:19,189 --> 00:16:17,199
lives

407
00:16:20,550 --> 00:16:19,199
it could be a word of encouragement a

408
00:16:22,470 --> 00:16:20,560
helping hand

409
00:16:24,230 --> 00:16:22,480
a lesson that sparked a question that

410
00:16:26,150 --> 00:16:24,240
ignited a passion

411
00:16:27,430 --> 00:16:26,160
and ultimately may have propelled a

412
00:16:29,030 --> 00:16:27,440
career

413
00:16:30,470 --> 00:16:29,040

and innovators

414

00:16:31,670 --> 00:16:30,480

folks like michael dell who are here

415

00:16:34,230 --> 00:16:31,680

today

416

00:16:35,829 --> 00:16:34,240

are made in those moments

417

00:16:37,670 --> 00:16:35,839

scientists and engineers are made in

418

00:16:39,829 --> 00:16:37,680

those moments doctors are made in those

419

00:16:42,150 --> 00:16:39,839

moments teachers are made in those

420

00:16:43,990 --> 00:16:42,160

moments those small interactions

421

00:16:46,069 --> 00:16:44,000

so yes improving our schools is about

422

00:16:48,310 --> 00:16:46,079

training a new generation of workers and

423

00:16:49,509 --> 00:16:48,320

succeeding in new industries but a good

424

00:16:51,430 --> 00:16:49,519

education

425

00:16:54,230 --> 00:16:51,440

provided with the help of great teachers

426
00:16:56,069 --> 00:16:54,240
and mentors is about something more

427
00:16:57,990 --> 00:16:56,079
it's about instilling in a young person

428
00:17:00,150 --> 00:16:58,000
a love of learning and a sense of

429
00:17:02,069 --> 00:17:00,160
possibility in their own lives

430
00:17:03,910 --> 00:17:02,079
an understanding of the world around

431
00:17:05,510 --> 00:17:03,920
them that will serve them no matter what

432
00:17:07,590 --> 00:17:05,520
they do

433
00:17:10,230 --> 00:17:07,600
that's what we have to do as a nation

434
00:17:12,230 --> 00:17:10,240
that's what all of you do every day and

435
00:17:14,390 --> 00:17:12,240
that's what at root will lead to greater

436
00:17:15,990 --> 00:17:14,400
opportunities and brighter horizons for

437
00:17:16,870 --> 00:17:16,000
the next generation and for generations

438
00:17:17,669 --> 00:17:16,880

to come

439

00:17:18,789 --> 00:17:17,679

so