



NASA
HUMAN EXPLORATION
ROVER
CHALLENGE
VIRUTAL AWARDS CEREMONY



1
00:03:35,014 --> 00:00:15,014
[MUSIC]

2
00:03:50,530 --> 00:03:51,531
>> HI, AND WELCOME TO

3
00:03:51,531 --> 00:03:53,199
THE 2021 NASA HUMAN EXPLORATION

4
00:03:53,199 --> 00:03:54,667
ROVER CHALLENGE

5
00:03:54,667 --> 00:03:56,502
VIRTUAL AWARDS CEREMONY.

6
00:03:56,502 --> 00:03:57,737
MY NAME IS MIRANDA FIKE

7
00:03:57,737 --> 00:03:58,705
AND I'M THE ACTIVITY LEAD

8
00:03:58,705 --> 00:03:59,706
FOR HUMAN EXPLORATION

9
00:03:59,706 --> 00:04:01,841
ROVER CHALLENGE, OR HERC.

10
00:04:01,841 --> 00:04:02,675
HERC IS ONE OF THE ARTEMIS

11
00:04:02,675 --> 00:04:03,776
STUDENT CHALLENGES WHICH ARE--

12
00:04:03,776 --> 00:04:05,812
IS DESIGNED TO ATTRACT

13
00:04:05,812 --> 00:04:07,180

AND INSPIRE THE NEXT GENERATION

14

00:04:07,180 --> 00:04:08,815
OF SCIENTISTS, ENGINEERS,

15

00:04:08,815 --> 00:04:10,516
AND EXPLORERS THROUGH ENGAGEMENT

16

00:04:10,516 --> 00:04:11,618
IN THE INNOVATIVE SCIENCE

17

00:04:11,618 --> 00:04:13,119
AND ENGINEERING CRITICAL

18

00:04:13,119 --> 00:04:15,021
TO NASA'S ARTEMIS MISSION,

19

00:04:15,021 --> 00:04:16,322
WHICH HAS THE GOAL OF SENDING

20

00:04:16,322 --> 00:04:18,057
THE FIRST WOMAN AND NEXT MAN

21

00:04:18,057 --> 00:04:19,826
TO WALK ON THE LUNAR SURFACE,

22

00:04:19,826 --> 00:04:20,827
PREPARING HUMANITY FOR

23

00:04:20,827 --> 00:04:23,663
OUR NEXT GIANT LEAP, MARS.

24

00:04:23,663 --> 00:04:25,064
THE OFFICE OF STEM ENGAGEMENT

25

00:04:25,064 --> 00:04:26,599
AND MARSHALL SPACE FLIGHT CENTER

26

00:04:26,599 --> 00:04:28,101

AND ITS PARTNERS APPRECIATE

27

00:04:28,101 --> 00:04:30,436

YOUR TENACITY THIS PAST YEAR.

28

00:04:30,436 --> 00:04:31,137

WE'D LIKE TO RECOGNIZE

29

00:04:31,137 --> 00:04:32,438

THE HARD WORK EACH TEAM

30

00:04:32,438 --> 00:04:33,539

HAS ACCOMPLISHED IN

31

00:04:33,539 --> 00:04:34,674

DESIGNING AND BUILDING

32

00:04:34,674 --> 00:04:35,975

HUMAN-POWERED ROVERS TO

33

00:04:35,975 --> 00:04:38,077

TRAVERSE CHALLENGING TERRAIN

34

00:04:38,077 --> 00:04:39,278

AND COMPLETE MISSION TASKS

35

00:04:39,278 --> 00:04:40,613

ALONG THE WAY.

36

00:04:40,613 --> 00:04:41,848

THIS INCLUDES, FOR YOU,

37

00:04:41,848 --> 00:04:42,949

EVERYTHING FROM DESIGNING

38

00:04:42,949 --> 00:04:44,784

WHEELS AND MISSION TOOLS

39

00:04:44,784 --> 00:04:45,918
TO STRATEGIC PLANNING

40

00:04:45,918 --> 00:04:48,154
AND PROCESS DOCUMENTATION.

41

00:04:48,154 --> 00:04:49,122
WE'D ALSO LIKE TO TAKE

42

00:04:49,122 --> 00:04:50,023
A MOMENT TO ACKNOWLEDGE

43

00:04:50,023 --> 00:04:51,224
THE ADVISORS AND MENTORS

44

00:04:51,224 --> 00:04:52,458
THAT MADE EACH TEAM'S

45

00:04:52,458 --> 00:04:54,694
PARTICIPATION POSSIBLE.

46

00:04:54,694 --> 00:04:56,562
WE'RE GRATEFUL FOR YOU.

47

00:04:56,562 --> 00:04:58,264
AND NOW A FEW WORDS FROM NASA

48

00:04:58,264 --> 00:05:01,668
ASTRONAUT DR. JESSICA WATKINS.

49

00:05:01,668 --> 00:05:03,002
>> WELCOME HUMAN EXPLORATION

50

00:05:03,002 --> 00:05:05,004
ROVER CHALLENGE PARTICIPANTS.

51
00:05:05,004 --> 00:05:06,205
I'M JESSICA WATKINS,

52
00:05:06,205 --> 00:05:07,874
NASA ASTRONAUT,

53
00:05:07,874 --> 00:05:09,275
AND I'M SO HAPPY TO BE ABLE TO

54
00:05:09,275 --> 00:05:11,210
GREET YOU ALL HERE TODAY.

55
00:05:11,210 --> 00:05:12,245
I'M VERY IMPRESSED BY

56
00:05:12,245 --> 00:05:13,246
ALL OF YOUR ACCOMPLISHMENTS

57
00:05:13,246 --> 00:05:14,313
THE LAST YEAR,

58
00:05:14,313 --> 00:05:16,082
WHICH WAS FULL OF CHALLENGES.

59
00:05:16,082 --> 00:05:17,316
BUT JUST LIKE THE PERSEVERANCE

60
00:05:17,316 --> 00:05:18,785
MARS ROVER TEAM,

61
00:05:18,785 --> 00:05:19,952
YOUR HARD WORK PAID OFF

62
00:05:19,952 --> 00:05:20,653
AND IT DOES NOT GO

63
00:05:20,653 --> 00:05:22,155

UNNOTICED BY US HERE AT--

64

00:05:22,155 --> 00:05:23,756
ALL OF US HERE AT NASA.

65

00:05:23,756 --> 00:05:25,558
AS A NASA ASTRONAUT

66

00:05:25,558 --> 00:05:26,159
AND A MEMBER OF

67

00:05:26,159 --> 00:05:28,061
THE CURIOSITY ROVER TEAM,

68

00:05:28,061 --> 00:05:29,929
I KNOW VERY WELL HOW MUCH TIME

69

00:05:29,929 --> 00:05:31,631
AND DEDICATION IT TAKES

70

00:05:31,631 --> 00:05:32,498
TO PURSUE YOUR PASSIONS

71

00:05:32,498 --> 00:05:34,467
AND FOLLOW YOUR DREAMS.

72

00:05:34,467 --> 00:05:35,501
AND I BELIEVE EACH OF YOU

73

00:05:35,501 --> 00:05:36,502
HAS WHAT IT TAKES FOR

74

00:05:36,502 --> 00:05:39,138
A SUCCESSFUL STEM CAREER.

75

00:05:39,138 --> 00:05:41,140
CONGRATULATIONS TO ALL OF YOU.

76

00:05:41,140 --> 00:05:42,442

REACH FOR THE STARS.

77

00:05:42,442 --> 00:05:44,644

YOU ARE THE ARTEMIS GENERATION.

78

00:05:49,182 --> 00:05:50,183

>> HI, EVERYONE.

79

00:05:50,183 --> 00:05:51,084

WELCOME.

80

00:05:51,084 --> 00:05:52,151

I'M KRIS BROWN,

81

00:05:52,151 --> 00:05:53,686

DEPUTY ASSOCIATE ADMINISTRATOR

82

00:05:53,686 --> 00:05:54,587

FOR STEM ENGAGEMENT

83

00:05:54,587 --> 00:05:56,222

HERE AT NASA.

84

00:05:56,222 --> 00:05:57,190

IT'S AWESOME TO

85

00:05:57,190 --> 00:05:57,990

BE WITH YOU ALL,

86

00:05:57,990 --> 00:05:58,925

TO HELP YOU CELEBRATE

87

00:05:58,925 --> 00:05:59,926

THE GREAT WORK YOU'VE DONE

88

00:05:59,926 --> 00:06:02,328

OVER THE PAST SEVERAL MONTHS.

89

00:06:02,328 --> 00:06:03,262

FIRST OF ALL, LET ME SHARE

90

00:06:03,262 --> 00:06:04,964

A FEW TIDBITS ABOUT MYSELF

91

00:06:04,964 --> 00:06:06,165

IN HOPES THAT YOU WILL SEE SOME

92

00:06:06,165 --> 00:06:07,867

CONNECTIONS OR HEAR SOMETHING

93

00:06:07,867 --> 00:06:09,936

THAT MAY RESONATE WITH YOU.

94

00:06:09,936 --> 00:06:10,403

FIRST OF ALL,

95

00:06:10,403 --> 00:06:11,604

I GREW UP IN A TEENY RURAL

96

00:06:11,604 --> 00:06:13,172

TOWN IN PENNSYLVANIA,

97

00:06:13,172 --> 00:06:14,207

AND I WAS THE FIRST PERSON

98

00:06:14,207 --> 00:06:16,709

IN MY FAMILY TO GO TO COLLEGE.

99

00:06:16,709 --> 00:06:18,177

I STARTED MY STEM PATH

100

00:06:18,177 --> 00:06:19,579

EARLY IN MY CHILDHOOD WHEN

101
00:06:19,579 --> 00:06:21,981
MY DAD BROUGHT HOME A LEGO SET.

102
00:06:21,981 --> 00:06:23,216
WHEN I WAS SIX YEARS OLD,

103
00:06:23,216 --> 00:06:23,950
THEN I DISCOVERED

104
00:06:23,950 --> 00:06:26,119
MY PASSION FOR BUILDING.

105
00:06:26,119 --> 00:06:27,754
AFTER THAT, I HAD AN AFFINITY,

106
00:06:27,754 --> 00:06:30,323
OF COURSE, FOR MATH AND SCIENCE.

107
00:06:30,323 --> 00:06:31,224
IN MY CURRENT JOB,

108
00:06:31,224 --> 00:06:32,625
I HAVE THE TERRIFIC ROLE OF

109
00:06:32,625 --> 00:06:34,026
LEADING NASA'S EFFORTS

110
00:06:34,026 --> 00:06:34,594
AND WORKING WITH

111
00:06:34,594 --> 00:06:36,262
STUDENTS LIKE YOU.

112
00:06:36,262 --> 00:06:37,630
I'VE SPENT MOST OF MY NASA

113
00:06:37,630 --> 00:06:39,298

CAREER IN THE TECHNICAL WORLD

114

00:06:39,298 --> 00:06:40,867

AS AN ENGINEER.

115

00:06:40,867 --> 00:06:41,901

I'VE WORKED ON PROJECTS

116

00:06:41,901 --> 00:06:43,069

AS AN ENGINEER AT NASA

117

00:06:43,069 --> 00:06:44,437

GODDARD SPACE FLIGHT CENTER,

118

00:06:44,437 --> 00:06:45,638

RANGING FROM DESIGNING,

119

00:06:45,638 --> 00:06:47,807

BUILDING, AND TESTING SPACECRAFT

120

00:06:47,807 --> 00:06:48,741

FOR EARTH AND SPACE

121

00:06:48,741 --> 00:06:50,643

SCIENCE MISSIONS TO LEADING

122

00:06:50,643 --> 00:06:51,944

THE DEVELOPMENT AND OPERATIONS

123

00:06:51,944 --> 00:06:53,880

OF A MISSION DESIGN CENTER,

124

00:06:53,880 --> 00:06:54,947

LEADING THE CREATION OF

125

00:06:54,947 --> 00:06:56,549

FUTURE ENGINEERING DESIGN

126
00:06:56,549 --> 00:06:58,417
ENVIRONMENTS AND TOOLS,

127
00:06:58,417 --> 00:06:59,485
AND TO RUNNING A SYSTEMS

128
00:06:59,485 --> 00:07:01,788
ENGINEERING ORGANIZATION.

129
00:07:01,788 --> 00:07:02,588
THROUGHOUT MY CAREER,

130
00:07:02,588 --> 00:07:04,056
I DEDICATED TIME, THOUGH,

131
00:07:04,056 --> 00:07:05,792
TO WORKING WITH STUDENTS

132
00:07:05,792 --> 00:07:07,660
AND SERVING AS A MENTOR.

133
00:07:07,660 --> 00:07:08,361
AND I DEVELOPED

134
00:07:08,361 --> 00:07:10,196
A PASSION FOR ENGAGING

135
00:07:10,196 --> 00:07:12,865
AND EDUCATING STUDENTS IN STEM.

136
00:07:12,865 --> 00:07:14,133
SO THAT'S LED TO

137
00:07:14,133 --> 00:07:15,301
WHERE I AM TODAY.

138
00:07:15,301 --> 00:07:16,435

IT'S REALLY EXCITING FOR ME

139

00:07:16,435 --> 00:07:17,303

TO INTERACT WITH

140

00:07:17,303 --> 00:07:18,771

STUDENTS LIKE YOU,

141

00:07:18,771 --> 00:07:19,705

BEING ABLE TO SHARE

142

00:07:19,705 --> 00:07:21,140

EXPERIENCES AND INSIGHTS

143

00:07:21,140 --> 00:07:23,409

FROM-FROM MY PERSPECTIVE,

144

00:07:23,409 --> 00:07:24,143

AND TO HELP YOU

145

00:07:24,143 --> 00:07:25,711

ON YOUR JOURNEYS.

146

00:07:25,711 --> 00:07:26,412

AND I HOPE SHARING

147

00:07:26,412 --> 00:07:27,547

SOME OF MY THOUGHTS WILL

148

00:07:27,547 --> 00:07:28,614

HELP YOU REFLECT ON

149

00:07:28,614 --> 00:07:30,049

WHERE YOU ARE TODAY

150

00:07:30,049 --> 00:07:30,683

AND THINK ABOUT

151
00:07:30,683 --> 00:07:32,385
YOUR JOURNEY AHEAD.

152
00:07:32,385 --> 00:07:32,952
SO FIRST,

153
00:07:32,952 --> 00:07:35,021
LET'S PAUSE AND REFLECT A BIT.

154
00:07:35,021 --> 00:07:37,089
LOOKING BACK TWO YEARS AGO,

155
00:07:37,089 --> 00:07:39,158
THERE IS PROBABLY NO WAY YOU

156
00:07:39,158 --> 00:07:40,259
COULD'VE ENVISIONED WHAT

157
00:07:40,259 --> 00:07:42,695
THIS PAST YEAR WOULD BE LIKE.

158
00:07:42,695 --> 00:07:44,263
AND CERTAINLY NAVIGATING YOUR

159
00:07:44,263 --> 00:07:45,698
STUDIES AND CONDUCTING

160
00:07:45,698 --> 00:07:47,166
THE WORK FOR ROVER CHALLENGE

161
00:07:47,166 --> 00:07:48,835
WERE PROBABLY NOT EXACTLY

162
00:07:48,835 --> 00:07:51,537
WHAT YOU MIGHT'VE IMAGINED.

163
00:07:51,537 --> 00:07:52,872

LOOKING BACK OVER THIS PAST

164

00:07:52,872 --> 00:07:54,807

YEAR NOW AND IN THE FUTURE,

165

00:07:54,807 --> 00:07:55,975

I HOPE YOU WILL FOCUS ON

166

00:07:55,975 --> 00:07:57,210

WHAT YOU'VE LEARNED,

167

00:07:57,210 --> 00:07:58,444

WHAT YOU'VE DISCOVERED ABOUT

168

00:07:58,444 --> 00:08:00,046

YOURSELVES, ABOUT LIFE,

169

00:08:00,046 --> 00:08:00,646

AND PERHAPS ABOUT

170

00:08:00,646 --> 00:08:02,281

WHAT'S IMPORTANT.

171

00:08:02,281 --> 00:08:03,516

YOU WORK IS JUST A PART OF

172

00:08:03,516 --> 00:08:04,917

YOUR LIFE'S STORY,

173

00:08:04,917 --> 00:08:06,219

AND I KNOW FOR MANY OF US,

174

00:08:06,219 --> 00:08:08,020

LIVING IN A PANDEMIC HAS

175

00:08:08,020 --> 00:08:09,455

PROFOUNDLY SHIFTED OUR

176
00:08:09,455 --> 00:08:11,891
THINKING AND OUR PERSPECTIVES.

177
00:08:11,891 --> 00:08:12,792
CERTAINLY, HERE AT NASA,

178
00:08:12,792 --> 00:08:14,160
AS IN ALL WORKPLACES,

179
00:08:14,160 --> 00:08:15,394
WE'VE LEARNED TO ADAPT IN WAYS

180
00:08:15,394 --> 00:08:17,330
WE MAY NOT HAVE ENVISIONED.

181
00:08:17,330 --> 00:08:17,930
AND THAT INCLUDES

182
00:08:17,930 --> 00:08:19,565
REENVISIONING AND REDESIGNING

183
00:08:19,565 --> 00:08:20,900
THIS PROGRAM TO ENABLE

184
00:08:20,900 --> 00:08:23,102
YOU ALL TO PARTICIPATE SAFELY

185
00:08:23,102 --> 00:08:24,837
AND TO HOPEFULLY GAIN SOME

186
00:08:24,837 --> 00:08:27,440
VALUABLE LEARNING EXPERIENCES.

187
00:08:27,440 --> 00:08:28,875
SO, NEXT LET'S EXPLORE A BIT

188
00:08:28,875 --> 00:08:30,776

ABOUT WHAT YOU'VE LEARNED.

189

00:08:30,776 --> 00:08:32,144

I WOULD LIKE TO BRIEFLY TOUCH

190

00:08:32,144 --> 00:08:34,447

ON WHAT I SEE AS FIVE KEY

191

00:08:34,447 --> 00:08:36,415

ATTRIBUTES THAT MIGHT DESCRIBE

192

00:08:36,415 --> 00:08:37,216

SOME OF WHAT YOU'VE

193

00:08:37,216 --> 00:08:38,084

EXPERIENCED THROUGH

194

00:08:38,084 --> 00:08:40,519

YOUR WORK WITH US THIS YEAR.

195

00:08:40,519 --> 00:08:42,655

FIRST, PERSEVERANCE.

196

00:08:42,655 --> 00:08:43,990

AND STEM IS EVIDENCED HERE

197

00:08:43,990 --> 00:08:45,258

IN OUR WORK AT NASA.

198

00:08:45,258 --> 00:08:46,626

THIS IS A KEY INGREDIENT IN

199

00:08:46,626 --> 00:08:48,628

THE SUCCESSFUL STEM JOURNEY.

200

00:08:48,628 --> 00:08:49,762

AND IT'S SO APPROPRIATE THAT

201
00:08:49,762 --> 00:08:51,430
OUR LATEST EXPLORER ON MARS

202
00:08:51,430 --> 00:08:53,266
IS NAMED PERSEVERANCE.

203
00:08:53,266 --> 00:08:54,967
IT SUMS UP ALL THE ENERGY,

204
00:08:54,967 --> 00:08:56,936
BRAIN POWER, DETERMINATION,

205
00:08:56,936 --> 00:08:58,738
AND DEDICATION IT TAKES

206
00:08:58,738 --> 00:08:59,372
TO PULL OFF

207
00:08:59,372 --> 00:09:01,374
SOMETHING SO CHALLENGING,

208
00:09:01,374 --> 00:09:02,308
AND I THINK THIS HAS BEEN

209
00:09:02,308 --> 00:09:03,576
ESPECIALLY EVIDENT OVER

210
00:09:03,576 --> 00:09:05,044
THE PAST YEAR WORKING IN

211
00:09:05,044 --> 00:09:07,647
THE ENVIRONMENT OF THE PANDEMIC.

212
00:09:07,647 --> 00:09:09,949
SECOND, EXCELLENCE.

213
00:09:09,949 --> 00:09:11,417

IT IS SO CRITICAL FOR

214

00:09:11,417 --> 00:09:12,885

YOU ON YOUR STEM JOURNEYS

215

00:09:12,885 --> 00:09:13,886

AND THE FOUNDATION OF

216

00:09:13,886 --> 00:09:15,922

A SUCCESSFUL CAREER IN STEM

217

00:09:15,922 --> 00:09:17,857

TO STRIVE FOR EXCELLENCE.

218

00:09:17,857 --> 00:09:18,691

AND BEING CONFIDENT

219

00:09:18,691 --> 00:09:20,192

IN WHAT YOU DO.

220

00:09:20,192 --> 00:09:21,627

DEVOTE YOUR TIME NOW WHILE

221

00:09:21,627 --> 00:09:22,862

YOU'RE PURUSING YOUR STUDIES

222

00:09:22,862 --> 00:09:24,730

TO LEARNING YOUR CRAFT.

223

00:09:24,730 --> 00:09:26,866

YOU NEED TO DEVELOP CONFIDENCE

224

00:09:26,866 --> 00:09:28,067

AND LEARN TECHNICAL SKILLS

225

00:09:28,067 --> 00:09:29,936

IN ORDER TO BE SUCCESSFUL,

226

00:09:29,936 --> 00:09:30,803
AND EVERYTHING YOU DO

227

00:09:30,803 --> 00:09:32,171
BUILDS ON THAT.

228

00:09:32,171 --> 00:09:33,572
SO, TAKE THE TIME TO EXPLORE

229

00:09:33,572 --> 00:09:35,308
AND LEARN TECHNICALLY,

230

00:09:35,308 --> 00:09:36,242
AND COMMIT YOURSELVES TO

231

00:09:36,242 --> 00:09:38,911
BEING GOOD AT WHAT YOU DO.

232

00:09:38,911 --> 00:09:40,579
THIRD, CREATIVITY.

233

00:09:40,579 --> 00:09:41,514
WE STEM PEOPLE

234

00:09:41,514 --> 00:09:43,316
SOMETIMES GET A BAD RAP.

235

00:09:43,316 --> 00:09:44,150
WE'RE NOT THOSE BORING,

236

00:09:44,150 --> 00:09:45,518
GEEKY PEOPLE SOMETIMES

237

00:09:45,518 --> 00:09:47,687
PORTRAYED ON TV OR BY THOSE

238

00:09:47,687 --> 00:09:48,821

AROUND US WHO DON'T ALWAYS

239

00:09:48,821 --> 00:09:50,723

APPRECIATE WHAT WE DO.

240

00:09:50,723 --> 00:09:52,124

WE'RE CREATIVE SOULS,

241

00:09:52,124 --> 00:09:54,060

WE'RE JAZZED ABOUT WHAT WE DO.

242

00:09:54,060 --> 00:09:55,094

WE LIKE TO DREAM,

243

00:09:55,094 --> 00:09:57,263

DESIGN, BUILD, PLAY,

244

00:09:57,263 --> 00:09:59,699

TEST, AND DISCOVER.

245

00:09:59,699 --> 00:10:00,967

HOLD ONTO TO THOSE THINGS

246

00:10:00,967 --> 00:10:01,834

AS YOU CONTINUE ON YOUR

247

00:10:01,834 --> 00:10:03,336

STEM JOURNEYS AND LOOK FOR

248

00:10:03,336 --> 00:10:04,437

CONNECTIONS TO OTHER

249

00:10:04,437 --> 00:10:07,073

ASPECTS OF YOUR LIVES.

250

00:10:07,073 --> 00:10:08,774

FOURTH, TEAMWORK.

251
00:10:08,774 --> 00:10:09,709
EVERYTHING WE DO IN STEM,

252
00:10:09,709 --> 00:10:10,543
IN INNOVATION,

253
00:10:10,543 --> 00:10:12,044
MEETING NEW CHALLENGES,

254
00:10:12,044 --> 00:10:13,713
DESIGNING SOMETHING NEW,

255
00:10:13,713 --> 00:10:15,548
BRINGING IDEAS INTO REALITY,

256
00:10:15,548 --> 00:10:16,515
INHERENTLY INVOLVES

257
00:10:16,515 --> 00:10:17,984
WORKING AS A TEAM.

258
00:10:17,984 --> 00:10:19,251
WE CAN'T DO OUR WORK

259
00:10:19,251 --> 00:10:20,987
AS A SOLITARY ENDEAVOR.

260
00:10:20,987 --> 00:10:22,588
IT'S A TEAM SPORT.

261
00:10:22,588 --> 00:10:23,656
I HOPE YOU'VE EXPERIENCED SOME

262
00:10:23,656 --> 00:10:25,691
KEY TAKEAWAYS THIS PAST YEAR

263
00:10:25,691 --> 00:10:26,759

AROUND THE IMPORTANCE OF

264

00:10:26,759 --> 00:10:28,094

WORKING WITHIN A TEAM

265

00:10:28,094 --> 00:10:30,029

AND BEING A TEAM PLAYER.

266

00:10:30,029 --> 00:10:32,431

AND FINALLY, INCLUSION.

267

00:10:32,431 --> 00:10:33,799

YOU CANNOT DO THE CHALLENGING

268

00:10:33,799 --> 00:10:35,968

WE WORK IN-IN STEM--- THAT WE

269

00:10:35,968 --> 00:10:37,903

DO IN STEM IN ISOLATION.

270

00:10:37,903 --> 00:10:38,537

EVERY PROJECT THAT

271

00:10:38,537 --> 00:10:39,538

I'VE WORKED ON OVER

272

00:10:39,538 --> 00:10:41,007

THE COURSE OF MY CAREER,

273

00:10:41,007 --> 00:10:41,741

ESPECIALLY THOSE

274

00:10:41,741 --> 00:10:42,441

THAT WERE THE MOST

275

00:10:42,441 --> 00:10:44,010

TECHNICALLY CHALLENGING,

276

00:10:44,010 --> 00:10:45,111

REQUIRED ALL OF US TO

277

00:10:45,111 --> 00:10:47,446

DIVE IN AND PLAY FULLY.

278

00:10:47,446 --> 00:10:48,481

EVERYONE ON THE TEAM

279

00:10:48,481 --> 00:10:49,181

BROUGHT UNIQUE

280

00:10:49,181 --> 00:10:50,783

EXPERIENCES AND TALENTS,

281

00:10:50,783 --> 00:10:51,484

AND WHETHER A MEMBER

282

00:10:51,484 --> 00:10:53,052

OF THE TEAM OR A LEADER,

283

00:10:53,052 --> 00:10:54,186

IT IS VITAL TO BRING

284

00:10:54,186 --> 00:10:57,023

EVERYONE'S GIFTS TO THE PARTY.

285

00:10:57,023 --> 00:10:58,391

SO, HOPEFULLY YOUR EFFORTS

286

00:10:58,391 --> 00:10:59,458

ON ROVER CHALLENGE HAVE

287

00:10:59,458 --> 00:11:00,559

PROVIDED NEW INSIGHTS

288

00:11:00,559 --> 00:11:01,861

AROUND FIVE-- THOSE FIVE

289

00:11:01,861 --> 00:11:03,629

ATTRIBUTES AND MORE.

290

00:11:03,629 --> 00:11:04,630

AND I HOPE YOU'LL BE ABLE TO

291

00:11:04,630 --> 00:11:05,931

TAKE THESE EXPERIENCES

292

00:11:05,931 --> 00:11:07,066

YOU GAINED WITH YOU ALONG

293

00:11:07,066 --> 00:11:10,569

THE NEXT STEPS OF YOUR JOURNEYS.

294

00:11:10,569 --> 00:11:11,404

THE WORK WE DO IN STEM

295

00:11:11,404 --> 00:11:13,406

IS NOT EASY.

296

00:11:13,406 --> 00:11:15,041

GO IT-- DON'T GO IT ALONE.

297

00:11:15,041 --> 00:11:16,242

SEEK OUR A MENTOR,

298

00:11:16,242 --> 00:11:17,309

REACH OUT FOR GUIDANCE

299

00:11:17,309 --> 00:11:18,778

AND HELP WHEN YOU NEED IT,

300

00:11:18,778 --> 00:11:19,578

AND REACH OUT TO OTHERS

301
00:11:19,578 --> 00:11:21,280
WHO MAY NEED HELP.

302
00:11:21,280 --> 00:11:22,715
AND BE MINDFUL OF YOUR ROLE AS

303
00:11:22,715 --> 00:11:25,051
YOU MOVE FORWARD OF-OF YOUR

304
00:11:25,051 --> 00:11:26,018
ROLE WITHIN THE COMMUN--

305
00:11:26,018 --> 00:11:27,319
IN YOUR COMMUNITIES AND WHAT

306
00:11:27,319 --> 00:11:29,655
YOU'D LIKE TO CONTRIBUTE.

307
00:11:29,655 --> 00:11:30,990
SUPPORT YOUR TEAM MEMBERS

308
00:11:30,990 --> 00:11:32,358
AND COLLEAGUES.

309
00:11:32,358 --> 00:11:34,393
IT'S VITAL TO SUCCESS, BUT ALSO

310
00:11:34,393 --> 00:11:36,295
CENTRAL TO FULFILLING, UH--

311
00:11:36,295 --> 00:11:38,531
A FULFILLING LIFE'S JOURNEY.

312
00:11:38,531 --> 00:11:39,265
SO, WITH THAT,

313
00:11:39,265 --> 00:11:40,833

CONGRATULATIONS TO ALL OF YOU

314

00:11:40,833 --> 00:11:42,334

FOR CROSSING THE FINISH LINE.

315

00:11:42,334 --> 00:11:44,136

AND KUDOS ON YOUR AMAZING WORK

316

00:11:44,136 --> 00:11:46,272

AND ACCOMPLISHMENTS THIS YEAR.

317

00:11:54,313 --> 00:11:56,682

>> ALL RIGHT.

318

00:11:56,682 --> 00:11:57,483

SO, HI!

319

00:11:57,483 --> 00:11:58,617

THIS IS A FUN,

320

00:11:58,617 --> 00:11:59,819

EXCITING EVENT THAT

321

00:11:59,819 --> 00:12:01,854

I LOVE TO BE A PART OF.

322

00:12:01,854 --> 00:12:02,922

AND I JUST WANTED TO SAY

323

00:12:02,922 --> 00:12:05,257

THANK YOU SO MUCH TO

324

00:12:05,257 --> 00:12:06,892

EVERYONE WHO'S TUNING IN

325

00:12:06,892 --> 00:12:08,194

ACROSS THE COUNTRY

326

00:12:08,194 --> 00:12:09,395
AND AROUND THE WORLD

327

00:12:09,395 --> 00:12:10,729
FOR THIS EVENT.

328

00:12:10,729 --> 00:12:11,263
YOU KNOW,

329

00:12:11,263 --> 00:12:12,832
I WISH WE WERE ALL THERE TO

330

00:12:12,832 --> 00:12:14,967
GATHER TOGETHER AT THE U.S.

331

00:12:14,967 --> 00:12:16,235
SPACE AND ROCKET CENTER

332

00:12:16,235 --> 00:12:17,369
TO PRESENT THESE AWARDS,

333

00:12:17,369 --> 00:12:18,337
SO A BIG SHOUT OUT TO

334

00:12:18,337 --> 00:12:19,605
THE SPACE AND ROCKET CENTER

335

00:12:19,605 --> 00:12:21,507
AND KIMBERLY ROBINSON.

336

00:12:21,507 --> 00:12:22,241
YOU KNOW, THEY HAVE BEEN

337

00:12:22,241 --> 00:12:23,509
A GREAT PARTNER IN-IN

338

00:12:23,509 --> 00:12:26,645

HELPING US DO THIS EVERY YEAR.

339

00:12:26,645 --> 00:12:28,314

UM, AS KRIS SAID, YOU KNOW,

340

00:12:28,314 --> 00:12:30,149

UH, OVER A YEAR AGO,

341

00:12:30,149 --> 00:12:30,716

WHO WOULD HAVE THOUGHT

342

00:12:30,716 --> 00:12:31,984

WE'D BE STILL DOING THIS,

343

00:12:31,984 --> 00:12:33,786

UM, YOU KNOW, VIRTUALLY.

344

00:12:33,786 --> 00:12:34,920

BUT I'LL TELL YOU, YOU KNOW,

345

00:12:34,920 --> 00:12:36,355

THERE IS NOTHING ELSE

346

00:12:36,355 --> 00:12:37,823

LIKE THIS COMPETITION.

347

00:12:37,823 --> 00:12:38,757

AND, YOU KNOW,

348

00:12:38,757 --> 00:12:40,626

I'M JUST STILL PROUD NOT ONLY

349

00:12:40,626 --> 00:12:43,162

OF AMERICA AND NASA,

350

00:12:43,162 --> 00:12:44,730

BUT OF YOU, UM,

351
00:12:44,730 --> 00:12:47,266
FOR BEING ABLE TO ADAPT TO

352
00:12:47,266 --> 00:12:49,235
THIS NEW WAY OF DOING BUSINESS

353
00:12:49,235 --> 00:12:50,703
AND YOUR AGILITY.

354
00:12:50,703 --> 00:12:51,804
YOU KNOW, TODAY'S, UH,

355
00:12:51,804 --> 00:12:53,205
VIRTUAL AWARDS CEREMONY IS--

356
00:12:53,205 --> 00:12:55,174
IT'S CONTINUED PROOF OF OUR

357
00:12:55,174 --> 00:12:57,643
ABILITY TO ACHIEVE, UM,

358
00:12:57,643 --> 00:12:58,511
THROUGH ALL THESE

359
00:12:58,511 --> 00:13:00,246
CHALLENGES THAT THROW US,

360
00:13:00,246 --> 00:13:01,280
UH, DIFFERENT CURVES.

361
00:13:01,280 --> 00:13:02,681
YOU KNOW, AND THAT'S PART OF,

362
00:13:02,681 --> 00:13:03,649
UH, WHAT WE FIND IN

363
00:13:03,649 --> 00:13:05,151

SPACE EXPLORATION.

364

00:13:05,151 --> 00:13:06,619

UH, WE ALWAYS HAVE, UH,

365

00:13:06,619 --> 00:13:07,987

CURVES AND CHALLENGES

366

00:13:07,987 --> 00:13:09,788

OF-OF DOING THE IMPOSSIBLE

367

00:13:09,788 --> 00:13:11,357

AND MAKING IT WORK.

368

00:13:11,357 --> 00:13:12,625

SO, ON BEHALF OF NASA'S

369

00:13:12,625 --> 00:13:14,793

MARSHALL SPACE FLIGHT CENTER,

370

00:13:14,793 --> 00:13:15,528

I CONGRATULATE EACH

371

00:13:15,528 --> 00:13:16,729

AND EVERY TEAM

372

00:13:16,729 --> 00:13:17,663

THAT PARTICIPATED

373

00:13:17,663 --> 00:13:19,498

IN THIS YEAR'S EVENT.

374

00:13:19,498 --> 00:13:20,366

YOU KNOW, THIS IS ONE OF

375

00:13:20,366 --> 00:13:22,168

MY FAVORITE COMPETITIONS

376

00:13:22,168 --> 00:13:24,637

BECAUSE WHEN I'M THERE IN PERSON

377

00:13:24,637 --> 00:13:26,205

I GET TO SEE, UH,

378

00:13:26,205 --> 00:13:27,406

THE THRILL OF VICTORY,

379

00:13:27,406 --> 00:13:28,140

UH, YOU KNOW,

380

00:13:28,140 --> 00:13:29,275

THE AGONY OF DEFEAT.

381

00:13:29,275 --> 00:13:30,609

I GET TO SEE THE TEAMS

382

00:13:30,609 --> 00:13:32,011

WORKING TOGETHER,

383

00:13:32,011 --> 00:13:33,145

THE INTERACTION

384

00:13:33,145 --> 00:13:35,147

AND THE ENERGY IS JUST UNREAL,

385

00:13:35,147 --> 00:13:36,615

AND I KNOW THAT THESE TYPE

386

00:13:36,615 --> 00:13:38,317

OF COMPETITIONS, UM,

387

00:13:38,317 --> 00:13:40,819

HOPEFULLY TEACH EVERYONE,

388

00:13:40,819 --> 00:13:42,655

UH, THAT YOU CAN BE A PART

389

00:13:42,655 --> 00:13:43,789

OF THE SPACE PROGRAM

390

00:13:43,789 --> 00:13:45,224

AND EXPLORATION

391

00:13:45,224 --> 00:13:47,426

AND THAT YOU CAN DO IT

392

00:13:47,426 --> 00:13:48,494

AND THAT EVERYBODY

393

00:13:48,494 --> 00:13:50,563

HAS A KEY ROLE TO PLAY

394

00:13:50,563 --> 00:13:51,564

IN SPACE EXPLORATION

395

00:13:51,564 --> 00:13:52,731

AND SCIENCE.

396

00:13:52,731 --> 00:13:54,700

AND YOU CAN DO IT NO MATTER--

397

00:13:54,700 --> 00:13:55,834

AS KRIS SAID, YOU COME FROM

398

00:13:55,834 --> 00:13:58,337

A SMALL TOWN, LARGE TOWN,

399

00:13:58,337 --> 00:13:59,738

UM, YOUR BACKGROUND

400

00:13:59,738 --> 00:14:00,973

IS JUST HAVING THE ENERGY

401
00:14:00,973 --> 00:14:02,107
TO WANNA BE A PART OF IT.

402
00:14:02,107 --> 00:14:02,875
AND YOU KNOW,

403
00:14:02,875 --> 00:14:03,842
I THANK ALL OF YOU

404
00:14:03,842 --> 00:14:05,110
FOR YOUR ENTHUSIASM

405
00:14:05,110 --> 00:14:06,645
FOR THIS COMPETITION

406
00:14:06,645 --> 00:14:08,180
AND THE HARD WORK, UM,

407
00:14:08,180 --> 00:14:09,081
THAT EACH OF YOU

408
00:14:09,081 --> 00:14:09,882
HAVE REPRESENTED.

409
00:14:09,882 --> 00:14:12,051
YOU'RE AN INSPIRATION TO ME

410
00:14:12,051 --> 00:14:13,819
AND TO NASA AND WE'RE WATCHING.

411
00:14:13,819 --> 00:14:15,821
WE NEED FOLKS LIKE YOU.

412
00:14:15,821 --> 00:14:16,989
SO, NASA IS PROUD TO BE

413
00:14:16,989 --> 00:14:17,856

A PART OF THE HUMAN

414

00:14:17,856 --> 00:14:19,391

EXPLORATION ROVER CHALLENGE

415

00:14:19,391 --> 00:14:20,092

BECAUSE WE WANT YOU

416

00:14:20,092 --> 00:14:21,493

TO BE EXCITED ABOUT

417

00:14:21,493 --> 00:14:22,661

POTENTIAL CAREERS

418

00:14:22,661 --> 00:14:24,697

IN SCIENCE, ENGINEERING,

419

00:14:24,697 --> 00:14:26,332

TECHNOLOGY, AND MATH--

420

00:14:26,332 --> 00:14:28,234

THE STEM FIELDS.

421

00:14:28,234 --> 00:14:29,568

YOU KNOW, THIS COMPETITION

422

00:14:29,568 --> 00:14:30,636

IS ONE OF THE ARTEMIS

423

00:14:30,636 --> 00:14:31,971

STUDENT CHALLENGES

424

00:14:31,971 --> 00:14:33,172

AND THEY'RE DESIGNED

425

00:14:33,172 --> 00:14:34,506

TO ATTRACT AND INSPIRE

426
00:14:34,506 --> 00:14:35,908
THE NEXT GENERATION

427
00:14:35,908 --> 00:14:37,476
OF SCIENTISTS, ENGINEERS,

428
00:14:37,476 --> 00:14:38,877
AND EXPLORERS,

429
00:14:38,877 --> 00:14:40,346
WHILE WE'RE ENGAGING YOU

430
00:14:40,346 --> 00:14:41,480
IN INNOVATIVE SCIENCE

431
00:14:41,480 --> 00:14:43,349
AND ENGINEERING THAT'S CRITICAL

432
00:14:43,349 --> 00:14:45,517
TO NASA'S ARTEMIS PROGRAM.

433
00:14:45,517 --> 00:14:47,119
WE'RE ALSO GIVING YOU A PART

434
00:14:47,119 --> 00:14:48,254
OF YOU UNDERSTANDING

435
00:14:48,254 --> 00:14:49,655
HOW TO WORK TOGETHER.

436
00:14:49,655 --> 00:14:51,190
SO, A BIG SHOUT OUT TO OUR-

437
00:14:51,190 --> 00:14:53,092
OUR OCM TEAM THAT HAS MADE

438
00:14:53,092 --> 00:14:54,460

THESE EFFORTS, UM,

439

00:14:54,460 --> 00:14:56,395

ABIL-ABILITY TO DO THIS

440

00:14:56,395 --> 00:14:58,297

AND TO FIND INNOVATIVE WAYS,

441

00:14:58,297 --> 00:14:59,164

UH, TO PRESERVE

442

00:14:59,164 --> 00:15:00,566

THIS COMPETITION IN THE FACE

443

00:15:00,566 --> 00:15:02,167

OF THESE UNPRECEDENTED

444

00:15:02,167 --> 00:15:03,435

CONDITIONS.

445

00:15:03,435 --> 00:15:04,737

AND AGAIN, WE ARE SO PROUD

446

00:15:04,737 --> 00:15:06,005

TO HAVE SUCH AN AGILE

447

00:15:06,005 --> 00:15:07,039

AND CREATIVE GROUP

448

00:15:07,039 --> 00:15:08,974

THAT HAS PRIORITIZED SAFETY

449

00:15:08,974 --> 00:15:10,442

AND STILL FOUND WAYS

450

00:15:10,442 --> 00:15:11,944

TO MAINTAIN THE SPIRIT

451
00:15:11,944 --> 00:15:13,545
OF THIS EVENT.

452
00:15:13,545 --> 00:15:15,281
YOU KNOW, THIS COMPETITION

453
00:15:15,281 --> 00:15:16,448
IS A TERRIFIC EXAMPLE

454
00:15:16,448 --> 00:15:18,183
OF HOW LEADERS IN GOVERNMENT,

455
00:15:18,183 --> 00:15:20,686
AND INDUSTRY, AND ACADEMIA

456
00:15:20,686 --> 00:15:21,520
CAN WORK TOGETHER

457
00:15:21,520 --> 00:15:22,821
WITH YOUNG PEOPLE TO FOSTER

458
00:15:22,821 --> 00:15:24,390
THEIR TALENTS AND SHOW

459
00:15:24,390 --> 00:15:25,991
HOW TEAMWORK REALLY LEADS

460
00:15:25,991 --> 00:15:27,593
TO GREAT THINGS.

461
00:15:27,593 --> 00:15:28,494
YOU KNOW,

462
00:15:28,494 --> 00:15:29,228
THIS YEAR'S COMPETITION

463
00:15:29,228 --> 00:15:30,429

FEATURED MORE CHALLENGES

464

00:15:30,429 --> 00:15:32,298

THAN EVER BEFORE, UH,

465

00:15:32,298 --> 00:15:34,300

VIRTUALLY AND-AND PHYSICALLY

466

00:15:34,300 --> 00:15:34,900

AGAINST YOU.

467

00:15:34,900 --> 00:15:35,868

BUT, YOU KNOW, SOME OF

468

00:15:35,868 --> 00:15:37,469

THE DESIGNS, UH,

469

00:15:37,469 --> 00:15:38,971

OR IT WAS DESIGNED

470

00:15:38,971 --> 00:15:41,073

TO MAKE SURE TO MAKE YOU THINK,

471

00:15:41,073 --> 00:15:42,541

TO MAKE YOU WORK AS A TEAM,

472

00:15:42,541 --> 00:15:44,043

UH, TO-TO MAKE YOU SEE

473

00:15:44,043 --> 00:15:45,177

THE BIG PICTURE,

474

00:15:45,177 --> 00:15:46,378

UNDERSTAND YOUR ROLE

475

00:15:46,378 --> 00:15:47,379

AND SEE HOW

476

00:15:47,379 --> 00:15:48,414

IT ALL COMES TOGETHER.

477

00:15:48,414 --> 00:15:49,448

YOU KNOW, AND OTHER CHALLENGES

478

00:15:49,448 --> 00:15:50,516

WERE JUST, YOU KNOW,

479

00:15:50,516 --> 00:15:51,984

OUT OF OUR CONTROL, YOU KNOW,

480

00:15:51,984 --> 00:15:53,686

FACING ALL OF HUMANITY.

481

00:15:53,686 --> 00:15:55,054

UM, WHAT A BETTER WAY

482

00:15:55,054 --> 00:15:56,455

TO FOSTER GRIT

483

00:15:56,455 --> 00:15:57,823

AND DETERMINATION,

484

00:15:57,823 --> 00:16:00,826

PERSEVERANCE, UM, AND AGAIN,

485

00:16:00,826 --> 00:16:01,927

IS EVERY YEAR

486

00:16:01,927 --> 00:16:03,495

YOU ALWAYS BLOW US AWAY.

487

00:16:03,495 --> 00:16:04,730

YOU KNOW, THESE UNIQUE

488

00:16:04,730 --> 00:16:06,231

CHALLENGES REQUIRE US

489

00:16:06,231 --> 00:16:07,499
TO FOCUS ON OUR EFFORTS

490

00:16:07,499 --> 00:16:09,201
IN A DIFFERENT WAY.

491

00:16:09,201 --> 00:16:10,169
BUT YOU HAVE PERSEVERED

492

00:16:10,169 --> 00:16:12,004
THROUGH IT ALL, BUILDING,

493

00:16:12,004 --> 00:16:13,539
YOU KNOW, AND ENGINEERING,

494

00:16:13,539 --> 00:16:15,374
DESIGNING THESE ROVERS

495

00:16:15,374 --> 00:16:16,308
TO MEET STRICT

496

00:16:16,308 --> 00:16:17,643
DESIGN CHALLENGES.

497

00:16:17,643 --> 00:16:19,078
AND EVEN THOUGH COULDN'T,

498

00:16:19,078 --> 00:16:21,413
UH, COMPETE IN THE GRAND FINALE

499

00:16:21,413 --> 00:16:22,514
AT THE SPACE AND ROCKET CENTER

500

00:16:22,514 --> 00:16:23,649
THIS MONTH, THE LESSONS

501
00:16:23,649 --> 00:16:25,017
YOU'VE LEARNED WILL BE ONES

502
00:16:25,017 --> 00:16:27,052
THAT WILL BE IN YOUR TOOLKIT

503
00:16:27,052 --> 00:16:28,220
THAT YOU CAN TAKE WITH YOU

504
00:16:28,220 --> 00:16:29,822
NO MATTER WHERE YOU GO

505
00:16:29,822 --> 00:16:30,956
AND THEY'RE THE SAME THINGS

506
00:16:30,956 --> 00:16:32,458
THAT NASA NEEDS TO EXECUTE

507
00:16:32,458 --> 00:16:33,792
OUR MISSION, JUST LIKE

508
00:16:33,792 --> 00:16:35,294
OUR OWN PERSEVERANCE ROVER

509
00:16:35,294 --> 00:16:37,296
THAT'S CURRENTLY ON MARS.

510
00:16:37,296 --> 00:16:38,297
YOU KNOW, AS PIONEERS

511
00:16:38,297 --> 00:16:39,832
OF SPACE EXPLORATION

512
00:16:39,832 --> 00:16:41,200
NASA ALSO FACES THESE

513
00:16:41,200 --> 00:16:42,601

CHALLENGES IN EVERYTHING

514

00:16:42,601 --> 00:16:44,570
WE DO ON A REGULAR BASIS,

515

00:16:44,570 --> 00:16:45,471
SO YOU'RE GETTING IT

516

00:16:45,471 --> 00:16:47,139
TO EXPERIENCE OUR WORLD

517

00:16:47,139 --> 00:16:48,741
AND WE CHOOSE TO FIND SOLUTIONS

518

00:16:48,741 --> 00:16:49,675
TO EACH AND EVERY ONE

519

00:16:49,675 --> 00:16:51,210
OF THESE CHALLENGES.

520

00:16:51,210 --> 00:16:53,145
AND YOUR SKILLS, YOU KNOW,

521

00:16:53,145 --> 00:16:54,913
THEY GO BEYOND WHAT YOU'VE DONE

522

00:16:54,913 --> 00:16:56,448
JUST IN THIS CHALLENGE.

523

00:16:56,448 --> 00:16:57,449
YOU KNOW, THEY BE GONE--

524

00:16:57,449 --> 00:16:58,417
THEY GO BEYOND

525

00:16:58,417 --> 00:17:00,152
WHAT YOU'VE DONE THIS YEAR.

526

00:17:00,152 --> 00:17:01,520

YOU KNOW, YOU'VE JUST

527

00:17:01,520 --> 00:17:04,123

DISTRIBUTED AND SHOWN US

528

00:17:04,123 --> 00:17:05,224

AND DEMONSTRATED

529

00:17:05,224 --> 00:17:06,258

ALL THE ATTRIBUTES

530

00:17:06,258 --> 00:17:08,093

WE'RE LOOKING FOR AT NASA.

531

00:17:08,093 --> 00:17:10,195

YOUR ABILITY TO PROBLEM SOLVE,

532

00:17:10,195 --> 00:17:10,929

YOU'RE CREATING

533

00:17:10,929 --> 00:17:12,564

UNIQUE SOLUTIONS,

534

00:17:12,564 --> 00:17:14,633

DEFINITELY YOUR ENTHUSIASM,

535

00:17:14,633 --> 00:17:15,567

AND AS ALWAYS PUSHING

536

00:17:15,567 --> 00:17:17,836

THE LIMITS OF INNOVATION.

537

00:17:17,836 --> 00:17:19,138

YOU KNOW, ALL THOSE TRAITS

538

00:17:19,138 --> 00:17:20,439

ARE GREAT FOUNDATIONS

539

00:17:20,439 --> 00:17:22,708

FOR YOUR FUTURE IN STEM FIELDS

540

00:17:22,708 --> 00:17:24,243

AND IT'S SKILLS THAT I STRESS

541

00:17:24,243 --> 00:17:25,110

THAT WE NEED

542

00:17:25,110 --> 00:17:26,779

ACROSS THE AGENCY.

543

00:17:26,779 --> 00:17:27,579

YOU KNOW, FOR MORE THAN

544

00:17:27,579 --> 00:17:29,381

25 YEARS THE NASA HUMAN

545

00:17:29,381 --> 00:17:30,983

EXPLORATION ROVER CHALLENGE

546

00:17:30,983 --> 00:17:32,384

AND ITS SPONSORS

547

00:17:32,384 --> 00:17:33,485

HAVE ENCOURAGED STUDENTS

548

00:17:33,485 --> 00:17:35,087

AND TEAMS FROM ALL ACROSS

549

00:17:35,087 --> 00:17:36,655

THE WORLD TO OVERCOME

550

00:17:36,655 --> 00:17:37,523

THESE OBSTACLES

551
00:17:37,523 --> 00:17:39,124
AND PARTICIPATE,

552
00:17:39,124 --> 00:17:40,392
AND THESE AWARDS RECOGNIZE

553
00:17:40,392 --> 00:17:42,261
THE HARD WORK THAT EACH TEAM

554
00:17:42,261 --> 00:17:43,695
HAS ACCOMPLISHED IN DESIGNING

555
00:17:43,695 --> 00:17:44,596
AND BUILDING

556
00:17:44,596 --> 00:17:46,398
HUMAN POWERED ROVERS.

557
00:17:46,398 --> 00:17:47,366
YOU KNOW, HAVING DESIGNED

558
00:17:47,366 --> 00:17:49,301
THESE ROVERS TO TRAVERSE,

559
00:17:49,301 --> 00:17:50,969
UH, A SIMULATED

560
00:17:50,969 --> 00:17:52,905
EXOPLANETARY COURSE

561
00:17:52,905 --> 00:17:54,606
AND TO SEE AND HOW WE CONDUCT

562
00:17:54,606 --> 00:17:56,375
OUR MISSIONS ALONG THE WAY,

563
00:17:56,375 --> 00:17:57,609

YOU KNOW, WE'RE DEFINITELY

564

00:17:57,609 --> 00:17:59,211

INTENDED TO SIMULATE

565

00:17:59,211 --> 00:18:00,078

SOME OF THE SKILLS

566

00:18:00,078 --> 00:18:01,980

WE'RE LOOKING FOR AT NASA.

567

00:18:01,980 --> 00:18:03,916

AND JUST AS NASA MISSIONS ADAPT

568

00:18:03,916 --> 00:18:05,684

TO MEET EXPLORATION GOALS,

569

00:18:05,684 --> 00:18:06,752

THIS COMPETITION

570

00:18:06,752 --> 00:18:09,755

HAS DRASTICALLY OVER THE YEARS

571

00:18:09,755 --> 00:18:11,523

BROUGHT OUT THOSE CHALLENGES,

572

00:18:11,523 --> 00:18:12,958

YOU KNOW, FROM THE ORIGINAL

573

00:18:12,958 --> 00:18:15,828

SIX TEAMS WHO RACED IN 1994

574

00:18:15,828 --> 00:18:17,896

TO THE 87 TEAMS THAT STARTED

575

00:18:17,896 --> 00:18:19,698

THIS YEAR'S COMPETITION.

576
00:18:19,698 --> 00:18:20,833
YOU KNOW, AND THOSE TEAMS

577
00:18:20,833 --> 00:18:22,835
ARE FROM ALL OVER THE WORLD--

578
00:18:22,835 --> 00:18:25,103
BRAZIL, BOLIVIA,

579
00:18:25,103 --> 00:18:26,038
AND IF WE WERE IN PERSON

580
00:18:26,038 --> 00:18:26,972
Y'ALL COULD BE CHEERING

581
00:18:26,972 --> 00:18:27,973
FOR EACH ONE OF THEM--

582
00:18:27,973 --> 00:18:30,275
COLUMBIA, PERU, MEXICO,

583
00:18:30,275 --> 00:18:31,844
DOMINICAN REPUBLIC,

584
00:18:31,844 --> 00:18:32,644
AND FROM ALL THE WAY

585
00:18:32,644 --> 00:18:34,646
FROM BANGLADESH AND INDIA.

586
00:18:34,646 --> 00:18:35,914
YOU KNOW, AND ALSO

587
00:18:35,914 --> 00:18:37,749
THE UNITED STATES, YOU KNOW,

588
00:18:37,749 --> 00:18:39,585

CALIFORNIA, PUERTO RICO,

589

00:18:39,585 --> 00:18:40,686

AND EVEN HERE IN OUR OWN

590

00:18:40,686 --> 00:18:42,154

BACKYARD IN ALABAMA,

591

00:18:42,154 --> 00:18:42,988

FROM THE TEAMS FROM

592

00:18:42,988 --> 00:18:44,656

ALABAMA A&M UNIVERSITY

593

00:18:44,656 --> 00:18:45,824

AND THE UNIVERSITY OF ALABAMA

594

00:18:45,824 --> 00:18:46,959

IN HUNTSVILLE.

595

00:18:46,959 --> 00:18:48,694

YOU KNOW, BIG SHOUT OUT

596

00:18:48,694 --> 00:18:49,962

TO EVERY TEAM.

597

00:18:49,962 --> 00:18:51,196

YOU KNOW, THE ROVER CHALLENGE

598

00:18:51,196 --> 00:18:52,197

IS NO J-- LONGER

599

00:18:52,197 --> 00:18:53,699

JUST A PHYSICAL CHALLENGE,

600

00:18:53,699 --> 00:18:55,167

IT'S A MENTAL CHALLENGE,

601
00:18:55,167 --> 00:18:56,768
AND WHEN THE MISSION TAKES

602
00:18:56,768 --> 00:18:58,437
ALL THE TASKS AND ELEMENTS

603
00:18:58,437 --> 00:18:59,972
THAT WE ADD, YOU KNOW,

604
00:18:59,972 --> 00:19:00,939
WE'VE ADDED EVEN MORE

605
00:19:00,939 --> 00:19:02,474
SINCE 2018.

606
00:19:02,474 --> 00:19:03,942
IT'S TRANSFORMED THE RACE

607
00:19:03,942 --> 00:19:05,244
INTO A MISSION WHERE TEAMS

608
00:19:05,244 --> 00:19:07,045
HAVE TO THINK STRATEGICALLY

609
00:19:07,045 --> 00:19:08,981
ABOUT THE OBSTACLES

610
00:19:08,981 --> 00:19:10,682
AND HOW TO TAKE THEM ON.

611
00:19:10,682 --> 00:19:12,651
YOU HAVE TO WORK AS A TEAM.

612
00:19:12,651 --> 00:19:13,785
YOU HAVE TO BE THAT WAY

613
00:19:13,785 --> 00:19:15,087

AND THAT'S THE WAY WE DO

614

00:19:15,087 --> 00:19:16,321
FOR THE NASA TEAMS

615

00:19:16,321 --> 00:19:18,390
AS WE FACE CHALLENGES.

616

00:19:18,390 --> 00:19:20,359
WE GO THROUGH DESIGN REVIEWS,

617

00:19:20,359 --> 00:19:22,828
WE GO THROUGH UPCOMING MISSIONS,

618

00:19:22,828 --> 00:19:24,463
WE GO THROUGH SO MUCH,

619

00:19:24,463 --> 00:19:25,564
YOU KNOW, AND WE WERE STILL

620

00:19:25,564 --> 00:19:26,965
FACED-- WE STILL FACE

621

00:19:26,965 --> 00:19:29,167
THESE SAME CHALLENGES EVERYDAY

622

00:19:29,167 --> 00:19:30,002
AS WE'RE MAKING

623

00:19:30,002 --> 00:19:31,336
CRUCIAL DECISIONS IN BUILDING

624

00:19:31,336 --> 00:19:32,938
OUR ROVERS AND GOING FORWARD

625

00:19:32,938 --> 00:19:34,940
IN EXPLORATIONS.

626
00:19:34,940 --> 00:19:35,941
SO THE CHALLENGE YOU FACED

627
00:19:35,941 --> 00:19:37,009
IN THIS COMPETITION

628
00:19:37,009 --> 00:19:39,311
WILL GO WAY FAR.

629
00:19:39,311 --> 00:19:40,512
EVERYTHING FROM DESIGNING

630
00:19:40,512 --> 00:19:41,346
THE WHEELS,

631
00:19:41,346 --> 00:19:42,381
AND THE MISSIONS TOOLS,

632
00:19:42,381 --> 00:19:43,282
TO EXECUTING THE MISSION

633
00:19:43,282 --> 00:19:44,516
REQUIREMENTS,

634
00:19:44,516 --> 00:19:45,984
LIKE THE SAMPLE RETRIEVALS

635
00:19:45,984 --> 00:19:47,853
AND IN DEPLOYING INSTRUMENTS.

636
00:19:47,853 --> 00:19:48,921
TO ALL OF THE STUDENTS

637
00:19:48,921 --> 00:19:50,389
WHO TOOK PART ON THESE TASKS

638
00:19:50,389 --> 00:19:51,290

AND PARTICIPATED IN

639

00:19:51,290 --> 00:19:52,858

THE ROVER CHALLENGE,

640

00:19:52,858 --> 00:19:54,192

WE SERIOUSLY...

641

00:19:54,192 --> 00:19:55,827

WE ABSOLUTE SALUTE YOU

642

00:19:55,827 --> 00:19:56,728

AND CONGRATULATE YOU

643

00:19:56,728 --> 00:19:58,163

ON YOUR ACCOMPLISHMENTS.

644

00:19:58,163 --> 00:19:59,898

YOU HAVE NO IDEA HOW EXCITED

645

00:19:59,898 --> 00:20:01,166

IT MAKES ME TO SEE THE PRIDE

646

00:20:01,166 --> 00:20:02,701

YOU TAKE IN YOUR WORK.

647

00:20:02,701 --> 00:20:03,669

BELIEVE IT OR NOT

648

00:20:03,669 --> 00:20:05,203

YOU ARE THE INSPIRATION FOR ME

649

00:20:05,203 --> 00:20:06,438

AND OTHERS AT NASA

650

00:20:06,438 --> 00:20:08,106

AS WE PUT THE FIRST WOMAN

651
00:20:08,106 --> 00:20:09,207
AND THE NEXT MAN

652
00:20:09,207 --> 00:20:11,176
ON THE SURFACE OF THE MOON.

653
00:20:11,176 --> 00:20:11,944
I HOPE YOU'LL TAKE WHAT

654
00:20:11,944 --> 00:20:13,211
YOU LEARNED FROM THIS EVENT

655
00:20:13,211 --> 00:20:14,646
AND USE IT IN WHATEVER

656
00:20:14,646 --> 00:20:15,847
THE FUTURE HOLDS FOR YOU,

657
00:20:15,847 --> 00:20:17,382
BUT IT IS BRIGHT.

658
00:20:17,382 --> 00:20:18,283
BASED ON WHAT I'VE SEEN

659
00:20:18,283 --> 00:20:19,284
FROM THESE AWARDS,

660
00:20:19,284 --> 00:20:21,053
IT WILL BE A BRIGHT FUTURE

661
00:20:21,053 --> 00:20:22,354
AND HOPEFULLY WE WILL SEE YOU

662
00:20:22,354 --> 00:20:24,222
AGAIN AS ENGINEERS

663
00:20:24,222 --> 00:20:25,657

AND SCIENTISTS WORKING IN

664

00:20:25,657 --> 00:20:27,459

THE AEROSPACE INDUSTRY

665

00:20:27,459 --> 00:20:29,728

OR MAYBE EVEN FOR NASA.

666

00:20:29,728 --> 00:20:30,562

SO NO MATTER WHERE

667

00:20:30,562 --> 00:20:31,997

YOUR FUTURE LEADS YOU,

668

00:20:31,997 --> 00:20:33,231

I ENCOURAGE EACH

669

00:20:33,231 --> 00:20:34,333

AND EVERY ONE OF YOU

670

00:20:34,333 --> 00:20:35,334

TO NOT LOSE YOUR SENSE

671

00:20:35,334 --> 00:20:36,435

OF PURPOSE THAT

672

00:20:36,435 --> 00:20:37,736

LEAD YOU HERE TODAY.

673

00:20:37,736 --> 00:20:38,737

I HOPE YOU STAY INVOLVED

674

00:20:38,737 --> 00:20:40,872

IN STEM-- AFTER ALL,

675

00:20:40,872 --> 00:20:42,007

YOU ARE THE SCIENTISTS,

676
00:20:42,007 --> 00:20:42,908
THE ENGINEERS,

677
00:20:42,908 --> 00:20:44,076
THE TECHNICIANS,

678
00:20:44,076 --> 00:20:45,410
THE EXPLORERS

679
00:20:45,410 --> 00:20:46,478
WHO WILL CARRY ON OUR MISSION

680
00:20:46,478 --> 00:20:47,379
OF EXPLORATION

681
00:20:47,379 --> 00:20:49,748
IN DECADES TO COME.

682
00:20:49,748 --> 00:20:50,782
IN CLOSING, I WANNA GIVE

683
00:20:50,782 --> 00:20:53,719
A BIG THANKS TO THE MENTORS,

684
00:20:53,719 --> 00:20:55,087
THE FACULTY ADVISORS,

685
00:20:55,087 --> 00:20:56,054
AND THE TEACHERS

686
00:20:56,054 --> 00:20:57,990
WHO HELPED EACH TEAM.

687
00:20:57,990 --> 00:20:58,790
WITHOUT YOU,

688
00:20:58,790 --> 00:21:00,125

WE COULD NOT DO IT.

689

00:21:00,125 --> 00:21:00,959

THANK YOU FOR YOUR

690

00:21:00,959 --> 00:21:02,194

CONTRIBUTIONS,

691

00:21:02,194 --> 00:21:04,162

NOT ONLY EVERY DAY

692

00:21:04,162 --> 00:21:05,564

AND THIS YEAR

693

00:21:05,564 --> 00:21:06,331

BUT WHAT YOU

694

00:21:06,331 --> 00:21:07,165

TO MAKE A DIFFERENCE

695

00:21:07,165 --> 00:21:09,134

IN EACH PERSON'S LIFE.

696

00:21:09,134 --> 00:21:10,402

YOU ARE DEFINITELY

697

00:21:10,402 --> 00:21:12,537

A KEY PART OF THIS

698

00:21:12,537 --> 00:21:13,572

AND YOU SHOULD BE PROUD

699

00:21:13,572 --> 00:21:16,041

OF YOUR SUCCESS THIS YEAR, TOO.

700

00:21:16,041 --> 00:21:17,976

IT DID NOT GO UNNOTICED.

701
00:21:17,976 --> 00:21:19,745
SO NOW, I'D LIKE TO GO TO

702
00:21:19,745 --> 00:21:22,080
THE FUN PART, WHICH IS

703
00:21:22,080 --> 00:21:24,850
IT'S TIME FOR AWARDS

704
00:21:24,850 --> 00:21:25,617
AND I HAVE

705
00:21:25,617 --> 00:21:27,352
THE GREAT OPPORTUNITY

706
00:21:27,352 --> 00:21:28,320
OF BEING THE FIRST ONE

707
00:21:28,320 --> 00:21:29,154
TO GET TO PRESENT

708
00:21:29,154 --> 00:21:30,756
ONE OF THE AWARDS.

709
00:21:30,756 --> 00:21:32,824
SO, I'D LIKE TO START.

710
00:21:32,824 --> 00:21:35,260
SO, THE FIRST AWARD

711
00:21:35,260 --> 00:21:36,695
I GET TO PRESENT

712
00:21:36,695 --> 00:21:40,265
IS THE PROJECT REVIEW AWARD.

713
00:21:40,265 --> 00:21:41,166

THIS YEAR, THE HUMAN

714

00:21:41,166 --> 00:21:42,934

EXPLORATION ROVER CHALLENGE

715

00:21:42,934 --> 00:21:44,403

INTRODUCED THE REQUIREMENT

716

00:21:44,403 --> 00:21:45,671

OF TECHNICAL REPORTS

717

00:21:45,671 --> 00:21:47,773

AND PRESENTATIONS.

718

00:21:47,773 --> 00:21:49,007

THE PROJECT REVIEW AWARD

719

00:21:49,007 --> 00:21:51,143

RECOGNIZED EXCELLENCY

720

00:21:51,143 --> 00:21:53,812

ON DESIGN, REVIEW,

721

00:21:53,812 --> 00:21:55,380

AND OPERATIONAL READINESS

722

00:21:55,380 --> 00:21:57,449

REVIEW AND REPORTS.

723

00:21:57,449 --> 00:21:58,550

THE WINNING TEAMS

724

00:21:58,550 --> 00:22:00,052

ADDRESSED VARIOUS ASPECTS

725

00:22:00,052 --> 00:22:01,286

OF THEIR ENTIRE PLAN

726

00:22:01,286 --> 00:22:02,854

FROM START TO FINISH,

727

00:22:02,854 --> 00:22:05,057

TO INCLUDE ROVER DESIGN,

728

00:22:05,057 --> 00:22:06,992

CONSTRUCTION AND TESTING,

729

00:22:06,992 --> 00:22:08,360

TECHNICAL CHALLENGES,

730

00:22:08,360 --> 00:22:10,295

AND COURSE CORRECTIONS.

731

00:22:10,295 --> 00:22:12,030

THEY ALSO INCLUDED BUDGET

732

00:22:12,030 --> 00:22:13,198

AND SCHEDULE MANAGEMENT

733

00:22:13,198 --> 00:22:14,866

ALONG WITH TEAM BIOS

734

00:22:14,866 --> 00:22:18,070

AND STEM ENGAGEMENT ACTIVITIES.

735

00:22:18,070 --> 00:22:19,504

THIS YEAR'S WINNING TEAMS

736

00:22:19,504 --> 00:22:20,872

DEMONSTRATED THEIR KNOWLEDGE

737

00:22:20,872 --> 00:22:23,008

OF THE ENGINEERING PROCESS

738

00:22:23,008 --> 00:22:24,142

AND THEIR TECHNICAL REPORT

739

00:22:24,142 --> 00:22:25,010

REQUIREMENTS

740

00:22:25,010 --> 00:22:26,812

WHILE COMMUNICATING IN A WAY

741

00:22:26,812 --> 00:22:28,413

THAT PROVIDED INSIGHT

742

00:22:28,413 --> 00:22:29,681

TO HOW THEIR EVOLUTION

743

00:22:29,681 --> 00:22:30,449

THROUGHOUT THE YEAR

744

00:22:30,449 --> 00:22:31,583

WAS SHAPED

745

00:22:31,583 --> 00:22:32,484

BY THE CONTRIBUTIONS

746

00:22:32,484 --> 00:22:36,188

OF EACH MEMBER OF THE TEAM.

747

00:22:36,188 --> 00:22:37,656

THE WINNER OF THIS YEAR'S

748

00:22:37,656 --> 00:22:39,491

PROJECT REVIEW AWARD IN

749

00:22:39,491 --> 00:22:41,626

THE HIGH SCHOOL DIVISIONS

750

00:22:41,626 --> 00:22:43,528

DEMONSTRATED THAT CONTINUED

751
00:22:43,528 --> 00:22:45,697
HARD WORK AND DEDICATION

752
00:22:45,697 --> 00:22:47,165
IS A TOP OBJECTIVE

753
00:22:47,165 --> 00:22:49,267
IN THEIR ENGINEERING DESIGN,

754
00:22:49,267 --> 00:22:50,268
THEIR PROCESS THROUGH

755
00:22:50,268 --> 00:22:52,003
AN INCREASED IN DESIGN

756
00:22:52,003 --> 00:22:53,538
JUSTIFICATIONS,

757
00:22:53,538 --> 00:22:55,207
THEIR GRAPHICAL EVIDENCE,

758
00:22:55,207 --> 00:22:57,976
AND IMPROVED TECHNICAL WRITING.

759
00:22:57,976 --> 00:22:59,778
THEY ALSO HAD THE GREATEST

760
00:22:59,778 --> 00:23:03,014
OVERALL REVIEW SCORE.

761
00:23:03,014 --> 00:23:05,150
THIS YEAR'S HIGH SCHOOL

762
00:23:05,150 --> 00:23:07,519
DIVISION PROJECT REVIEW

763
00:23:07,519 --> 00:23:11,523

AWARD WINNER IS--

764

00:23:11,523 --> 00:23:12,991

DRUM ROLL--

765

00:23:12,991 --> 00:23:14,793

THE PARISH EPISCOPAL

766

00:23:14,793 --> 00:23:16,261

SCHOOL TEAM 1

767

00:23:16,261 --> 00:23:19,064

FROM DALLAS, TEXAS.

768

00:23:19,064 --> 00:23:20,665

LET'S GIVE THEM ALL APPLAUSE.

769

00:23:20,665 --> 00:23:23,101

[CLAPPING]

770

00:23:23,101 --> 00:23:26,271

CONGRATULATIONS.

771

00:23:26,271 --> 00:23:27,272

IF WE WERE THERE,

772

00:23:27,272 --> 00:23:28,273

HOPEFULLY I'D BE SEEING YOU

773

00:23:28,273 --> 00:23:30,008

JUMP UP AND SCREAM,

774

00:23:30,008 --> 00:23:31,443

SO CONGRATULATIONS.

775

00:23:34,012 --> 00:23:35,514

THIS YEAR'S WINNER

776
00:23:35,514 --> 00:23:36,948
OF THE PROJECT REVIEW BOARD

777
00:23:36,948 --> 00:23:38,216
IN THE COLLEGE

778
00:23:38,216 --> 00:23:40,452
AND UNIVERSITY DIVISION

779
00:23:40,452 --> 00:23:42,154
WITH IMPRESSIVE REPORTING,

780
00:23:42,154 --> 00:23:43,021
SPECIFICALLY

781
00:23:43,021 --> 00:23:45,590
IN THE VEHICLE CRITERIA

782
00:23:45,590 --> 00:23:47,526
AND TASK AND MISSION COMPONENT

783
00:23:47,526 --> 00:23:51,696
CATEGORY IS-- DRUM ROLL--

784
00:23:51,696 --> 00:23:53,532
THE CAMPBELL UNIVERSITY

785
00:23:53,532 --> 00:23:54,866
FROM BUIES CREEK,

786
00:23:54,866 --> 00:23:58,203
NORTH CAROLINA.

787
00:23:58,203 --> 00:24:00,839
CONGRATULATIONS.

788
00:24:00,839 --> 00:24:02,140

APPLAUSE FOR YOU, TOO.

789

00:24:02,140 --> 00:24:03,141
[CLAPPING]

790

00:24:03,141 --> 00:24:04,176
CONGRATULATIONS

791

00:24:04,176 --> 00:24:05,577
ON YOUR HARD WORK

792

00:24:05,577 --> 00:24:08,413
AND THANK YOU SO MUCH.

793

00:24:12,551 --> 00:24:14,686
>> HELLO.

794

00:24:14,686 --> 00:24:16,555
MY NAME IS MARK RICHARDS

795

00:24:16,555 --> 00:24:17,956
AND I'M THE ACTING DIRECTOR

796

00:24:17,956 --> 00:24:18,857
OF MARSHALL SPACE

797

00:24:18,857 --> 00:24:20,225
FLIGHT CENTER'S OFFICE

798

00:24:20,225 --> 00:24:21,693
OF STRATEGIC ANALYSIS

799

00:24:21,693 --> 00:24:23,094
AND COMMUNICATIONS.

800

00:24:24,629 --> 00:24:26,064
I'M EXCITED TO PRESENT

801
00:24:26,064 --> 00:24:27,999
THIS YEAR'S SOCIAL MEDIA AWARD.

802
00:24:29,234 --> 00:24:31,236
SOCIAL MEDIA IS AN EXCELLENT

803
00:24:31,236 --> 00:24:33,004
PLATFORM THAT PROVIDES

804
00:24:33,004 --> 00:24:34,773
OPPORTUNITIES FOR TEENS

805
00:24:34,773 --> 00:24:35,941
TO SHOWCASE

806
00:24:35,941 --> 00:24:38,043
THEIR ONGOING PROJECTS

807
00:24:38,043 --> 00:24:39,077
AND TEAM SPIRIT

808
00:24:39,077 --> 00:24:41,880
THROUGH PUBLIC ENGAGEMENT.

809
00:24:41,880 --> 00:24:43,782
TEAM'S USE SOCIAL MEDIA

810
00:24:43,782 --> 00:24:45,350
ACCOUNTS TO CONNECT WITH

811
00:24:45,350 --> 00:24:46,785
THEIR COMMUNITIES

812
00:24:46,785 --> 00:24:47,953
AND TO GIVE A GLIMPSE

813
00:24:47,953 --> 00:24:51,623

OF THE FUN OF HERC.

814

00:24:51,623 --> 00:24:53,225

THIS YEAR'S WINNERS

815

00:24:53,225 --> 00:24:54,593

LITERALLY OPENED THE DOORS

816

00:24:54,593 --> 00:24:56,728

OF THEIR LABS VIRTUALLY

817

00:24:56,728 --> 00:24:57,829

AND INVITED IN

818

00:24:57,829 --> 00:24:59,998

THEIR AUDIENCES.

819

00:24:59,998 --> 00:25:01,533

FROM DESIGN PLANNING

820

00:25:01,533 --> 00:25:03,468

TO BUILDING AND TESTING,

821

00:25:03,468 --> 00:25:07,906

WE WERE ABLE TO SEE IT ALL.

822

00:25:07,906 --> 00:25:09,341

THE WINNER OF

823

00:25:09,341 --> 00:25:10,842

THE HIGH SCHOOL DIVISION

824

00:25:10,842 --> 00:25:13,011

POSTED THEIR DESIGN JOURNEY

825

00:25:13,011 --> 00:25:15,614

WITH TESTING TUESDAYS,

826

00:25:15,614 --> 00:25:17,315

TEACHER FEATURES,

827

00:25:17,315 --> 00:25:18,650

AND HIGHLIGHTS OF CURRENT

828

00:25:18,650 --> 00:25:22,821

NASA MISSIONS AND PROJECTS.

829

00:25:22,821 --> 00:25:24,489

THIS YEAR'S HIGH SCHOOL

830

00:25:24,489 --> 00:25:26,424

SOCIAL MEDIA AWARD WINNER

831

00:25:26,424 --> 00:25:31,596

IS PARISH EPISCOPAL SCHOOL

832

00:25:31,596 --> 00:25:35,533

TEAM 2 FROM DALLAS, TEXAS.

833

00:25:35,533 --> 00:25:37,235

CONGRATULATIONS.

834

00:25:43,842 --> 00:25:45,710

THIS YEAR'S COLLEGE/UNIVERSITY

835

00:25:45,710 --> 00:25:48,046

DIVISION WINNER TEAM TO--

836

00:25:48,046 --> 00:25:49,481

POSTED AT LEAST THREE TIMES

837

00:25:49,481 --> 00:25:51,416

A WEEK TO KEEP THE PUBLIC

838

00:25:51,416 --> 00:25:53,885

ENGAGED IN VARIOUS ASPECTS

839

00:25:53,885 --> 00:25:55,921
OF THEIR ROVER PROJECT,

840

00:25:55,921 --> 00:25:58,423
INCLUDING DESIGN ITERATION,

841

00:25:58,423 --> 00:26:00,792
TEAM MEMBER SPOTLIGHTS,

842

00:26:00,792 --> 00:26:01,626
AND CONNECTIONS

843

00:26:01,626 --> 00:26:03,628
TO STEM RELATED POSTS.

844

00:26:05,463 --> 00:26:06,898
THE WINNER OF

845

00:26:06,898 --> 00:26:08,233
THE COLLEGE/UNIVERSITY

846

00:26:08,233 --> 00:26:10,402
SOCIAL MEDIA AWARD

847

00:26:10,402 --> 00:26:14,539
IS UNIVERSIDAD NACIONAL

848

00:26:14,539 --> 00:26:16,374
DE COLOMBIA

849

00:26:16,374 --> 00:26:19,644
FROM BOGOTÁ, COLUMBIA.

850

00:26:19,644 --> 00:26:21,980
CONGRATULATIONS.

851
00:26:25,750 --> 00:26:26,918
>> HELLO, MY NAME IS

852
00:26:26,918 --> 00:26:28,653
SHAWN CVETEZAR

853
00:26:28,653 --> 00:26:30,121
AND I'M YOUR SPRING 2021

854
00:26:30,121 --> 00:26:32,257
HERC INTERN.

855
00:26:32,257 --> 00:26:32,991
I AM THRILLED TO PRESENT

856
00:26:32,991 --> 00:26:33,858
THIS YEAR'S

857
00:26:33,858 --> 00:26:35,427
SCIENCE, TECHNOLOGY,

858
00:26:35,427 --> 00:26:37,195
ENGINEERING, MATHEMATICS,

859
00:26:37,195 --> 00:26:39,431
OR STEM ENGAGEMENT AWARD.

860
00:26:39,431 --> 00:26:40,398
THIS STEM ENGAGEMENT AWARD

861
00:26:40,398 --> 00:26:41,766
PROVIDES TEAMS

862
00:26:41,766 --> 00:26:42,701
WITH AN OPPORTUNITY

863
00:26:42,701 --> 00:26:43,768

TO SHARE THEIR PASSION

864

00:26:43,768 --> 00:26:44,803

AND KNOWLEDGE WITH

865

00:26:44,803 --> 00:26:46,538

THE GOAL OF MOTIVATING OTHERS

866

00:26:46,538 --> 00:26:48,306

TO EXPLORE STEM OPPORTUNITIES

867

00:26:48,306 --> 00:26:50,709

IN THE FUTURE.

868

00:26:50,709 --> 00:26:51,609

EACH TEAM IS ASKED TO

869

00:26:51,609 --> 00:26:52,577

CONDUCT HANDS-ON

870

00:26:52,577 --> 00:26:54,179

INSTRUCTIONAL STEM ACTIVITIES

871

00:26:54,179 --> 00:26:55,613

WITH AT LEAST 200 PARTICIPANTS

872

00:26:55,613 --> 00:26:56,481

THROUGH AN IN-PERSON

873

00:26:56,481 --> 00:26:58,583

OR ONLINE ENGAGEMENT.

874

00:26:58,583 --> 00:26:59,617

TEAMS ARE JUDGED NOT ONLY

875

00:26:59,617 --> 00:27:00,719

ON THE NUMBER OF STUDENTS

876
00:27:00,719 --> 00:27:01,653
THEY'VE REACHED

877
00:27:01,653 --> 00:27:03,288
BUT ALSO THEIR CREATIVITY,

878
00:27:03,288 --> 00:27:04,823
ACTIVITY UNIQUENESS,

879
00:27:04,823 --> 00:27:05,757
AND ABILITY TO DEMONSTRATE

880
00:27:05,757 --> 00:27:07,692
THE IMPACT OF EACH ENGAGEMENT

881
00:27:07,692 --> 00:27:10,128
ON STUDENT LEARNING.

882
00:27:10,128 --> 00:27:11,162
THIS YEAR'S WINNER

883
00:27:11,162 --> 00:27:12,330
IN THE HIGH SCHOOL DIVISION

884
00:27:12,330 --> 00:27:12,931
IS A COMMUNITY

885
00:27:12,931 --> 00:27:14,065
STEM ENGAGEMENT PROGRAM

886
00:27:14,065 --> 00:27:15,400
IN AND OF ITSELF

887
00:27:15,400 --> 00:27:16,634
AS IT'S MADE UP OF STUDENTS

888
00:27:16,634 --> 00:27:17,769

FROM VARIOUS HIGH SCHOOLS

889

00:27:17,769 --> 00:27:19,738

IN THE AREA.

890

00:27:19,738 --> 00:27:20,605

FOR THEIR HERC

891

00:27:20,605 --> 00:27:22,574

STEM ENGAGEMENT ACTIVITY

892

00:27:22,574 --> 00:27:23,508

THEY TOOK THE ROVER

893

00:27:23,508 --> 00:27:24,676

TO A LOCAL PLANETARIUM

894

00:27:24,676 --> 00:27:25,243

ON THE DAY OF

895

00:27:25,243 --> 00:27:27,278

THE PERSEVERANCE LANDING.

896

00:27:27,278 --> 00:27:28,146

WHILE THERE,

897

00:27:28,146 --> 00:27:30,148

THEY DID VEHICLE DYNAMIC,

898

00:27:30,148 --> 00:27:31,383

DEMONSTRATIONS,

899

00:27:31,383 --> 00:27:32,817

WITH OVER 400 STUDENTS

900

00:27:32,817 --> 00:27:34,953

AND PARENTS WHO CAME TO WATCH

901
00:27:34,953 --> 00:27:37,822
THE MARS LANDING LIVE.

902
00:27:37,822 --> 00:27:38,990
THIS YEAR'S HIGH SCHOOL

903
00:27:38,990 --> 00:27:40,191
STEM ENGAGEMENT AWARD WINNER

904
00:27:40,191 --> 00:27:42,727
IS VISION BUILDER ADVENTURES

905
00:27:42,727 --> 00:27:44,829
FROM CHARLOTTE, NORTH CAROLINA.

906
00:27:44,829 --> 00:27:47,932
CONGRATULATIONS.

907
00:27:47,932 --> 00:27:48,867
IN THE COLLEGE/UNIVERSITY

908
00:27:48,867 --> 00:27:49,801
DIVISION

909
00:27:49,801 --> 00:27:50,969
THIS YEAR'S WINNER CREATED

910
00:27:50,969 --> 00:27:52,203
A SPACE-THEMED VIRTUAL

911
00:27:52,203 --> 00:27:53,905
STEM EDUCATION WORKSHOP

912
00:27:53,905 --> 00:27:54,706
FOR STUDENTS IN

913
00:27:54,706 --> 00:27:57,075

EIGHT DIFFERENT COUNTRIES.

914

00:27:57,075 --> 00:27:58,309

ITS STORYTELLING BASED

915

00:27:58,309 --> 00:27:59,911

MARS RESCUE MISSION

916

00:27:59,911 --> 00:28:01,713

WITH THREE DIFFERENT SESSIONS

917

00:28:01,713 --> 00:28:02,714

THAT ENGAGED STUDENTS

918

00:28:02,714 --> 00:28:05,050

IN TECHNICAL PROBLEM SOLVING,

919

00:28:05,050 --> 00:28:05,750

ENGINEERING AND

920

00:28:05,750 --> 00:28:07,118

ACTIVE LISTENING SKILLS

921

00:28:07,118 --> 00:28:08,553

THAT ACCUMULATED AND

922

00:28:08,553 --> 00:28:09,754

WITH STUDENTS DESIGNING

923

00:28:09,754 --> 00:28:11,256

AND BUILDING DIFFERENT ASPECTS

924

00:28:11,256 --> 00:28:12,190

OF A ROVER

925

00:28:12,190 --> 00:28:14,759

TO AID IN RESCUE MISSION.

926
00:28:14,759 --> 00:28:15,693
PARTICIPATING STUDENTS

927
00:28:15,693 --> 00:28:18,997
ALSO DESIGNED MISSION PATCHES.

928
00:28:18,997 --> 00:28:19,864
THIS YEAR'S

929
00:28:19,864 --> 00:28:21,633
COLLEGE/UNIVERSITY DIVISION

930
00:28:21,633 --> 00:28:23,001
OF THE STEM ENGAGEMENT AWARD

931
00:28:23,001 --> 00:28:25,470
GOES TO TECNOLÓGICO

932
00:28:25,470 --> 00:28:26,638
DE MONTERREY

933
00:28:26,638 --> 00:28:29,507
FROM XOCHITEPEC, MEXICO.

934
00:28:29,507 --> 00:28:31,776
CONGRATULATIONS.

935
00:28:31,776 --> 00:28:33,078
>> HELLO.

936
00:28:33,078 --> 00:28:34,245
I'M DR. RUTH JONES,

937
00:28:34,245 --> 00:28:34,846
THE INDUSTRIAL

938
00:28:34,846 --> 00:28:36,114

SAFETY BRANCH CHIEF FOR

939

00:28:36,114 --> 00:28:37,916

MARSHALL SPACE FLIGHT CENTER.

940

00:28:37,916 --> 00:28:39,017

I AM HONORED TO PRESENT

941

00:28:39,017 --> 00:28:40,785

THE SAFETY AWARD ON BEHALF OF

942

00:28:40,785 --> 00:28:42,320

PROFESSIONALS DEDICATED TO

943

00:28:42,320 --> 00:28:45,023

THE SAFETY OF SYSTEMS, PRODUCTS,

944

00:28:45,023 --> 00:28:46,658

AND SERVICES.

945

00:28:46,658 --> 00:28:48,226

THIS AWARD RECOGNIZES THE TEAM

946

00:28:48,226 --> 00:28:49,227

AT EACH DIVISION

947

00:28:49,227 --> 00:28:50,462

THAT BEST DEMONSTRATED

948

00:28:50,462 --> 00:28:52,097

A COMPREHENSIVE APPROACH

949

00:28:52,097 --> 00:28:53,498

TO SYSTEM SAFETY

950

00:28:53,498 --> 00:28:55,433

AS IT RELATES TO THE VEHICLE,

951
00:28:55,433 --> 00:28:57,836
PERSONNEL, AND OPERATIONS.

952
00:28:57,836 --> 00:28:59,137
THIS YEAR'S WINNING TEAMS

953
00:28:59,137 --> 00:29:00,572
DEMONSTRATED THE SAFETY NEEDED

954
00:29:00,572 --> 00:29:01,806
TO BE INCORPORATED

955
00:29:01,806 --> 00:29:03,541
INTO THE ROVER DESIGN

956
00:29:03,541 --> 00:29:04,776
RATHER THAN ADD IT ON

957
00:29:04,776 --> 00:29:06,611
AS AN AFTERTHOUGHT.

958
00:29:06,611 --> 00:29:07,412
THEY FOCUSED ON

959
00:29:07,412 --> 00:29:09,114
PERSONAL HAZARD ANALYSIS

960
00:29:09,114 --> 00:29:10,148
AND FAILURE MODES

961
00:29:10,148 --> 00:29:12,083
AND EFFECTIVE ANALYSIS.

962
00:29:12,083 --> 00:29:13,151
WITH THESE ANALYSIS

963
00:29:13,151 --> 00:29:14,352

THEY IDENTIFIED AND

964

00:29:14,352 --> 00:29:16,221

CHARACTERIZED THE HAZARDS

965

00:29:16,221 --> 00:29:17,422

POSED BY THE SYSTEM

966

00:29:17,422 --> 00:29:19,557

AND ITS OPERATIONS.

967

00:29:19,557 --> 00:29:20,992

THIS YEAR'S WINNING TEAMS

968

00:29:20,992 --> 00:29:21,826

DID AN ENV--

969

00:29:21,826 --> 00:29:23,962

DID AN ENTIRE HAZARD ANALYSIS

970

00:29:23,962 --> 00:29:25,163

OF NOT ONLY THE AREA

971

00:29:25,163 --> 00:29:27,132

OF SAFETY THAT COULD BE

972

00:29:27,132 --> 00:29:29,100

IMPROVED UPON THE DEV,

973

00:29:29,100 --> 00:29:30,635

BUT THEY DELVED INTO THE SEAT

974

00:29:30,635 --> 00:29:32,170

AND PEDAL ERGONOMICS

975

00:29:32,170 --> 00:29:32,704

TO MAKE

976
00:29:32,704 --> 00:29:34,072
THE MOST EFFICIENT DESIGN

977
00:29:34,072 --> 00:29:35,707
FOR THEIR DRIVERS.

978
00:29:35,707 --> 00:29:38,076
BY DEFINING THE CHALLENGES

979
00:29:38,076 --> 00:29:39,878
AND SUMMARIZING THE RISK,

980
00:29:39,878 --> 00:29:41,012
THE TEAMS WORKED TO MAKE

981
00:29:41,012 --> 00:29:42,380
SIGNIFICANT ENHANCEMENTS

982
00:29:42,380 --> 00:29:43,281
TO THEIR ROVER

983
00:29:43,281 --> 00:29:44,549
FOR AN OVERALL SAFE

984
00:29:44,549 --> 00:29:46,918
AND COMFORTABLE EXPERIENCE.

985
00:29:46,918 --> 00:29:48,453
THE WINNER OF THE SAFETY AWARD

986
00:29:48,453 --> 00:29:50,622
IN THE HIGH SCHOOL DIVISION

987
00:29:50,622 --> 00:29:52,924
WOWED THE HERC JUDGES

988
00:29:52,924 --> 00:29:53,691

AND STAFF WITH

989

00:29:53,691 --> 00:29:54,659

THEIR SAFETY AND

990

00:29:54,659 --> 00:29:56,561

MITIGATIONS HANDBOOK

991

00:29:56,561 --> 00:29:57,562

AND THEIR EXTENSIVE

992

00:29:57,562 --> 00:30:00,632

SAFETY ANALYSIS.

993

00:30:00,632 --> 00:30:01,332

THE WINNER FOR

994

00:30:01,332 --> 00:30:03,101

THE HIGH SCHOOL DIVISION

995

00:30:03,101 --> 00:30:06,171

IS ACADEMY OF ARTS, CAREER,

996

00:30:06,171 --> 00:30:07,105

AND TECHNOLOGY

997

00:30:07,105 --> 00:30:08,606

FROM RENO, NEVADA.

998

00:30:08,606 --> 00:30:11,142

CONGRATULATIONS.

999

00:30:13,745 --> 00:30:15,180

THIS YEAR'S SAFETY AWARD WINNER

1000

00:30:15,180 --> 00:30:16,781

IN THE COLLEGE/UNIVERSITY

1001
00:30:16,781 --> 00:30:17,815
DIVISION

1002
00:30:17,815 --> 00:30:18,850
SHOWED THE JUDGES

1003
00:30:18,850 --> 00:30:19,918
THEY HAVE A CLEAR

1004
00:30:19,918 --> 00:30:21,252
AND STRONG UNDERSTANDING

1005
00:30:21,252 --> 00:30:23,221
OF FAILURE MODES AND ANALYSIS,

1006
00:30:23,221 --> 00:30:26,157
AS WELL AS RISK

1007
00:30:26,157 --> 00:30:27,458
AND HAZARD ANALYSIS WITH

1008
00:30:27,458 --> 00:30:29,194
THEIR ALL-ENCOMPASSING CHART

1009
00:30:29,194 --> 00:30:30,562
AND CHECKLISTS.

1010
00:30:30,562 --> 00:30:31,529
THIS YEAR'S WINNER FOR

1011
00:30:31,529 --> 00:30:33,965
THE COLLEGE AND UNIVERSITIES--

1012
00:30:33,965 --> 00:30:36,201
UNIVERSITY IS AMITY UNIVERSITY

1013
00:30:36,201 --> 00:30:39,370

FROM UTTAR PRADESH, INDIA.

1014

00:30:39,370 --> 00:30:42,507

CONGRATULATIONS.

1015

00:30:44,242 --> 00:30:47,245

>> YEAH, YEAH.

1016

00:30:51,349 --> 00:30:52,116

>> HELLO, MY NAME

1017

00:30:52,116 --> 00:30:53,618

IS CATHERINE SHELTON.

1018

00:30:53,618 --> 00:30:54,352

I AM THE HERC

1019

00:30:54,352 --> 00:30:55,486

ACTIVITY COORDINATOR

1020

00:30:55,486 --> 00:30:57,055

AND I AM PLEASED TO PRESENT

1021

00:30:57,055 --> 00:30:58,690

THE PHOENIX AWARD.

1022

00:30:58,690 --> 00:30:59,591

AS YOU MAY KNOW

1023

00:30:59,591 --> 00:31:00,925

FROM CLASSICAL MYTHOLOGY

1024

00:31:00,925 --> 00:31:02,527

THE PHOENIX IS REBORN

1025

00:31:02,527 --> 00:31:03,928

BY RISING FROM THE ASHES

1026
00:31:03,928 --> 00:31:05,496
OF ITS PREDECESSOR.

1027
00:31:05,496 --> 00:31:07,765
THIS AWARD IS GIVEN TO THE TEAMS

1028
00:31:07,765 --> 00:31:09,467
WHO RAISED THEIR SCORES

1029
00:31:09,467 --> 00:31:10,902
WITH THE GREATEST IMPROVEMENT

1030
00:31:10,902 --> 00:31:12,136
FROM THEIR DESIGN REVIEWS

1031
00:31:12,136 --> 00:31:12,971
TO THEIR OPERATIONAL

1032
00:31:12,971 --> 00:31:14,706
READINESS REVIEWS.

1033
00:31:14,706 --> 00:31:15,940
THESE TEAMS IMPLEMENTED

1034
00:31:15,940 --> 00:31:17,175
FEEDBACK PROVIDED

1035
00:31:17,175 --> 00:31:19,110
BY NASA'S SUBJECT MATTER EXPERTS

1036
00:31:19,110 --> 00:31:19,811
DURING THEIR

1037
00:31:19,811 --> 00:31:21,779
DESIGN REVIEW PRESENTATIONS

1038
00:31:21,779 --> 00:31:23,047

TO TAKE THEIR OPERATIONAL

1039

00:31:23,047 --> 00:31:24,015

READINESS REVIEWS

1040

00:31:24,015 --> 00:31:26,317

TO THE NEXT LEVEL.

1041

00:31:26,317 --> 00:31:27,685

THEY DID THIS BY SHOWING

1042

00:31:27,685 --> 00:31:28,720

A DEEPER KNOWLEDGE OF

1043

00:31:28,720 --> 00:31:30,622

THE ENGINEERING DESIGN PROCESS

1044

00:31:30,622 --> 00:31:32,023

THROUGH THEIR EXPLANATIONS

1045

00:31:32,023 --> 00:31:35,260

OF DESIGN MODIFICATIONS, BUILDS,

1046

00:31:35,260 --> 00:31:36,427

AND ROVER COMPONENTS

1047

00:31:36,427 --> 00:31:38,630

AND TASK TOOL TESTING.

1048

00:31:38,630 --> 00:31:39,964

THIS YEAR'S WINNING TEAMS

1049

00:31:39,964 --> 00:31:41,566

DEMONSTRATED GROWTH,

1050

00:31:41,566 --> 00:31:42,567

AND UNDERSTANDING

1051
00:31:42,567 --> 00:31:43,801
OF MISSION READINESS,

1052
00:31:43,801 --> 00:31:45,503
PERFORMANCE PREDICTIONS,

1053
00:31:45,503 --> 00:31:46,504
PROJECT PLANS,

1054
00:31:46,504 --> 00:31:49,641
AND OVERALL PROJECT MANAGEMENT.

1055
00:31:49,641 --> 00:31:51,342
THIS YEAR'S WINNER OF

1056
00:31:51,342 --> 00:31:52,443
THE PHOENIX AWARD

1057
00:31:52,443 --> 00:31:54,212
IN THE HIGH SCHOOL DIVISION

1058
00:31:54,212 --> 00:31:56,247
IS ACADEMY OF ARTS,

1059
00:31:56,247 --> 00:31:57,982
CAREERS, & TECHNOLOGY

1060
00:31:57,982 --> 00:32:01,552
FROM RENO, NEVADA.

1061
00:32:09,494 --> 00:32:10,895
THE WINNER OF THE PHOENIX AWARD

1062
00:32:10,895 --> 00:32:12,196
IN THE COLLEGE/UNIVERSITY

1063
00:32:12,196 --> 00:32:13,331

DIVISION

1064

00:32:13,331 --> 00:32:17,368

IS KIET GROUPS OF INSTITUTIONS

1065

00:32:17,368 --> 00:32:21,306

FROM UTTAR PRADESH, INDIA.

1066

00:32:32,750 --> 00:32:34,886

>> HI, MY NAME IS LOGAN KENNEDY

1067

00:32:34,886 --> 00:32:36,554

AND I AM THE SURFACE LEAD

1068

00:32:36,554 --> 00:32:38,589

FOR THE HUMAN LANDING SYSTEM.

1069

00:32:38,589 --> 00:32:39,857

I'M HONORED TO PRESENT

1070

00:32:39,857 --> 00:32:40,425

THIS YEAR'S

1071

00:32:40,425 --> 00:32:41,826

TASK CHALLENGE AWARD,

1072

00:32:41,826 --> 00:32:43,127

ESPECIALLY BECAUSE

1073

00:32:43,127 --> 00:32:43,995

AS ONE OF THE PEOPLE

1074

00:32:43,995 --> 00:32:45,063

PLANNING WHAT WE'RE GOING TO DO

1075

00:32:45,063 --> 00:32:46,297

ON THE SURFACE OF THE MOON

1076
00:32:46,297 --> 00:32:47,398
THIS TYPE OF TOOL

1077
00:32:47,398 --> 00:32:48,466
AND THIS TYPE OF CHALLENGE

1078
00:32:48,466 --> 00:32:50,435
IS RIGHT UP MY ALLEY.

1079
00:32:50,435 --> 00:32:51,836
THE TASK CHALLENGE AWARD

1080
00:32:51,836 --> 00:32:52,603
IS GIVEN TO THE TEAM

1081
00:32:52,603 --> 00:32:53,538
IN EACH DIVISION

1082
00:32:53,538 --> 00:32:54,505
WHO BEST DEMONSTRATES

1083
00:32:54,505 --> 00:32:56,441
A 3D PRINTED TOOL DESIGN

1084
00:32:56,441 --> 00:32:57,108
FOR THE LIQUID

1085
00:32:57,108 --> 00:32:58,843
SAMPLE RETRIEVAL TASK.

1086
00:32:58,843 --> 00:32:59,877
3D MANUFACTURING

1087
00:32:59,877 --> 00:33:01,012
CREATES AN INEXPENSIVE

1088
00:33:01,012 --> 00:33:02,180

AND EFFICIENT WAY

1089

00:33:02,180 --> 00:33:03,214

TO RAPIDLY MANUFACTURE

1090

00:33:03,214 --> 00:33:05,483

COMPONENTS ONSITE AS NEEDED

1091

00:33:05,483 --> 00:33:06,451

RATHER THAN WAITING FOR THEM

1092

00:33:06,451 --> 00:33:07,985

TO BE SHIPPED AS CARGO.

1093

00:33:07,985 --> 00:33:09,287

TESTING POTENTIAL LUNAR

1094

00:33:09,287 --> 00:33:10,421

AND MARTIAN ROVER

1095

00:33:10,421 --> 00:33:12,357

SAMPLE RETRIEVAL TOOLS ON EARTH

1096

00:33:12,357 --> 00:33:13,024

WILL HELP IMPROVE

1097

00:33:13,024 --> 00:33:14,225

3D MANUFACTURING FOR

1098

00:33:14,225 --> 00:33:16,327

FUTURE ARTEMIS SPACE MISSIONS.

1099

00:33:16,327 --> 00:33:17,829

IN THE HIGH SCHOOL DIVISION

1100

00:33:17,829 --> 00:33:19,397

ONE TEAM STOOD OUT FROM THE REST

1101
00:33:19,397 --> 00:33:20,231
WITH THEIR CREATIVE

1102
00:33:20,231 --> 00:33:22,467
AND SIMPLE MODULAR 3D PRINTED

1103
00:33:22,467 --> 00:33:24,435
SYRINGE HOLDER DESIGN

1104
00:33:24,435 --> 00:33:25,737
TO EFFECTIVELY CAPTURE

1105
00:33:25,737 --> 00:33:27,805
THREE LIQUID SAMPLES EFFICIENTLY

1106
00:33:27,805 --> 00:33:28,573
WITHOUT RISK OF

1107
00:33:28,573 --> 00:33:30,208
CROSS CONTAMINATION.

1108
00:33:30,208 --> 00:33:30,975
IT WAS EQUIPPED WITH

1109
00:33:30,975 --> 00:33:32,310
AN ADJUSTABLE LENGTH

1110
00:33:32,310 --> 00:33:33,177
AND ACCOMPANIED BY

1111
00:33:33,177 --> 00:33:35,480
A COMPREHENSIVE TASK VIDEO.

1112
00:33:35,480 --> 00:33:36,948
THIS YEAR'S TASK CHALLENGE AWARD

1113
00:33:36,948 --> 00:33:38,449

FOR THE HIGH SCHOOL DIVISION

1114

00:33:38,449 --> 00:33:40,685
GOES TO LICEO CIENTIFICO

1115

00:33:40,685 --> 00:33:42,954
DR. MIGUEL CANELA LÁZARO

1116

00:33:42,954 --> 00:33:44,122
FROM SALCEDO

1117

00:33:44,122 --> 00:33:47,125
IN THE DOMINICAN REPUBLIC.

1118

00:33:47,125 --> 00:33:49,026
[CLAPPING]

1119

00:33:49,026 --> 00:33:51,462
CONGRATULATIONS.

1120

00:33:51,462 --> 00:33:52,196
THE DESIGN OF

1121

00:33:52,196 --> 00:33:53,631
THE COLLEGE/UNIVERSITY

1122

00:33:53,631 --> 00:33:54,732
DIVISION WINNERS

1123

00:33:54,732 --> 00:33:55,666
INCLUDED MEASURES

1124

00:33:55,666 --> 00:33:57,368
TO ENSURE USER CONTROL,

1125

00:33:57,368 --> 00:33:59,504
CROSS CONTAMINATION MITIGATION,

1126
00:33:59,504 --> 00:34:00,738
AND 3D PRINTING SYSTEM

1127
00:34:00,738 --> 00:34:01,906
COMPATIBILITY

1128
00:34:01,906 --> 00:34:02,874
FOR THEIR LIQUID SAMPLE

1129
00:34:02,874 --> 00:34:04,409
COLLECTION SYSTEM.

1130
00:34:04,409 --> 00:34:05,209
WE APPLAUD THE WORK

1131
00:34:05,209 --> 00:34:05,843
OF THIS YEAR'S

1132
00:34:05,843 --> 00:34:07,445
TASK CHALLENGE AWARD WINNER IN

1133
00:34:07,445 --> 00:34:09,380
THE COLLEGE/UNIVERSITY DIVISION

1134
00:34:09,380 --> 00:34:10,581
TRINE UNIVERSITY

1135
00:34:10,581 --> 00:34:13,017
FROM ANGOLA, INDIANA.

1136
00:34:25,630 --> 00:34:26,531
>> HELLO AND GOOD MORNING,

1137
00:34:26,531 --> 00:34:27,565
EVERYONE.

1138
00:34:27,565 --> 00:34:29,834

MY NAME IS GREG CLEMENTS.

1139

00:34:29,834 --> 00:34:31,502

I'M THE HUMAN EXPLORATION

1140

00:34:31,502 --> 00:34:33,471

OPERATIONS MISSION DIRECTORATE

1141

00:34:33,471 --> 00:34:35,773

LIAISON WITHIN THE OFFICE OF

1142

00:34:35,773 --> 00:34:36,941

THE CHIEF TECHNOLOGIST

1143

00:34:36,941 --> 00:34:38,709

AT NASA HEADQUARTERS.

1144

00:34:38,709 --> 00:34:40,845

AS PART OF OCTs ROLE

1145

00:34:40,845 --> 00:34:42,146

AS BEING THE CHAMPIONS

1146

00:34:42,146 --> 00:34:44,549

OF INNOVATION ACROSS NASA

1147

00:34:44,549 --> 00:34:45,883

I'M HONORED TO PRESENT

1148

00:34:45,883 --> 00:34:49,120

THIS INGENUITY AWARD.

1149

00:34:49,120 --> 00:34:50,054

THIS IS THE FIRST YEAR

1150

00:34:50,054 --> 00:34:51,055

FOR THIS AWARD.

1151
00:34:51,055 --> 00:34:52,690
WE'RE VERY EXCITED TO

1152
00:34:52,690 --> 00:34:53,791
PRESENT THIS TO TEAMS

1153
00:34:53,791 --> 00:34:54,959
WHO IMPRESSED US

1154
00:34:54,959 --> 00:34:57,562
WITH ALL OF THEIR INGENUITY.

1155
00:34:57,562 --> 00:34:58,729
THE HUMAN EXPLORATION

1156
00:34:58,729 --> 00:34:59,897
ROVER CHALLENGE

1157
00:34:59,897 --> 00:35:02,033
REQUIRES THE ABILITY TO APPROACH

1158
00:35:02,033 --> 00:35:04,168
COMPLEX ENGINEERING PROBLEMS

1159
00:35:04,168 --> 00:35:06,938
IN UNIQUE AND CREATIVE WAYS.

1160
00:35:06,938 --> 00:35:07,939
OUR WINNING TEAMS

1161
00:35:07,939 --> 00:35:08,739
PRESENTED HERC

1162
00:35:08,739 --> 00:35:10,341
WITH INNOVATIVE WAYS

1163
00:35:10,341 --> 00:35:11,275

TO DESIGN AND

1164

00:35:11,275 --> 00:35:14,278

BUILD THE HUMAN POWERED ROVER.

1165

00:35:14,278 --> 00:35:15,813

WITH THE USE OF NONTRADITIONAL

1166

00:35:15,813 --> 00:35:17,582

MATERIALS, COMPONENTS,

1167

00:35:17,582 --> 00:35:19,684

MECHANICAL DESIGN SYSTEMS,

1168

00:35:19,684 --> 00:35:20,651

INGENUITY

1169

00:35:20,651 --> 00:35:24,789

WAS CLEARLY SEEN BY THE JUDGES.

1170

00:35:24,789 --> 00:35:26,591

SO, FOR THE HIGH SCHOOL DIVISION

1171

00:35:26,591 --> 00:35:28,860

WE PRESENT THE INGENUITY AWARD

1172

00:35:28,860 --> 00:35:30,428

TO A ROOKIE TEAM

1173

00:35:30,428 --> 00:35:31,596

WHO IMPRESSED THE JUDGES

1174

00:35:31,596 --> 00:35:33,264

WITH THEIR INNOVATIVE USE OF

1175

00:35:33,264 --> 00:35:35,333

OFF THE SHELF COMPONENTS,

1176
00:35:35,333 --> 00:35:37,301
OPINION GEARED DRIVE SYSTEM

1177
00:35:37,301 --> 00:35:38,736
AND AN EXPERTLY TUNED

1178
00:35:38,736 --> 00:35:40,872
SUSPENSION SYSTEM.

1179
00:35:40,872 --> 00:35:42,139
THE HIGH SCHOOL WINNER IS

1180
00:35:42,139 --> 00:35:44,275
STILLWATER AREA HIGH SCHOOL

1181
00:35:44,275 --> 00:35:46,477
FROM STILLWATER, MINNESOTA.

1182
00:35:46,477 --> 00:35:49,247
CONGRATULATIONS.

1183
00:35:54,619 --> 00:35:55,920
AND THIS YEAR'S WINNER IN

1184
00:35:55,920 --> 00:35:57,922
THE COLLEGE/UNIVERSITY DIVISION

1185
00:35:57,922 --> 00:35:59,557
PRESENTED US WITH THE UNIQUE

1186
00:35:59,557 --> 00:36:01,526
AND INNOVATIVE FRAME DESIGN

1187
00:36:01,526 --> 00:36:04,328
USING UNEXPECTED MATERIALS

1188
00:36:04,328 --> 00:36:05,596

AND A MODULAR SYSTEM

1189

00:36:05,596 --> 00:36:06,197
TO TACKLE

1190

00:36:06,197 --> 00:36:07,465
THE ENGINEERING CHALLENGE

1191

00:36:07,465 --> 00:36:08,232
OF A RIGID

1192

00:36:08,232 --> 00:36:11,802
AND LIGHTWEIGHT CHASSIS SYSTEM.

1193

00:36:11,802 --> 00:36:13,404
AND ANOTHER AWARD

1194

00:36:13,404 --> 00:36:14,739
IS BEING GIVEN TO

1195

00:36:14,739 --> 00:36:16,207
CAMPBELL UNIVERSITY

1196

00:36:16,207 --> 00:36:17,141
FROM BUIES CREEK,

1197

00:36:17,141 --> 00:36:18,976
NORTH CAROLINA.

1198

00:36:18,976 --> 00:36:20,978
CONGRATULATIONS.

1199

00:36:26,817 --> 00:36:28,152
>> HI, I'M JOE KUNER

1200

00:36:28,152 --> 00:36:30,154
WITH NASA'S MARSHALL TV

1201

00:36:30,154 --> 00:36:31,289

AND I'M HAPPY TO PRESENT

1202

00:36:31,289 --> 00:36:33,190

THIS YEAR'S VIDEOGRAPHY AWARD,

1203

00:36:33,190 --> 00:36:34,859

A FIRST EVER FOR HERC.

1204

00:36:34,859 --> 00:36:35,793

THE WINNERS WERE CHOSEN

1205

00:36:35,793 --> 00:36:37,695

BASED ON CERTAIN CRITERIA--

1206

00:36:37,695 --> 00:36:38,596

SHOT SELECTION,

1207

00:36:38,596 --> 00:36:40,565

CAMERA ANGLES, MUSIC CHOICE,

1208

00:36:40,565 --> 00:36:42,400

AND OVERALL EDITING.

1209

00:36:42,400 --> 00:36:43,434

THEY WERE JUDGED BASED ON

1210

00:36:43,434 --> 00:36:45,436

HOW WELL THEY ENGAGED THE VIEWER

1211

00:36:45,436 --> 00:36:46,103

WHILE CREATING

1212

00:36:46,103 --> 00:36:46,904

A TECHNICALLY SOUND

1213

00:36:46,904 --> 00:36:48,573

AND AESTHETICALLY PLEASING VIDEO

1214

00:36:48,573 --> 00:36:50,174

SHOWCASING ALL THE HARD WORK

1215

00:36:50,174 --> 00:36:52,810

SPENT ON CREATING THEIR ROVER.

1216

00:36:52,810 --> 00:36:53,811

THE HIGH SCHOOL DIVISION

1217

00:36:53,811 --> 00:36:55,446

VIDEOGRAPHY AWARD WINNER

1218

00:36:55,446 --> 00:36:57,081

IS NAVONMESH PRASAR FOUNDATION

1219

00:36:57,081 --> 00:36:58,549

FROM ODISHA, INDIA.

1220

00:36:58,549 --> 00:37:00,384

LET'S CHECK IT OUT.

1221

00:39:59,630 --> 00:37:16,300

[MUSIC]

1222

00:39:59,630 --> 00:40:00,631

>> AND CONGRATULATIONS

1223

00:40:00,631 --> 00:40:02,166

TO OUR COLLEGE/UNIVERSITY

1224

00:40:02,166 --> 00:40:03,868

DIVISION WINNER,

1225

00:40:03,868 --> 00:40:05,269

UNIVERSIDAD CATÓLICA

1226
00:40:05,269 --> 00:40:06,771
BOLIVIANA-LA PAZ

1227
00:40:06,771 --> 00:40:08,906
FROM LA PAZ, BOLIVIA.

1228
00:40:08,906 --> 00:40:10,775
LET'S TAKE A LOOK.

1229
00:42:41,225 --> 00:40:28,025
[MUSIC]

1230
00:42:41,225 --> 00:42:46,697
[SPEAKING SPANISH]

1231
00:42:49,333 --> 00:42:51,635
>> NOW, FOR OUR OVERALL WINNERS.

1232
00:42:51,635 --> 00:42:52,770
THESE TEAMS WERE SELECTED

1233
00:42:52,770 --> 00:42:53,637
FOR THEIR PERFORMANCE

1234
00:42:53,637 --> 00:42:54,805
IN EVERY ASPECT

1235
00:42:54,805 --> 00:42:56,407
OF THIS CHALLENGE.

1236
00:42:56,407 --> 00:42:57,474
THEY MADE SURE THAT

1237
00:42:57,474 --> 00:42:59,076
ALL CHALLENGE REQUIREMENTS

1238
00:42:59,076 --> 00:43:01,345

AND DELIVERABLES WERE MET

1239

00:43:01,345 --> 00:43:02,313

AND THEY PLACED AMONG

1240

00:43:02,313 --> 00:43:03,347

THE TOP TEAMS

1241

00:43:03,347 --> 00:43:05,783

IN EVERY SCORING CATEGORY.

1242

00:43:05,783 --> 00:43:07,184

TO PRESENT THESE AWARDS

1243

00:43:07,184 --> 00:43:08,252

WE ARE PLEASED TO INTRODUCE

1244

00:43:08,252 --> 00:43:10,421

TWO WOMEN WHO PLAYED KEY ROLES

1245

00:43:10,421 --> 00:43:11,555

IN OUR ABILITY TO

1246

00:43:11,555 --> 00:43:13,057

OFFER HERC TO YOU,

1247

00:43:13,057 --> 00:43:14,558

DR. ALOTTA TAYLOR

1248

00:43:14,558 --> 00:43:16,727

AND DR. CARRIE OLSEN.

1249

00:43:16,727 --> 00:43:18,295

DR. TAYLOR IS THE DIRECTOR

1250

00:43:18,295 --> 00:43:19,797

OF STRATEGIC INTEGRATION

1251
00:43:19,797 --> 00:43:21,298
IN MANAGEMENT DIVISION

1252
00:43:21,298 --> 00:43:23,334
FOR NASA'S HUMAN EXPLORATION AND

1253
00:43:23,334 --> 00:43:25,703
OPERATIONS MISSION DIRECTORATE.

1254
00:43:25,703 --> 00:43:27,938
DR. OLSEN IS THE PROJECT MANAGER

1255
00:43:27,938 --> 00:43:28,973
FOR NASA'S OFFICE

1256
00:43:28,973 --> 00:43:30,274
OF STEM ENGAGEMENT

1257
00:43:30,274 --> 00:43:32,710
NEXTGEN STEM PROJECT.

1258
00:43:32,710 --> 00:43:34,211
WITH THAT, DR. OLSEN,

1259
00:43:34,211 --> 00:43:37,081
I WILL TURN IT OVER TO YOU.

1260
00:43:37,081 --> 00:43:38,649
>> THANKS, CATHERINE.

1261
00:43:38,649 --> 00:43:39,850
HELLO FROM NASA'S OFFICE

1262
00:43:39,850 --> 00:43:41,051
OF STEM ENGAGEMENT

1263
00:43:41,051 --> 00:43:41,719

AND THE NEXTGEN

1264

00:43:41,719 --> 00:43:43,587
STEM PROJECT TEAM.

1265

00:43:43,587 --> 00:43:44,788
I'D LIKE TO CONGRATULATE

1266

00:43:44,788 --> 00:43:45,823
ALL THE TEAMS

1267

00:43:45,823 --> 00:43:48,125
THIS YEAR FOR THEIR HARD WORK.

1268

00:43:48,125 --> 00:43:49,626
NEXTGEN STEM IS PROUD

1269

00:43:49,626 --> 00:43:50,561
TO HELP SPONSOR

1270

00:43:50,561 --> 00:43:51,528
THE HIGH SCHOOL DIVISION

1271

00:43:51,528 --> 00:43:52,896
OF THIS CHALLENGE AND

1272

00:43:52,896 --> 00:43:54,098
SO I'M EXCITED

1273

00:43:54,098 --> 00:43:56,066
TO ANNOUNCE THE OVERALL WINNERS

1274

00:43:56,066 --> 00:43:57,668
IN THE HIGH SCHOOL DIVISION

1275

00:43:57,668 --> 00:43:59,703
TODAY.

1276
00:43:59,703 --> 00:44:00,537
I WILL START WITH

1277
00:44:00,537 --> 00:44:03,374
OUR THIRD PLACE WINNER.

1278
00:44:03,374 --> 00:44:04,408
THE THIRD PLACE WINNER

1279
00:44:04,408 --> 00:44:07,945
IS THE NAVONMESH PRASAR

1280
00:44:07,945 --> 00:44:11,682
FOUNDATION FROM ODISHA, INDIA.

1281
00:44:11,682 --> 00:44:14,852
CONGRATULATIONS.

1282
00:44:18,622 --> 00:44:19,690
AND NOW, OVER TO

1283
00:44:19,690 --> 00:44:21,258
DR. ALOTTA TAYLOR

1284
00:44:21,258 --> 00:44:22,459
FOR OUR COLLEGE AND UNIVERSITY

1285
00:44:22,459 --> 00:44:24,661
DIVISION WINNER.

1286
00:44:24,661 --> 00:44:26,196
>> GOOD MORNING.

1287
00:44:26,196 --> 00:44:27,297
I SERVE AS DIRECTOR

1288
00:44:27,297 --> 00:44:29,199

FOR STRATEGIC INTEGRATION

1289

00:44:29,199 --> 00:44:30,401

WITHIN THE HUMAN EXPLORATION

1290

00:44:30,401 --> 00:44:32,236

OPERATIONS MISSION DIRECTORATE

1291

00:44:32,236 --> 00:44:33,771

AT NASA HEADQUARTERS

1292

00:44:33,771 --> 00:44:35,305

WHERE MS. KATHY LUEDERS

1293

00:44:35,305 --> 00:44:37,341

IS OUR LEADER.

1294

00:44:37,341 --> 00:44:39,543

ONE BEHALF OF MS. LUEDERS

1295

00:44:39,543 --> 00:44:40,878

WE'D LIKE TO THANK

1296

00:44:40,878 --> 00:44:43,914

ALL OF OUR NASA COLLEAGUES

1297

00:44:43,914 --> 00:44:45,682

AND ALL OF THE TEAMS

1298

00:44:45,682 --> 00:44:47,217

FOR PARTICIPATING IN

1299

00:44:47,217 --> 00:44:50,354

THIS OUTSTANDING EVENT.

1300

00:44:50,354 --> 00:44:52,156

LIKE ARTEMIS,

1301
00:44:52,156 --> 00:44:55,159
THE HUMAN EXPLORATION ROVER, UH,

1302
00:44:55,159 --> 00:44:57,728
SENDS ONE WOMAN OR ONE FEMALE

1303
00:44:57,728 --> 00:45:00,397
AND ONE MALE ON AN EXCURSION

1304
00:45:00,397 --> 00:45:03,367
TO DISCOVER UNKNOWN TERRAIN.

1305
00:45:03,367 --> 00:45:06,070
SO, WE HOPE THAT THE FEMALES

1306
00:45:06,070 --> 00:45:07,037
AND THE MALES THAT

1307
00:45:07,037 --> 00:45:09,807
HAVE PARTICIPATED IN THIS EVENT

1308
00:45:09,807 --> 00:45:11,508
HAVE BEEN INSPIRED

1309
00:45:11,508 --> 00:45:13,577
AND HAVE HAD SOME FUN

1310
00:45:13,577 --> 00:45:14,711
ALONG THE WAY

1311
00:45:14,711 --> 00:45:16,814
WHILE YOU LEARNED A LOT.

1312
00:45:16,814 --> 00:45:18,715
WE REALIZE THAT YOU ARE

1313
00:45:18,715 --> 00:45:20,717

OUR FUTURE WORKFORCE

1314

00:45:20,717 --> 00:45:22,286

AND SO WE WANT TO CONTINUE TO

1315

00:45:22,286 --> 00:45:24,421

MAKE THAT INVESTMENT IN YOU

1316

00:45:24,421 --> 00:45:25,189

AND HOPE YOU WILL

1317

00:45:25,189 --> 00:45:26,490

CONTINUE TO PARTICIPATE

1318

00:45:26,490 --> 00:45:28,492

AS YOU GROW THROUGH THE YEARS.

1319

00:45:28,492 --> 00:45:30,260

SO, IT IS MY HONOR RIGHT NOW

1320

00:45:30,260 --> 00:45:33,664

TO SAY CONGRATULATIONS TO ALL

1321

00:45:33,664 --> 00:45:37,835

AND TO INTRODUCE THE, UH,

1322

00:45:37,835 --> 00:45:41,672

THIRD PLACE WINNER OF

1323

00:45:41,672 --> 00:45:45,209

THE COLLEGE/UNIVERSITY DIVISION.

1324

00:45:45,209 --> 00:45:46,443

OUR WINNER IS

1325

00:45:46,443 --> 00:45:48,045

THE UNIVERSITY OF ALABAMA,

1326
00:45:48,045 --> 00:45:50,114
HUNTSVILLE TEAM 1

1327
00:45:50,114 --> 00:45:52,049
FROM HUNTSVILLE, ALABAMA.

1328
00:45:52,049 --> 00:45:53,317
CONGRATULATIONS.

1329
00:45:53,317 --> 00:45:55,886
[CLAPPING]

1330
00:45:57,654 --> 00:45:58,722
>> AND NOW, BACK TO

1331
00:45:58,722 --> 00:46:00,157
THE HIGH SCHOOL DIVISION

1332
00:46:00,157 --> 00:46:02,526
AND THE SECOND PLACE WINNER.

1333
00:46:02,526 --> 00:46:04,661
THE SECOND PLACE WINNER IS

1334
00:46:04,661 --> 00:46:07,364
THE STILLWATER AREA HIGH SCHOOL

1335
00:46:07,364 --> 00:46:09,566
FROM STILLWATER, MINNESOTA.

1336
00:46:09,566 --> 00:46:13,337
CONGRATULATIONS.

1337
00:46:14,438 --> 00:46:16,373
>> IT IS MY HONOR NOW

1338
00:46:16,373 --> 00:46:18,108

TO INTRODUCE

1339

00:46:18,108 --> 00:46:20,544

THE SECOND PLACE WINNER

1340

00:46:20,544 --> 00:46:21,645

FOR THE HIGH SCHOOL

1341

00:46:21,645 --> 00:46:24,248

DIV-DIVISION, EXCUSE ME.

1342

00:46:24,248 --> 00:46:25,382

UH, I'M-- EXCUSE ME,

1343

00:46:25,382 --> 00:46:26,717

I AM NOT INTRODUCING

1344

00:46:26,717 --> 00:46:28,385

THE HIGH SCHOOL DIVISION,

1345

00:46:28,385 --> 00:46:29,553

I AM INTRODUCING

1346

00:46:29,553 --> 00:46:32,122

THE COLLEGE/UNIVERSITY DIVISION

1347

00:46:32,122 --> 00:46:34,091

AND THAT UNIVERSITY

1348

00:46:34,091 --> 00:46:38,162

IS TECNOLÓGICO DE MONTERREY

1349

00:46:38,162 --> 00:46:42,166

FROM XOCHITEPEC, MEXICO.

1350

00:46:42,166 --> 00:46:44,801

CONGRATULATIONS.

1351
00:46:44,801 --> 00:46:47,304
[CLAPPING]

1352
00:46:49,239 --> 00:46:50,807
>> HEY, AND BACK TO

1353
00:46:50,807 --> 00:46:53,110
THE HIGH SCHOOL DIVISION

1354
00:46:53,110 --> 00:46:54,077
AND THE MOMENT

1355
00:46:54,077 --> 00:46:57,014
WE'VE ALL BEEN WAITING FOR.

1356
00:46:57,014 --> 00:46:58,749
THE FIRST PLACE

1357
00:46:58,749 --> 00:47:00,317
HIGH SCHOOL DIVISION WINNER

1358
00:47:00,317 --> 00:47:02,586
FOR THE 2021 NASA

1359
00:47:02,586 --> 00:47:04,054
HUMAN EXPLORATION ROVER

1360
00:47:04,054 --> 00:47:06,089
CHALLENGE IS--

1361
00:47:06,089 --> 00:47:09,026
AS JODY WOULD SAY, DRUMROLL--

1362
00:47:09,026 --> 00:47:11,328
THE PARISH EPISCOPAL SCHOOL

1363
00:47:11,328 --> 00:47:12,496

TEAM NUMBER 1

1364

00:47:12,496 --> 00:47:14,698
FROM DALLAS, TEXAS.

1365

00:47:14,698 --> 00:47:17,201
CONGRATULATIONS.

1366

00:47:17,201 --> 00:47:21,004
WE'RE PROUD OF YOU.

1367

00:47:22,239 --> 00:47:24,341
>> IT IS MY HONOR NOW

1368

00:47:24,341 --> 00:47:27,010
TO PROVIDE CONGRATULATIONS

1369

00:47:27,010 --> 00:47:28,478
TO OUR FIRST PLACE

1370

00:47:28,478 --> 00:47:30,214
COLLEGE/UNIVERSITY DIVISION

1371

00:47:30,214 --> 00:47:33,083
WINNER FOR THE 2021

1372

00:47:33,083 --> 00:47:34,851
NASA HUMAN EXPLORATION

1373

00:47:34,851 --> 00:47:36,153
ROVER CHALLENGE.

1374

00:47:36,153 --> 00:47:39,756
AT THE WINNER IS-- DRUMROLL--

1375

00:47:39,756 --> 00:47:42,226
UNIVERSIDAD NACIONO--

1376
00:47:42,226 --> 00:47:44,728
NACIONAL DE COLOMBIA

1377
00:47:44,728 --> 00:47:48,265
FROM BOGOTÁ, COLUMBIA.

1378
00:47:48,265 --> 00:47:51,602
CONGRATULATIONS.

1379
00:47:52,736 --> 00:47:53,537
>> CONGRATULATIONS TO

1380
00:47:53,537 --> 00:47:54,771
ALL OF THE TEAMS.

1381
00:47:54,771 --> 00:47:56,773
I HAVE THE DISTINCT HONOR

1382
00:47:56,773 --> 00:47:58,275
OF SHARING ONE MORE

1383
00:47:58,275 --> 00:47:59,710
VERY SPECIAL AWARD.

1384
00:47:59,710 --> 00:48:01,378
THIS IS A SURPRISE.

1385
00:48:01,378 --> 00:48:01,878
THE GENTLEMAN

1386
00:48:01,878 --> 00:48:02,813
WHO'S RECEIVING THIS AWARD

1387
00:48:02,813 --> 00:48:03,647
DOESN'T EVEN KNOW

1388
00:48:03,647 --> 00:48:04,514

THAT IT'S COMING,

1389

00:48:04,514 --> 00:48:06,650

BUT WE HAVE ONE MORE A-AWARD,

1390

00:48:06,650 --> 00:48:07,351

THE NASA

1391

00:48:07,351 --> 00:48:10,520

SILVER ACHIEVEMENT MEDAL.

1392

00:48:10,520 --> 00:48:11,555

BY THE WAY, NASA MEDALS

1393

00:48:11,555 --> 00:48:12,723

ARE A BIG DEAL, UH,

1394

00:48:12,723 --> 00:48:14,891

THE MA-- IN THE NASA WORKFORCE,

1395

00:48:14,891 --> 00:48:16,059

UH, AND THIS

1396

00:48:16,059 --> 00:48:17,427

NASA SILVER ACHIEVEMENT MEDAL

1397

00:48:17,427 --> 00:48:21,331

GOES TO DR. FRANK SIX.

1398

00:48:21,331 --> 00:48:22,132

JOIN ME IN S--

1399

00:48:22,132 --> 00:48:24,167

IN CONGRATULATING DR. SIX.

1400

00:48:24,167 --> 00:48:25,636

UH, DR. FRANK SIX,

1401
00:48:25,636 --> 00:48:26,837
NASA'S OFFICE OF STEM

1402
00:48:26,837 --> 00:48:28,372
ENGAGEMENT'S UNIVERSITY

1403
00:48:28,372 --> 00:48:29,740
AFFAIRS OFFICER

1404
00:48:29,740 --> 00:48:30,474
IN THE SOUTHEAST

1405
00:48:30,474 --> 00:48:32,209
REGIONAL STEM ENGAGEMENT OFFICE

1406
00:48:32,209 --> 00:48:33,243
LOCATED, UH,

1407
00:48:33,243 --> 00:48:35,045
AT MARSHALL SPACE FLIGHT CENTER,

1408
00:48:35,045 --> 00:48:37,147
HAS BEEN SIGNIFICANTLY INVOLVED

1409
00:48:37,147 --> 00:48:38,382
WITH THE NASA

1410
00:48:38,382 --> 00:48:40,017
GREAT MOONBUGGY RACE,

1411
00:48:40,017 --> 00:48:41,585
NOW THE HUMAN EXPLORATION

1412
00:48:41,585 --> 00:48:43,086
ROVER CHALLENGE.

1413
00:48:43,086 --> 00:48:45,555

SINCE ITS INCEPTION IN 1994,

1414

00:48:45,555 --> 00:48:47,124

MEANT TO CHALLENGE STUDENTS

1415

00:48:47,124 --> 00:48:49,893

IN THE FOUNDATIONS OF SCIENCE,

1416

00:48:49,893 --> 00:48:51,261

TECHNOLOGY, ENGINEERING

1417

00:48:51,261 --> 00:48:53,263

AND MATH THROUGH AN EXERCISE

1418

00:48:53,263 --> 00:48:54,498

IN TEAMWORK,

1419

00:48:54,498 --> 00:48:55,866

DR. SIX HAS AIDED

1420

00:48:55,866 --> 00:48:57,668

THIS COMPETITION'S GROWTH

1421

00:48:57,668 --> 00:48:59,136

FROM SIX UNIVERSITY TEAMS

1422

00:48:59,136 --> 00:49:01,538

IN 1994 TO A REGISTRATION

1423

00:49:01,538 --> 00:49:04,975

O-OF OVER 100 HIGH SCHOOL,

1424

00:49:04,975 --> 00:49:07,044

COLLEGE AND UNIVERSITY TEAMS

1425

00:49:07,044 --> 00:49:09,413

REPRESENTING 27 STATES,

1426
00:49:09,413 --> 00:49:10,881
THE DISTRICT OF COLUMBIA,

1427
00:49:10,881 --> 00:49:12,115
PUERTO RICO AND

1428
00:49:12,115 --> 00:49:14,351
11 COUNTRIES IN 2020,

1429
00:49:14,351 --> 00:49:15,619
RESULTING IN THE IMPACT

1430
00:49:15,619 --> 00:49:18,355
OF THOUSANDS OF STUDENTS

1431
00:49:18,355 --> 00:49:20,023
AND MENTORS.

1432
00:49:20,023 --> 00:49:21,625
AS THE COMPETITION GREW

1433
00:49:21,625 --> 00:49:22,659
SO DID INTEREST FROM

1434
00:49:22,659 --> 00:49:23,760
AROUND THE GLOBE

1435
00:49:23,760 --> 00:49:24,761
IN PREPARATION FOR HOSTING

1436
00:49:24,761 --> 00:49:26,830
INTERNATIONAL PARTICIPANTS,

1437
00:49:26,830 --> 00:49:28,865
DR. SIX HELPED--

1438
00:49:28,865 --> 00:49:30,834

DR. SIX HELPED TO ORGANIZE

1439

00:49:30,834 --> 00:49:33,036

A CULTURAL SENSITIVITY WORKSHOP

1440

00:49:33,036 --> 00:49:33,970

FOR STAFF MEMBERS

1441

00:49:33,970 --> 00:49:35,772

AND COMPETITION VOLUNTEERS

1442

00:49:35,772 --> 00:49:37,407

AND INTRODUCED THE ROLE OF

1443

00:49:37,407 --> 00:49:39,743

A CITIZEN DIPLOMAT.

1444

00:49:39,743 --> 00:49:42,212

DR. SIX-- DR. SIX ALSO WORKED

1445

00:49:42,212 --> 00:49:43,780

TO FOSTER EQUAL

1446

00:49:43,780 --> 00:49:45,515

AND EQUITABLE ACCESS

1447

00:49:45,515 --> 00:49:47,084

TO POTENTIAL NASA

1448

00:49:47,084 --> 00:49:48,285

HUMAN EXPLORATION ROVER

1449

00:49:48,285 --> 00:49:49,753

CHALLENGE TEAMS

1450

00:49:49,753 --> 00:49:50,587

BY IMPLEMENTING

1451
00:49:50,587 --> 00:49:52,589
A ROVER CHALLENGE WORKSHOP

1452
00:49:52,589 --> 00:49:53,857
TO PROVIDE OPPORTUNITIES

1453
00:49:53,857 --> 00:49:55,659
FOR EDUCATORS AND STUDENTS

1454
00:49:55,659 --> 00:49:57,394
FROM MINORITY SCHOOLS

1455
00:49:57,394 --> 00:49:58,562
AND INSTITUTIONS AND

1456
00:49:58,562 --> 00:50:00,731
UNDERSERVED POPULATIONS.

1457
00:50:00,731 --> 00:50:02,199
WE RECOGNIZE AND APPLAUD

1458
00:50:02,199 --> 00:50:04,434
DR. SIX ENDURING COMMITMENT

1459
00:50:04,434 --> 00:50:05,802
TO INCLUSION THROUGHOUT

1460
00:50:05,802 --> 00:50:07,838
THE COMPETITION'S HISTORY.

1461
00:50:07,838 --> 00:50:10,374
UNDER DR. SIX'S INFLUENCE

1462
00:50:10,374 --> 00:50:11,842
WHAT BEGAN WITH A HANDFUL

1463
00:50:11,842 --> 00:50:14,177

OF DOMESTIC UNIVERSITIES

1464

00:50:14,177 --> 00:50:15,746

HAS EVOLVED INTO

1465

00:50:15,746 --> 00:50:17,180

AN EXCLUSIVE OP--

1466

00:50:17,180 --> 00:50:18,915

AND INCLUSIVE OPPORTUNITY

1467

00:50:18,915 --> 00:50:20,450

FOR HIGH SCHOOL, COLLEGE,

1468

00:50:20,450 --> 00:50:21,685

AND UNIVERSITY STUDENTS

1469

00:50:21,685 --> 00:50:23,620

FROM FIVE CONTINENTS.

1470

00:50:23,620 --> 00:50:25,889

PLEASE JOIN ME IN CONGRATULATING

1471

00:50:25,889 --> 00:50:28,291

DR. FRANK SIX.

1472

00:50:35,799 --> 00:50:36,833

AS WE CLOSE OUT

1473

00:50:36,833 --> 00:50:37,768

ANOTHER SEASON OF

1474

00:50:37,768 --> 00:50:38,802

THE HUMAN EXPLORATION

1475

00:50:38,802 --> 00:50:40,070

ROVER CHALLENGE,

1476

00:50:40,070 --> 00:50:41,838

AS IT COMES TO A CLOSE,

1477

00:50:41,838 --> 00:50:43,673

I WANNA EXPRESS OUR PRIDE

1478

00:50:43,673 --> 00:50:45,142

IN YOUR ACHIEVEMENTS

1479

00:50:45,142 --> 00:50:45,909

DURING A YEAR

1480

00:50:45,909 --> 00:50:47,577

FULL OF QUESTION MARKS.

1481

00:50:47,577 --> 00:50:49,079

YOU ROSE TO THE CHALLENGE

1482

00:50:49,079 --> 00:50:50,680

OF COMPETING VIRTUALLY

1483

00:50:50,680 --> 00:50:52,716

AND EXHIBITED YOUR WILLINGNESS

1484

00:50:52,716 --> 00:50:55,085

TO ADAPT TO ONLINE PRESENTATIONS

1485

00:50:55,085 --> 00:50:56,553

AND REVIEWS

1486

00:50:56,553 --> 00:50:57,521

AND YOU DEMONSTRATED

1487

00:50:57,521 --> 00:51:00,090

THE ABILITY TO SHOW IMPROVEMENT

1488

00:51:00,090 --> 00:51:02,025

THROUGHOUT THE PROCESS.

1489

00:51:02,025 --> 00:51:03,593

WE OFFERED YOU NEW CHALLENGES

1490

00:51:03,593 --> 00:51:04,694

AND YOU CONCEIVED

1491

00:51:04,694 --> 00:51:06,963

AND CONSTRUCTED NEW SOLUTIONS.

1492

00:51:06,963 --> 00:51:07,597

WE ASKED YOU

1493

00:51:07,597 --> 00:51:08,732

TO DEMONSTRATE YOUR ROVER

1494

00:51:08,732 --> 00:51:09,900

USING LOCAL

1495

00:51:09,900 --> 00:51:11,301

OR HOMEMADE OBSTACLES

1496

00:51:11,301 --> 00:51:13,637

AND YOU REVEALED CREATIVITY

1497

00:51:13,637 --> 00:51:15,505

IN YOUR EXECUTION.

1498

00:51:15,505 --> 00:51:17,307

QUITE SIMPLY, YOU SHOWED UP

1499

00:51:17,307 --> 00:51:19,242

AND YOU SHOWED OUT.

1500

00:51:19,242 --> 00:51:21,278

THANK YOU FOR CONTINUING WITH US

1501
00:51:21,278 --> 00:51:23,346
ON OUR HUMAN EXPLORATION ROVER

1502
00:51:23,346 --> 00:51:24,781
CHALLENGE JOURNEY

1503
00:51:24,781 --> 00:51:25,782
AS WE PERSIST IN INNOVATING

1504
00:51:25,782 --> 00:51:28,051
THIS COMPETITION.

1505
00:51:28,051 --> 00:51:29,286
WE ARE EAGER TO HOLD

1506
00:51:29,286 --> 00:51:32,022
AN IN-PERSON EVENT IN 2022

1507
00:51:32,022 --> 00:51:32,756
AND HOPE TO SEE

1508
00:51:32,756 --> 00:51:34,024
YOUR ACCOMPLISHMENTS

1509
00:51:34,024 --> 00:51:35,692
FACE-TO-FACE.

1510
00:51:35,692 --> 00:51:36,660
THANK YOU SO MUCH.

1511
00:51:36,660 --> 00:51:38,795
CONGRATULATIONS TO ALL TEAMS