

An astronaut in a white space suit is shown from the chest up, floating in space. The astronaut's helmet is clear, and the Earth is visible in the background. The text is overlaid on the left side of the image.

HERC 2023
**HUMAN
EXPLORATION
ROVER CHALLENGE**
**LIVE AWARDS
CEREMONY**

5-7 PM CDT APRIL 22, 2023

1
00:03:23,280 --> 00:04:56,749

thank you

2
00:05:04,010 --> 00:05:00,770

a lot of natural uh not for students yet

3
00:05:13,129 --> 00:05:06,530

good afternoon

4
00:05:18,180 --> 00:05:16,490

hey hey hey hey did anybody have any fun

5
00:05:20,320 --> 00:05:18,190

over the last few days

6
00:05:22,610 --> 00:05:20,330

[Applause]

7
00:05:24,830 --> 00:05:22,620

[Music]

8
00:05:26,810 --> 00:05:24,840

Hey listen there's a lot of folks

9
00:05:28,430 --> 00:05:26,820

standing on the sides and there are a

10
00:05:30,350 --> 00:05:28,440

few seats that were for our sponsors

11
00:05:32,689 --> 00:05:30,360

that were going to allow some folks to

12
00:05:35,570 --> 00:05:32,699

sit in but we want to be respectful of

13
00:05:37,310 --> 00:05:35,580

our seasoned uh folks who may have some

14

00:05:39,170 --> 00:05:37,320

trouble standing for long periods of

15

00:05:40,610 --> 00:05:39,180

time and so before we fill them in with

16

00:05:43,670 --> 00:05:40,620

students let's first fill them in with

17

00:05:46,070 --> 00:05:43,680

some of uh the parents or some of the uh

18

00:05:47,810 --> 00:05:46,080

my I got to be careful here seasoned

19

00:05:50,210 --> 00:05:47,820

individuals

20

00:05:51,890 --> 00:05:50,220

who who may need a seat so if you are if

21

00:05:53,870 --> 00:05:51,900

you fall into that category come on down

22

00:05:58,129 --> 00:05:53,880

and we will get you a seat right up here

23

00:06:01,610 --> 00:06:00,170

no seasoned individuals because we're

24

00:06:03,350 --> 00:06:01,620

going to fill them in with anybody okay

25

00:06:06,170 --> 00:06:03,360

hold on let me just give it a little bit

26

00:06:07,969 --> 00:06:06,180

more time yes you got a couple more

27

00:06:09,950 --> 00:06:07,979

and by the way we can fill in the holes

28

00:06:12,890 --> 00:06:09,960

here if you have people uh empty spot

29

00:06:15,830 --> 00:06:12,900

next to you raise your hand

30

00:06:17,029 --> 00:06:15,840

okay y'all feel free to fill those in

31

00:06:18,950 --> 00:06:17,039

because we're going to be here for a

32

00:06:20,029 --> 00:06:18,960

little while not too long but we'll be

33

00:06:21,710 --> 00:06:20,039

here for a little while we want to make

34

00:06:23,090 --> 00:06:21,720

sure that you're comfortable so again if

35

00:06:25,490 --> 00:06:23,100

you have an empty seat next to you

36

00:06:27,830 --> 00:06:25,500

please raise your hand

37

00:06:30,290 --> 00:06:27,840

there's one there

38

00:06:40,070 --> 00:06:30,300

I see one right here so y'all fill in

39

00:06:44,270 --> 00:06:42,890

yes and and as far as sitting on the

40

00:06:46,309 --> 00:06:44,280

aisles you guys have to be real careful

41

00:06:51,469 --> 00:06:46,319

there because we need to have a

42

00:07:07,270 --> 00:06:53,450

any any seasoned any seasoned

43

00:07:23,390 --> 00:07:09,529

right down

44

00:07:30,710 --> 00:07:28,070

sure anyone okay so now anyone who needs

45

00:07:34,189 --> 00:07:30,720

a seat there are four here

46

00:07:38,029 --> 00:07:34,199

and two or three on that side

47

00:07:41,510 --> 00:07:40,249

come on

48

00:07:48,589 --> 00:07:41,520

I see him

49

00:12:49,129 --> 00:07:49,850

all right we'll be getting started here

50

00:12:49,139 --> 00:14:31,430

foreign

51
00:14:31,440 --> 00:14:37,550
Department of student challenge

52
00:14:42,590 --> 00:14:39,530
fire

53
00:14:53,090 --> 00:14:42,600
information of scientists and engineers

54
00:14:56,569 --> 00:14:55,490
at a great space adventure

55
00:14:57,829 --> 00:14:56,579
at Benjamin

56
00:15:02,880 --> 00:14:57,839
Mars

57
00:15:02,890 --> 00:15:10,250
[Applause]

58
00:15:15,590 --> 00:15:12,350
good evening and welcome to the awards

59
00:15:18,110 --> 00:15:15,600
ceremony for NASA's 2023 human

60
00:15:20,329 --> 00:15:18,120
exploration Rover challenge my name is

61
00:15:22,910 --> 00:15:20,339
Marty Schaefer and I'm the director of

62
00:15:24,230 --> 00:15:22,920
communications at NASA's Marshall space

63
00:15:26,870 --> 00:15:24,240

flight center

64

00:15:28,850 --> 00:15:26,880

on behalf of NASA's office of stem

65

00:15:30,850 --> 00:15:28,860

engagement the Marshall space flight

66

00:15:33,650 --> 00:15:30,860

center and all of our partners

67

00:15:36,350 --> 00:15:33,660

congratulations to each one of you we're

68

00:15:38,750 --> 00:15:36,360

very proud of your accomplishments

69

00:15:40,430 --> 00:15:38,760

it's now my pleasure to introduce our

70

00:15:42,230 --> 00:15:40,440

first distinguished speaker

71

00:15:44,870 --> 00:15:42,240

she has received the NASA silver

72

00:15:47,689 --> 00:15:44,880

Achievement medal the NASA outstanding

73

00:15:49,790 --> 00:15:47,699

leadership medal she is a proud graduate

74

00:15:51,170 --> 00:15:49,800

of the University of Tennessee in

75

00:15:52,970 --> 00:15:51,180

Knoxville where she earned her

76

00:15:54,110 --> 00:15:52,980

bachelor's degree in electrical

77

00:15:56,030 --> 00:15:54,120

engineering

78

00:15:57,710 --> 00:15:56,040

please join me in welcoming the

79

00:16:00,170 --> 00:15:57,720

associate director of Marshall space

80

00:16:09,110 --> 00:16:00,180

flight center Ms Rayanne Meyer

81

00:16:09,120 --> 00:16:12,590

hello

82

00:16:18,949 --> 00:16:15,530

I am Ryan Myers Marty said associate

83

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

director at Marshall space flight center

84

00:16:25,250 --> 00:16:21,120

is that feedback

85

00:16:26,150 --> 00:16:25,260

okay get back on behalf of NASA and the

86

00:16:28,370 --> 00:16:26,160

center

87

00:16:32,329 --> 00:16:28,380

I am privileged to be at this award

88

00:16:35,030 --> 00:16:32,339

ceremony for the NASA's 29th

89

00:16:36,829 --> 00:16:35,040

human exploration Rover challenge

90

00:16:38,990 --> 00:16:36,839

I'd like to thank you all for

91

00:16:41,449 --> 00:16:39,000

participating in this year's event

92

00:16:43,790 --> 00:16:41,459

for students and competitors who put in

93

00:16:46,310 --> 00:16:43,800

so much hard work and persevered through

94

00:16:48,829 --> 00:16:46,320

the challenge of getting your Rovers

95

00:16:53,030 --> 00:16:48,839

ready for the competition

96

00:16:54,949 --> 00:16:53,040

an army of about 300 volunteers that

97

00:16:58,129 --> 00:16:54,959

made this event possible

98

00:17:00,530 --> 00:16:58,139

and everyone at Nasa Marshall and the

99

00:17:03,050 --> 00:17:00,540

U.S station Rocket Center and our many

100

00:17:06,530 --> 00:17:03,060

corporate sponsors for supporting this

101
00:17:08,990 --> 00:17:06,540
event year after year

102
00:17:09,949 --> 00:17:09,000
the Rover challenge is a lot of fun for

103
00:17:13,069 --> 00:17:09,959
all of us

104
00:17:15,949 --> 00:17:13,079
is it yeah

105
00:17:19,309 --> 00:17:15,959
but it's finished much more than just

106
00:17:21,949 --> 00:17:19,319
having a great time and even winning

107
00:17:23,630 --> 00:17:21,959
it's about successful teamwork and

108
00:17:27,069 --> 00:17:23,640
problem solving

109
00:17:28,970 --> 00:17:27,079
it's about expiring the Next Generation

110
00:17:31,430 --> 00:17:28,980
you

111
00:17:32,930 --> 00:17:31,440
the Artemis generation to become the

112
00:17:36,710 --> 00:17:32,940
next explorers

113
00:17:38,690 --> 00:17:36,720

Engineers scientists and technicians in

114

00:17:40,789 --> 00:17:38,700

our industry

115

00:17:43,430 --> 00:17:40,799

building the Next Generation stem

116

00:17:46,430 --> 00:17:43,440

Workforce is important to all of us at

117

00:17:49,610 --> 00:17:46,440

Nasa and at marshall

118

00:17:53,810 --> 00:17:49,620

watching you Andrew Rovers take on the

119

00:17:55,370 --> 00:17:53,820

challenge and this source with Talent

120

00:17:57,830 --> 00:17:55,380

resilience

121

00:18:00,529 --> 00:17:57,840

and a competitive Spirit lets me know

122

00:18:02,990 --> 00:18:00,539

that our industry will be in good hands

123

00:18:06,409 --> 00:18:03,000

in the future

124

00:18:09,549 --> 00:18:06,419

in November we launched

125

00:18:12,169 --> 00:18:09,559

the most powerful rocket ever built

126

00:18:13,070 --> 00:18:12,179

and it's a sword test right around the

127

00:18:16,010 --> 00:18:13,080

Moon

128

00:18:18,409 --> 00:18:16,020

Artemis won received received an A-Plus

129

00:18:21,770 --> 00:18:18,419

on its mission report and yes you said

130

00:18:24,770 --> 00:18:21,780

they report cards after school

131

00:18:26,870 --> 00:18:24,780

and it was a Flawless mission

132

00:18:29,210 --> 00:18:26,880

the successful launch of Artemis one

133

00:18:31,610 --> 00:18:29,220

signified a new chapter in space flight

134

00:18:34,730 --> 00:18:31,620

and human exploration

135

00:18:36,830 --> 00:18:34,740

a chapter Marshall and Alabama are

136

00:18:39,470 --> 00:18:36,840

helping to write

137

00:18:41,810 --> 00:18:39,480

Alabama by way of the space launched is

138

00:18:44,870 --> 00:18:41,820

some Rockets and the human Landing

139

00:18:47,330 --> 00:18:44,880

system will lead our nation return to

140

00:18:50,029 --> 00:18:47,340

the moon and put Mars and destinations

141

00:18:52,850 --> 00:18:50,039

Beyond within the reach of a new

142

00:18:55,010 --> 00:18:52,860

generation of explorers

143

00:18:57,049 --> 00:18:55,020

I'd like to share a video that I think

144

00:19:03,830 --> 00:18:57,059

captures this moment in space

145

00:19:03,840 --> 00:19:08,930

start

146

00:19:08,940 --> 00:19:27,770

three two one

147

00:19:27,780 --> 00:19:37,590

foreign

148

00:20:13,930 --> 00:19:44,910

[Music]

149

00:20:13,940 --> 00:20:21,289

[Applause]

150

00:20:25,850 --> 00:20:23,210

I have to say I'm just a little

151
00:20:27,710 --> 00:20:25,860
emotional after seeing that video

152
00:20:29,510 --> 00:20:27,720
um watching the launch brings back just

153
00:20:30,950 --> 00:20:29,520
incredible memories

154
00:20:33,289 --> 00:20:30,960
um for me

155
00:20:36,650 --> 00:20:33,299
but it's just equally emotional is

156
00:20:39,830 --> 00:20:36,660
seeing um all of you here who are truly

157
00:20:43,310 --> 00:20:39,840
on this generation

158
00:20:45,590 --> 00:20:43,320
so Artemis one was just the first in

159
00:20:47,870 --> 00:20:45,600
additions that will lead to a sustained

160
00:20:51,710 --> 00:20:47,880
presence on the main

161
00:20:56,090 --> 00:20:51,720
we're doing this to benefit all Humanity

162
00:21:01,190 --> 00:20:57,230
sure

163
00:21:04,430 --> 00:21:01,200

and inspiring future Generations

164

00:21:07,190 --> 00:21:04,440

Artemis one was a test flight and based

165

00:21:09,350 --> 00:21:07,200

on its outstanding performance we feel

166

00:21:12,049 --> 00:21:09,360

confident sending humans into space on

167

00:21:13,610 --> 00:21:12,059

the SOS records for artists to and

168

00:21:16,190 --> 00:21:13,620

Beyond

169

00:21:19,130 --> 00:21:16,200

just this month actually early this

170

00:21:21,529 --> 00:21:19,140

month we announced four astronauts will

171

00:21:26,450 --> 00:21:21,539

be aboard artist too

172

00:21:28,610 --> 00:21:26,460

for for our first crude on this mission

173

00:21:31,549 --> 00:21:28,620

the historic Mission will send the first

174

00:21:33,110 --> 00:21:31,559

woman and the first person of color to

175

00:21:38,330 --> 00:21:33,120

deep space

176
00:21:46,010 --> 00:21:41,270
Harvest two will break barriers and pave

177
00:21:48,590 --> 00:21:46,020
the way for future lunar circus missions

178
00:21:51,710 --> 00:21:48,600
starting with Artemis 3 when we will

179
00:21:54,470 --> 00:21:51,720
land astronauts on the moon

180
00:21:57,169 --> 00:21:54,480
from there we will pursue a long-term

181
00:21:59,810 --> 00:21:57,179
sustained presence on the moon and

182
00:22:03,230 --> 00:21:59,820
eventually travel to Mars and Beyond

183
00:22:05,930 --> 00:22:03,240
it is truly an exciting time to be in

184
00:22:08,990 --> 00:22:05,940
the space industry

185
00:22:12,169 --> 00:22:09,000
so I hope someday you'll be doing just

186
00:22:14,930 --> 00:22:12,179
what we strive to do at Nasa every day

187
00:22:18,049 --> 00:22:14,940
Christian human presence farther into

188
00:22:22,010 --> 00:22:18,059

the universe than ever before to the

189

00:22:24,270 --> 00:22:22,020

Moon Mars and Beyond

190

00:22:34,669 --> 00:22:24,280

thank you guys for being here

191

00:22:39,409 --> 00:22:37,190

our next speaker is a leader in stem

192

00:22:41,450 --> 00:22:39,419

education after completing a

193

00:22:43,450 --> 00:22:41,460

presidential appointment at National at

194

00:22:46,190 --> 00:22:43,460

NASA headquarters he has since earned

195

00:22:48,590 --> 00:22:46,200

NASA's exceptional Achievement medal and

196

00:22:51,529 --> 00:22:48,600

NASA's silver Achievement medal he

197

00:22:53,270 --> 00:22:51,539

graduated from the historic Morgan State

198

00:22:55,310 --> 00:22:53,280

University where he received a

199

00:22:58,549 --> 00:22:55,320

bachelor's degree in political science

200

00:23:00,409 --> 00:22:58,559

please welcome the director of NASA's

201
00:23:02,810 --> 00:23:00,419
office of stem engagement for the

202
00:23:04,330 --> 00:23:02,820
Southeast region of the United States Mr

203
00:23:11,750 --> 00:23:04,340
Kevin McGaw

204
00:23:15,409 --> 00:23:13,789
good afternoon

205
00:23:17,210 --> 00:23:15,419
um so I asked you all earlier if you had

206
00:23:18,649 --> 00:23:17,220
fun and I got a little

207
00:23:19,789 --> 00:23:18,659
it sounded like it was a little bit of

208
00:23:21,230 --> 00:23:19,799
fun I couldn't quite tell so I'm gonna

209
00:23:23,149 --> 00:23:21,240
ask you again let's see if I can get we

210
00:23:24,440 --> 00:23:23,159
can get this right did you have fun over

211
00:23:30,110 --> 00:23:24,450
the last few days

212
00:23:36,550 --> 00:23:33,830
hey um if you learn something new over

213
00:23:41,570 --> 00:23:36,560

the last few days let me hear you

214

00:23:52,190 --> 00:23:44,750

if you shared something new with someone

215

00:23:57,470 --> 00:23:55,190

that is what this this whole few days is

216

00:23:59,870 --> 00:23:57,480

all about right we are we want you to

217

00:24:02,510 --> 00:23:59,880

learn the engineering design principles

218

00:24:04,250 --> 00:24:02,520

we want you to meet the expectations but

219

00:24:06,529 --> 00:24:04,260

we also want you to come here and have

220

00:24:08,450 --> 00:24:06,539

some fun and so I'm glad to hear that we

221

00:24:11,330 --> 00:24:08,460

were successful at least in that regard

222

00:24:13,010 --> 00:24:11,340

you're not here to hear hear me talk uh

223

00:24:13,909 --> 00:24:13,020

you want to hear who won these Awards

224

00:24:16,130 --> 00:24:13,919

right

225

00:24:18,230 --> 00:24:16,140

yeah

226

00:24:19,669 --> 00:24:18,240

all right but you got to put up with me

227

00:24:22,490 --> 00:24:19,679

for just one minute here because I want

228

00:24:24,110 --> 00:24:22,500

to give you a couple of thank yous

229

00:24:26,210 --> 00:24:24,120

there are a few thank yous that I need

230

00:24:28,850 --> 00:24:26,220

to do and I appreciate y'all humoring me

231

00:24:31,430 --> 00:24:28,860

the first thank you uh is to the

232

00:24:33,649 --> 00:24:31,440

students that participated in this event

233

00:24:41,570 --> 00:24:33,659

if you're a student that participated in

234

00:24:45,770 --> 00:24:43,730

listen I want to thank you all for all

235

00:24:48,830 --> 00:24:45,780

the hard work that you put in studying

236

00:24:51,950 --> 00:24:48,840

the challenge guide and designing your

237

00:24:54,529 --> 00:24:51,960

Rovers and then redesigning your Rovers

238

00:24:56,390 --> 00:24:54,539

right and um having experiences and

239

00:24:58,610 --> 00:24:56,400

challenges and maybe a little bit

240

00:25:00,890 --> 00:24:58,620

teamwork Dynamics and arguments

241

00:25:03,169 --> 00:25:00,900

somewhere along the way you stuck it you

242

00:25:05,149 --> 00:25:03,179

stuck it out and you you forced your way

243

00:25:07,130 --> 00:25:05,159

through that and I want to thank you all

244

00:25:09,289 --> 00:25:07,140

for that so I'm very grateful for each

245

00:25:11,630 --> 00:25:09,299

of you uh and I want to tell you that

246

00:25:13,310 --> 00:25:11,640

what you did along the way is you

247

00:25:16,070 --> 00:25:13,320

inspired some stem engagement

248

00:25:17,630 --> 00:25:16,080

professionals who day to day get bogged

249

00:25:19,909 --> 00:25:17,640

down with a lot of the work that we do

250

00:25:22,850 --> 00:25:19,919

and sometimes lose sight of the fact

251
00:25:24,710 --> 00:25:22,860
that it's all about you it's all about

252
00:25:26,750 --> 00:25:24,720
putting those Smiles on your faces and

253
00:25:28,310 --> 00:25:26,760
seeing the looks that you all had in

254
00:25:30,470 --> 00:25:28,320
just the the level of effort that you

255
00:25:33,649 --> 00:25:30,480
put in it inspires us and keeps us going

256
00:25:39,230 --> 00:25:33,659
so I want to say thank you to you first

257
00:25:46,190 --> 00:25:39,240
if you are a faculty member a mentor

258
00:25:52,850 --> 00:25:48,169
yeah

259
00:25:55,909 --> 00:25:52,860
this is this is tough stuff right

260
00:25:58,250 --> 00:25:55,919
this is tough stuff to support

261
00:26:00,409 --> 00:25:58,260
um it is hard work and I need to tell

262
00:26:02,090 --> 00:26:00,419
you that you all are appreciated I want

263
00:26:03,950 --> 00:26:02,100

to say thank you to you all because we

264

00:26:06,289 --> 00:26:03,960

know the level of effort that you have

265

00:26:08,269 --> 00:26:06,299

to put in to make this thing a reality

266

00:26:09,769 --> 00:26:08,279

and so I want to say thank you to you as

267

00:26:11,630 --> 00:26:09,779

well I want to thank the Space and

268

00:26:13,850 --> 00:26:11,640

Rocket Center for all of their hard work

269

00:26:16,190 --> 00:26:13,860

and making this happen they've done an

270

00:26:20,260 --> 00:26:16,200

amazing job this is a great venue right

271

00:26:25,370 --> 00:26:22,850

[Applause]

272

00:26:28,190 --> 00:26:25,380

now there's a team of stem engagement

273

00:26:30,649 --> 00:26:28,200

professionals that were at the center of

274

00:26:32,630 --> 00:26:30,659

this effort from the very beginning

275

00:26:35,090 --> 00:26:32,640

and they probably they don't know this

276

00:26:37,250 --> 00:26:35,100

but I'm going to ask each one of them to

277

00:26:40,490 --> 00:26:37,260

stand and come forward so you all can

278

00:26:42,710 --> 00:26:40,500

see the faces of the people who put in a

279

00:26:45,169 --> 00:26:42,720

lot of what probably felt like Blood

280

00:26:47,029 --> 00:26:45,179

Sweat and Tears to make this thing

281

00:26:50,570 --> 00:26:47,039

happen so I'm going to call off some

282

00:26:52,909 --> 00:26:50,580

names so this activity was led by three

283

00:26:55,549 --> 00:26:52,919

project leads first it was Miranda Fike

284

00:26:57,950 --> 00:26:55,559

I don't know if she is here then Dr

285

00:27:00,800 --> 00:26:57,960

vermitra Alexander

286

00:27:05,090 --> 00:27:00,810

she's here

287

00:27:09,769 --> 00:27:07,850

come on up front come right on up front

288

00:27:12,710 --> 00:27:09,779

so they can see you that's right and

289

00:27:19,850 --> 00:27:12,720

then uh by Kelly Martin Rivers so please

290

00:27:24,529 --> 00:27:21,890

we we've got an amazing team of

291

00:27:26,870 --> 00:27:24,539

contractors that work closely with us uh

292

00:27:29,090 --> 00:27:26,880

on the Guardians of Honor contract and

293

00:27:32,269 --> 00:27:29,100

they have been killing it for us and so

294

00:27:34,630 --> 00:27:32,279

is Catherine Shelton here

295

00:27:39,769 --> 00:27:34,640

come on out come on over

296

00:27:49,370 --> 00:27:39,779

[Applause]

297

00:27:54,230 --> 00:27:51,590

all right yeah

298

00:27:56,450 --> 00:27:54,240

uh Chris Jordan has been critical he's

299

00:27:58,590 --> 00:27:56,460

been the technical expertise it's Chris

300

00:28:05,990 --> 00:27:58,600

here where's Chris come on out

301
00:28:10,250 --> 00:28:08,210
you all may not have seen this person as

302
00:28:11,810 --> 00:28:10,260
much because she was hailing all the

303
00:28:14,330 --> 00:28:11,820
critical components of the volunteers

304
00:28:18,529 --> 00:28:14,340
and other pieces but Amy McDowell is Amy

305
00:28:18,539 --> 00:28:23,210
Kelly Kelly

306
00:28:28,549 --> 00:28:25,370
make sure I don't forget anybody we have

307
00:28:32,330 --> 00:28:28,559
someone who came in she is the um Rover

308
00:28:34,310 --> 00:28:32,340
uh expert and she retired four years ago

309
00:28:36,169 --> 00:28:34,320
and we pulled her out of retirement to

310
00:28:37,340 --> 00:28:36,179
help make this a reality Miss Deidre

311
00:28:43,070 --> 00:28:37,350
Williams please come over

312
00:28:43,080 --> 00:28:46,970
she's on my list

313
00:28:50,810 --> 00:28:49,190

we've got an intern that probably felt

314

00:28:53,450 --> 00:28:50,820

like she was doing two people's

315

00:29:02,269 --> 00:28:53,460

full-time jobs Miss Aaliyah please come

316

00:29:06,950 --> 00:29:04,730

where is Zach Zach is the safety lead

317

00:29:09,169 --> 00:29:06,960

y'all remember Zach y'all remember Zach

318

00:29:14,510 --> 00:29:09,179

where is that

319

00:29:17,750 --> 00:29:15,950

Zach's not here let me tell you

320

00:29:19,010 --> 00:29:17,760

something we wore Zach out I think we

321

00:29:21,529 --> 00:29:19,020

wore him out he's probably getting a

322

00:29:23,389 --> 00:29:21,539

little bit of rest okay and um one more

323

00:29:24,889 --> 00:29:23,399

person to come on uh where's Chris Blair

324

00:29:33,889 --> 00:29:24,899

at

325

00:29:37,490 --> 00:29:35,990

if you haven't seen Chris already he's a

326

00:29:38,930 --> 00:29:37,500

person that's been coordinating all of

327

00:29:40,310 --> 00:29:38,940

the communications efforts the

328

00:29:41,810 --> 00:29:40,320

interviews all of that Communications

329

00:29:43,190 --> 00:29:41,820

work Chris Blair has been pulling that

330

00:29:45,710 --> 00:29:43,200

together so anyway let me just say

331

00:29:47,480 --> 00:29:45,720

quickly this is the team that helped

332

00:29:58,850 --> 00:29:47,490

make this happen for you

333

00:30:04,490 --> 00:30:01,130

all right all right now if before you

334

00:30:06,470 --> 00:30:04,500

all leave if if there are any NASA

335

00:30:08,990 --> 00:30:06,480

volunteers this Army of volunteers that

336

00:30:10,789 --> 00:30:09,000

Rayanne talked about 300 plus covering

337

00:30:14,210 --> 00:30:10,799

all kinds of obstacles are there any

338

00:30:16,970 --> 00:30:14,220

volunteers from NASA retirees current

339

00:30:19,010 --> 00:30:16,980

NASA employees if you are here NASA

340

00:30:20,870 --> 00:30:19,020

employees or contractors who worked

341

00:30:25,250 --> 00:30:20,880

obstacles throughout this weekend if

342

00:30:36,950 --> 00:30:26,570

yeah

343

00:30:40,970 --> 00:30:38,870

special shout out to the pit crew does

344

00:30:49,090 --> 00:30:40,980

anybody did anybody have to use the pit

345

00:30:53,990 --> 00:30:52,130

listen does that pit crew rock or what

346

00:30:55,610 --> 00:30:54,000

man I mean that is they're amazing all

347

00:30:59,510 --> 00:30:55,620

right

348

00:31:00,710 --> 00:30:59,520

about the awards that's all I have I

349

00:31:02,510 --> 00:31:00,720

just want to say thank you to each of

350

00:31:03,769 --> 00:31:02,520

you all and want to let you know that we

351

00:31:06,110 --> 00:31:03,779

are looking forward to you all

352

00:31:07,610 --> 00:31:06,120

participating next year the last thing a

353

00:31:08,630 --> 00:31:07,620

mentor of mine told me that if you have

354

00:31:10,430 --> 00:31:08,640

a microphone and you want to do

355

00:31:13,190 --> 00:31:10,440

something impactful leave the audience

356

00:31:15,470 --> 00:31:13,200

with some kind of a charge or an ask so

357

00:31:17,450 --> 00:31:15,480

my ask to you the students are if you

358

00:31:18,710 --> 00:31:17,460

think this is Meaningful to you if it

359

00:31:20,570 --> 00:31:18,720

matters and you believe that you had a

360

00:31:22,730 --> 00:31:20,580

meaningful experience when you go back

361

00:31:25,010 --> 00:31:22,740

to your schools grab a first-year

362

00:31:27,169 --> 00:31:25,020

student grab a freshman talk to them

363

00:31:29,090 --> 00:31:27,179

about what you did today or this these

364

00:31:30,889 --> 00:31:29,100

last few days and Inspire them to get

365

00:31:36,600 --> 00:31:30,899

involved in human exploration Rover

366

00:31:40,610 --> 00:31:38,630

[Applause]

367

00:31:57,649 --> 00:31:40,620

thank you and I look forward to seeing

368

00:32:01,370 --> 00:31:59,750

all right just one more thing and then

369

00:32:04,010 --> 00:32:01,380

we'll get to the part that y'all want to

370

00:32:06,470 --> 00:32:04,020

get to we want to recognize and thank

371

00:32:09,049 --> 00:32:06,480

our many sponsors their continued

372

00:32:12,289 --> 00:32:09,059

support makes this event possible

373

00:32:14,510 --> 00:32:12,299

each sponsor hopes to inspire you to

374

00:32:16,850 --> 00:32:14,520

pursue stem-related careers and to

375

00:32:19,310 --> 00:32:16,860

continue being Champions and Advocates

376

00:32:20,990 --> 00:32:19,320

of Education please join me in giving

377

00:32:22,400 --> 00:32:21,000

them a round of applause for their

378

00:32:32,450 --> 00:32:22,410

support

379

00:32:36,409 --> 00:32:34,430

all right let's get to the fun part

380

00:32:39,950 --> 00:32:36,419

we're going to commence with the award

381

00:32:42,649 --> 00:32:39,960

presentations for NASA's 2023 human

382

00:32:44,990 --> 00:32:42,659

exploration Rover challenge but first

383

00:32:46,970 --> 00:32:45,000

we're going to do a bit of housekeeping

384

00:32:49,370 --> 00:32:46,980

so once a winning team is announced

385

00:32:50,990 --> 00:32:49,380

please walk slowly down the stairs we

386

00:32:53,750 --> 00:32:51,000

got a lot of folks on the stairs and I

387

00:32:55,909 --> 00:32:53,760

don't want anybody to fall or get hurt

388

00:32:58,010 --> 00:32:55,919

please position yourselves over by the

389

00:33:00,470 --> 00:32:58,020

banners for a team photo but send one

390

00:33:02,450 --> 00:33:00,480

member to collect the award

391

00:33:05,630 --> 00:33:02,460

after your team photo has been taken

392

00:33:07,250 --> 00:33:05,640

please walk slowly back to your seats

393

00:33:09,529 --> 00:33:07,260

all right

394

00:33:11,630 --> 00:33:09,539

our first awards are sponsored by our

395

00:33:13,970 --> 00:33:11,640

amazing industry and Community Partners

396

00:33:16,070 --> 00:33:13,980

so our first award will be the

397

00:33:18,830 --> 00:33:16,080

featherweight award

398

00:33:22,730 --> 00:33:18,840

this award is presented to just one team

399

00:33:39,049 --> 00:33:26,149

and the winner of the 2023 featherweight

400

00:33:44,930 --> 00:33:41,750

the featherweight award is honoring Mr

401
00:33:46,970 --> 00:33:44,940
Ron creel Ron is an original Pioneer of

402
00:33:49,549 --> 00:33:46,980
the Apollo lunar Rovers and one of our

403
00:33:51,470 --> 00:33:49,559
early supporters for this competition

404
00:33:54,470 --> 00:33:51,480
weight management and weight reduction

405
00:33:56,269 --> 00:33:54,480
are critical in space exploration this

406
00:33:57,830 --> 00:33:56,279
award is presented to the team best

407
00:34:00,169 --> 00:33:57,840
addressing and meeting weight

408
00:34:02,029 --> 00:34:00,179
minimization the award team with the

409
00:34:48,060 --> 00:34:02,039
highest score divided by the lowest

410
00:34:48,070 --> 00:35:00,290
[Applause]

411
00:35:06,589 --> 00:35:03,410
our next award is the Jeff Norris and

412
00:35:08,930 --> 00:35:06,599
Joe Sexton pit crew award this award is

413
00:35:11,810 --> 00:35:08,940

selected by the NASA pit crew it's

414

00:35:13,730 --> 00:35:11,820

awarded to one team from each division

415

00:35:16,010 --> 00:35:13,740

we would like to recognize the family of

416

00:35:19,069 --> 00:35:16,020

Jeff Norris who are with us today for

417

00:35:20,329 --> 00:35:19,079

this inaugural Memorial award thank you

418

00:35:23,510 --> 00:35:20,339

the winner

419

00:35:25,670 --> 00:35:23,520

of the 2023 pit crew award in the High

420

00:35:39,770 --> 00:35:25,680

School Division is

421

00:35:39,780 --> 00:35:53,690

[Applause]

422

00:35:58,310 --> 00:35:56,450

the Jeff Norris and Joe Sexton pit crew

423

00:35:59,990 --> 00:35:58,320

award is presented by Michael Frazier

424

00:36:02,630 --> 00:36:00,000

associate director for technical

425

00:36:05,390 --> 00:36:02,640

management engineering directorate at

426

00:36:07,190 --> 00:36:05,400

Nasa Marshall the pit crew award is

427

00:36:09,589 --> 00:36:07,200

presented to the top high school and

428

00:36:12,710 --> 00:36:09,599

college team demonstrating extraordinary

429

00:36:22,750 --> 00:36:12,720

creativity enthusiasm and team spirit

430

00:36:22,760 --> 00:36:32,030

[Applause]

431

00:36:39,069 --> 00:36:35,990

the winner of the 2023 pit crew award in

432

00:36:42,069 --> 00:36:39,079

the college University division is

433

00:36:44,970 --> 00:36:42,079

Instituto espresso lizado de

434

00:37:05,270 --> 00:36:44,980

estudiosuporius superioris Loyola

435

00:37:05,280 --> 00:37:23,750

[Applause]

436

00:37:28,010 --> 00:37:26,030

the NASA pit crew team voted to

437

00:37:30,349 --> 00:37:28,020

determine the award recipients each

438

00:37:33,410 --> 00:37:30,359

award consists of a custom plaque made

439

00:37:36,890 --> 00:37:33,420

from Aerospace grade aluminum alloy and

440

00:37:38,990 --> 00:37:36,900

a 500 cash prize special thanks to our

441

00:37:40,970 --> 00:37:39,000

industry partner shape Fidelity

442

00:37:43,310 --> 00:37:40,980

providing world-class Manufacturing

443

00:37:51,180 --> 00:37:43,320

Services to our NASA team and for

444

00:37:51,190 --> 00:38:02,569

[Applause]

445

00:38:08,930 --> 00:38:04,490

all right

446

00:38:11,210 --> 00:38:08,940

our next award is the safety award

447

00:38:12,650 --> 00:38:11,220

safety is Paramount in all NASA

448

00:38:16,310 --> 00:38:12,660

activities

449

00:38:19,130 --> 00:38:16,320

the winner of the 2023 safety award and

450

00:38:20,569 --> 00:38:19,140

a 500 cash prize in the High School

451
00:38:57,950 --> 00:38:20,579
Division is

452
00:39:02,150 --> 00:39:00,050
the safety award is sponsored by the

453
00:39:04,430 --> 00:39:02,160
American Institute of Aeronautics and

454
00:39:07,550 --> 00:39:04,440
astronautics it is presented by Alan

455
00:39:10,010 --> 00:39:07,560
Lowry vice president of aiaa Greater

456
00:39:12,710 --> 00:39:10,020
Huntsville the safety award recognizes

457
00:39:14,750 --> 00:39:12,720
teams best demonstrating a comprehensive

458
00:39:17,450 --> 00:39:14,760
approach to safety as it relates to

459
00:39:19,490 --> 00:39:17,460
their vehicle to their personnel and to

460
00:39:22,130 --> 00:39:19,500
operations this includes safety reviews

461
00:39:26,550 --> 00:39:22,140
and personal Hazard analysis and failure

462
00:39:26,560 --> 00:39:33,950
[Applause]

463
00:39:39,410 --> 00:39:35,990

all right in the college and university

464

00:39:43,370 --> 00:39:39,420

division the winner of the 2023 safety

465

00:40:34,450 --> 00:39:43,380

award and 500 cash prize is Texas Tech

466

00:40:34,460 --> 00:40:48,170

[Applause]

467

00:40:53,390 --> 00:40:50,930

the next award is the most improved

468

00:40:55,430 --> 00:40:53,400

performance award this award is

469

00:40:56,390 --> 00:40:55,440

presented to one team from both

470

00:40:58,190 --> 00:40:56,400

divisions

471

00:41:01,010 --> 00:40:58,200

the winner of the most improved

472

00:41:03,609 --> 00:41:01,020

performance award and a 250 dollar cash

473

00:41:06,430 --> 00:41:03,619

prize in the High School Division is

474

00:41:09,050 --> 00:41:06,440

Escambia High School

475

00:41:19,190 --> 00:41:09,060

[Music]

476
00:41:23,450 --> 00:41:21,349
the most improved performance award is

477
00:41:26,030 --> 00:41:23,460
sponsored by Jacob's space exploration

478
00:41:28,790 --> 00:41:26,040
group and is presented by Jeff hars Vice

479
00:41:30,530 --> 00:41:28,800
President and program manager a critical

480
00:41:33,650 --> 00:41:30,540
function of the engineering design

481
00:41:35,569 --> 00:41:33,660
process is continual Improvement this is

482
00:41:37,430 --> 00:41:35,579
demonstrated by teams making critical

483
00:42:08,920 --> 00:41:37,440
adjustments and enhancements between

484
00:42:08,930 --> 00:42:17,150
[Applause]

485
00:42:22,069 --> 00:42:19,190
the winner of the most improved

486
00:42:24,290 --> 00:42:22,079
performance award in a 250 dollar cash

487
00:42:25,450 --> 00:42:24,300
prize in the college University division

488
00:42:30,850 --> 00:42:25,460

is

489

00:43:32,270 --> 00:42:30,860

Instituto technological de Santo Domingo

490

00:43:54,950 --> 00:43:33,660

foreign

491

00:44:01,430 --> 00:43:58,010

next up is the infamous Crash and Burn

492

00:44:05,990 --> 00:44:04,190

it is awarded to only one team from both

493

00:44:09,710 --> 00:44:06,000

divisions

494

00:44:12,589 --> 00:44:09,720

the winner of the 2023 Crash and Burn

495

00:44:14,380 --> 00:44:12,599

award is tecnologico De Monterey

496

00:44:33,540 --> 00:44:14,390

Cuernavaca

497

00:44:33,550 --> 00:44:46,670

[Applause]

498

00:44:51,470 --> 00:44:48,890

the crash and burn award is presented by

499

00:44:54,589 --> 00:44:51,480

Tom Hancock the president of kids in

500

00:44:57,650 --> 00:44:54,599

space and our long-standing supporter

501
00:45:01,130 --> 00:44:57,660
the crash and burn award does not

502
00:45:03,890 --> 00:45:01,140
celebrate failure it celebrates agility

503
00:45:06,050 --> 00:45:03,900
flexibility and what we can learn and

504
00:45:08,270 --> 00:45:06,060
improve on in order to be successful

505
00:45:11,270 --> 00:45:08,280
later the words of Thomas Martin

506
00:45:13,430 --> 00:45:11,280
embodied this concept when he said some

507
00:45:58,270 --> 00:45:13,440
of the best Minds in Aerospace have

508
00:45:58,280 --> 00:46:08,270
thank you

509
00:46:12,230 --> 00:46:10,430
if you would please join me in a round

510
00:46:14,180 --> 00:46:12,240
of applause for our partners for

511
00:46:22,790 --> 00:46:14,190
sponsoring these Awards

512
00:46:30,349 --> 00:46:27,589
all right next up is the spirit award

513
00:46:33,470 --> 00:46:30,359

and is awarded to one team from both

514

00:46:40,450 --> 00:46:37,609

the winner of the 2023 Spirit award in

515

00:46:49,880 --> 00:46:40,460

the High School Division is

516

00:46:49,890 --> 00:47:17,630

[Applause]

517

00:47:22,670 --> 00:47:20,450

the spirit award is a peer award it was

518

00:47:24,920 --> 00:47:22,680

voted on by each of you our students

519

00:47:33,860 --> 00:47:24,930

here today it represents

520

00:47:33,870 --> 00:47:40,609

[Music]

521

00:47:45,230 --> 00:47:42,950

the spirit award represents dedication

522

00:47:47,750 --> 00:47:45,240

positive attitude and teamwork during

523

00:47:52,130 --> 00:47:47,760

the on-site events

524

00:47:54,470 --> 00:47:52,140

our next award is the social media award

525

00:47:58,069 --> 00:47:54,480

this award is presented to one team from

526
00:48:00,710 --> 00:47:58,079
both divisions this year's 2023 social

527
00:48:03,470 --> 00:48:00,720
media Award winner in the High School

528
00:48:04,390 --> 00:48:03,480
Division is Young Tinker Educational

529
00:48:13,820 --> 00:48:04,400
Foundation

530
00:49:13,370 --> 00:48:41,280
[Applause]

531
00:49:18,230 --> 00:49:15,710
the social media award highlights the

532
00:49:19,970 --> 00:49:18,240
importance of communication social media

533
00:49:22,790 --> 00:49:19,980
platforms allow students to share

534
00:49:25,730 --> 00:49:22,800
progress with NASA but also to inform

535
00:49:28,430 --> 00:49:25,740
and educate the public to engage others

536
00:49:30,230 --> 00:49:28,440
interested in stem topics and to inspire

537
00:49:33,290 --> 00:49:30,240
the Next Generation

538
00:49:34,910 --> 00:49:33,300

this year's 2023 social media Award

539

00:49:39,270 --> 00:49:34,920

winner in the college University

540

00:50:46,590 --> 00:49:39,280

division is Kia group of institutions

541

00:50:46,600 --> 00:50:55,730

[Applause]

542

00:51:00,650 --> 00:50:58,250

our next award is the stem engagement

543

00:51:02,150 --> 00:51:00,660

award it's presented again to one team

544

00:51:05,870 --> 00:51:02,160

from both divisions

545

00:51:07,490 --> 00:51:05,880

this year's 2023 stem engagement award

546

00:52:13,190 --> 00:51:07,500

in the height winner in the High School

547

00:52:13,200 --> 00:52:21,589

[Applause]

548

00:52:25,849 --> 00:52:23,870

the stem engagement award is awarded to

549

00:52:28,430 --> 00:52:25,859

teams demonstrating great success

550

00:52:30,650 --> 00:52:28,440

engaging and educating students and the

551
00:52:32,690 --> 00:52:30,660
public teams are asked to conduct

552
00:52:35,510 --> 00:52:32,700
Hands-On instructional stem activities

553
00:52:36,950 --> 00:52:35,520
with at least 200 participants in person

554
00:52:39,290 --> 00:52:36,960
or online

555
00:52:41,809 --> 00:52:39,300
this year's stem engagement Award winner

556
00:52:42,950 --> 00:52:41,819
in the college University division goes

557
00:53:52,950 --> 00:52:42,960
to

558
00:53:52,960 --> 00:54:10,790
[Applause]

559
00:54:16,010 --> 00:54:13,309
our next award is the project review

560
00:54:19,430 --> 00:54:16,020
award it's awarded again to one team

561
00:54:24,589 --> 00:54:21,770
this year's High School Division project

562
00:54:26,930 --> 00:54:24,599
review Award winner is

563
00:54:40,069 --> 00:54:26,940

The Academy of Arts career and

564

00:54:44,450 --> 00:54:42,470

the project review award recognizes

565

00:54:46,609 --> 00:54:44,460

excellence in the reports required

566

00:54:48,470 --> 00:54:46,619

throughout the year winning teams

567

00:54:50,809 --> 00:54:48,480

display growth and Improvement of their

568

00:54:53,750 --> 00:54:50,819

plan from October until the on-site

569

00:54:55,190 --> 00:54:53,760

event teams identify and improve aspects

570

00:54:57,710 --> 00:54:55,200

of their plan from design and

571

00:55:31,549 --> 00:54:57,720

construction to safety mitigation as

572

00:55:31,559 --> 00:55:35,390

foreign

573

00:55:35,400 --> 00:55:45,049

[Applause]

574

00:55:49,490 --> 00:55:47,450

the winner of the project review award

575

00:55:50,809 --> 00:55:49,500

in the college and university division

576
00:55:53,329 --> 00:55:50,819
is

577
00:56:49,630 --> 00:55:53,339
burla Institute of Technology and

578
00:56:49,640 --> 00:57:08,030
[Applause]

579
00:57:14,210 --> 00:57:11,150
next up is the Phoenix award again

580
00:57:17,569 --> 00:57:14,220
awarded to one team from both divisions

581
00:57:19,730 --> 00:57:17,579
the winner of the 2023 Phoenix award in

582
00:57:29,220 --> 00:57:19,740
the High School Division is

583
00:57:32,339 --> 00:57:32,329
[Applause]

584
00:57:36,410 --> 00:57:34,730
the Phoenix award recognizes teams who

585
00:57:38,030 --> 00:57:36,420
have raised their scores with the

586
00:57:40,010 --> 00:57:38,040
greatest improvement from the design

587
00:57:42,109 --> 00:57:40,020
review to the operational Readiness

588
00:57:44,990 --> 00:57:42,119

review they've applied the feedback

589

00:57:47,030 --> 00:57:45,000

given by NASA experts to their plan they

590

00:57:49,549 --> 00:57:47,040

improve their overall understanding of

591

00:57:51,890 --> 00:57:49,559

the engineering design process and

592

00:58:20,350 --> 00:57:51,900

they've demonstrated growth in overall

593

00:58:20,360 --> 00:58:31,849

[Applause]

594

00:58:38,089 --> 00:58:34,190

in the college and university division

595

00:58:42,670 --> 00:58:38,099

the winner of the 2023 Phoenix award

596

00:59:49,549 --> 00:59:42,070

[Applause]

597

00:59:55,430 --> 00:59:52,670

our next award is the Ingenuity award it

598

00:59:58,910 --> 00:59:55,440

is presented to one team only

599

01:00:00,730 --> 00:59:58,920

this year's winner of the 2023 Ingenuity

600

01:00:03,289 --> 01:00:00,740

award is

601
01:00:24,289 --> 01:00:03,299
tecnologico de monterey

602
01:00:28,730 --> 01:00:26,569
the Ingenuity award is given to the team

603
01:00:31,250 --> 01:00:28,740
who has impressed NASA with distinctive

604
01:00:33,829 --> 01:00:31,260
Ingenuity regardless of their division

605
01:00:35,990 --> 01:00:33,839
it's critical we approach complex

606
01:01:20,089 --> 01:00:36,000
engineering problems in unique and

607
01:01:34,549 --> 01:01:21,600
foreign

608
01:01:39,410 --> 01:01:37,430
the next award recognizes success for

609
01:01:42,770 --> 01:01:39,420
the task challenge it's awarded to one

610
01:01:44,270 --> 01:01:42,780
team from both divisions the 2023 task

611
01:01:47,630 --> 01:01:44,280
challenge award in the High School

612
01:01:54,080 --> 01:01:47,640
Division goes to Academy of Arts careers

613
01:01:54,090 --> 01:01:59,450

[Applause]

614

01:02:03,589 --> 01:02:01,789

the task challenge award is given to the

615

01:02:06,589 --> 01:02:03,599

team in each division who best

616

01:02:08,930 --> 01:02:06,599

demonstrates a multi-tool design for the

617

01:02:11,089 --> 01:02:08,940

liquid sample retrieval task

618

01:02:13,069 --> 01:02:11,099

testing tools on Earth helps improve

619

01:02:49,760 --> 01:02:13,079

processes for our future Artemis

620

01:02:49,770 --> 01:02:58,069

[Applause]

621

01:03:03,770 --> 01:03:00,829

the 2023 task challenge award for the

622

01:03:05,870 --> 01:03:03,780

college and university division goes to

623

01:03:52,040 --> 01:03:05,880

Owensboro Community and Technical

624

01:04:34,250 --> 01:04:24,140

[Applause]

625

01:04:39,230 --> 01:04:36,289

we're now going to move on and announce

626
01:04:40,849 --> 01:04:39,240
the overall winners for the 2023 season

627
01:04:43,430 --> 01:04:40,859
in both high school and college

628
01:04:45,170 --> 01:04:43,440
University divisions

629
01:04:48,289 --> 01:04:45,180
our third place winner in the High

630
01:06:14,990 --> 01:04:48,299
School Division is Escola estadual de

631
01:06:20,150 --> 01:06:16,970
our third place winner in the college

632
01:07:49,820 --> 01:06:20,160
and university division is Ohio Northern

633
01:07:49,830 --> 01:07:56,390
[Music]

634
01:08:01,609 --> 01:07:58,970
all right the second place winning team

635
01:09:05,889 --> 01:08:01,619
in the High School Division is Parish

636
01:09:05,899 --> 01:09:22,490
[Music]

637
01:09:27,709 --> 01:09:24,769
in the college and university division

638
01:09:29,870 --> 01:09:27,719

the second place winning team is

639

01:10:39,050 --> 01:09:29,880

Owensboro Technical and Community

640

01:10:43,850 --> 01:10:41,390

all right our final Awards I'd like to

641

01:10:46,130 --> 01:10:43,860

thank Mr Jeff hars who's come back up to

642

01:10:48,830 --> 01:10:46,140

the stage the vice president and program

643

01:10:50,570 --> 01:10:48,840

manager with Jacob's space exploration

644

01:10:51,590 --> 01:10:50,580

group who will be helping to hand these

645

01:10:53,270 --> 01:10:51,600

out

646

01:10:55,550 --> 01:10:53,280

and now

647

01:10:58,430 --> 01:10:55,560

it is my distinct pleasure to announce

648

01:11:02,689 --> 01:10:58,440

the winner of the High School Division

649

01:11:03,830 --> 01:11:02,699

for NASA's 2023 human exploration Rover

650

01:11:09,920 --> 01:11:03,840

challenge

651
01:11:09,930 --> 01:13:04,070

[Music]

652
01:13:08,090 --> 01:13:05,810

and the winner

653
01:13:11,930 --> 01:13:08,100

of the college and university division

654
01:13:14,149 --> 01:13:11,940

for NASA's 2023 human exploration Rover

655
01:15:28,610 --> 01:13:14,159

challenge is

656
01:15:33,050 --> 01:15:31,010

we'd like to say congratulations to all

657
01:15:34,970 --> 01:15:33,060

of the the teams who participated as

658
01:15:37,790 --> 01:15:34,980

well as the parents Educators and

659
01:15:39,830 --> 01:15:37,800

mentors your effort and dedication has

660
01:15:40,550 --> 01:15:39,840

not gone unnoticed let's give everyone a

661
01:15:41,190 --> 01:15:40,560

round of applause

662
01:15:51,530 --> 01:15:41,200

[Applause]

663
01:15:59,470 --> 01:15:53,750

it's now my pleasure to welcome for our

664

01:16:05,689 --> 01:16:02,390

[Applause]

665

01:16:06,590 --> 01:16:05,699

what an amazing three days we've had

666

01:16:09,830 --> 01:16:06,600

together

667

01:16:13,550 --> 01:16:09,840

what an amazing year you've had coming

668

01:16:15,430 --> 01:16:13,560

back to hurt live after four years

669

01:16:18,410 --> 01:16:15,440

when we were talking about this event

670

01:16:22,910 --> 01:16:18,420

and the fact that we had to cancel it so

671

01:16:27,530 --> 01:16:22,920

suddenly in March of 2020 just one month

672

01:16:29,870 --> 01:16:27,540

before we were set to to ride here we

673

01:16:32,570 --> 01:16:29,880

had to make a quick decision when the

674

01:16:35,570 --> 01:16:32,580

world was in such turmoil and indecision

675

01:16:39,470 --> 01:16:35,580

we had International Teams who were

676
01:16:41,810 --> 01:16:39,480
prepared to come and needed visas and

677
01:16:44,570 --> 01:16:41,820
had very other tight time constraints

678
01:16:48,590 --> 01:16:44,580
and we made a decision that we felt was

679
01:16:50,510 --> 01:16:48,600
the safest for everyone concerned and as

680
01:16:52,370 --> 01:16:50,520
life played out it was the right

681
01:16:53,810 --> 01:16:52,380
decision at the time and so we're glad

682
01:16:56,689 --> 01:16:53,820
that we made it

683
01:16:59,330 --> 01:16:56,699
when we think about this year we think

684
01:17:03,410 --> 01:16:59,340
about the fact that as students

685
01:17:06,050 --> 01:17:03,420
the only student who could have had a

686
01:17:07,810 --> 01:17:06,060
prior herc experience would have been a

687
01:17:12,130 --> 01:17:07,820
student who was on a high school team

688
01:17:15,590 --> 01:17:12,140

and then migrated to a college team for

689

01:17:17,810 --> 01:17:15,600

2023. do we have any student in the

690

01:17:21,410 --> 01:17:17,820

building who was on a high school team

691

01:17:23,689 --> 01:17:21,420

and competed her before and then is here

692

01:17:44,149 --> 01:17:23,699

now in a college or university team if

693

01:17:49,610 --> 01:17:46,250

I count five

694

01:17:53,870 --> 01:17:49,620

and that is an amazing amazing

695

01:17:56,330 --> 01:17:53,880

dedication and a show of resilience that

696

01:18:05,030 --> 01:17:56,340

deserves an award and Applause all its

697

01:18:10,310 --> 01:18:07,610

we want to thank again the U.S Space and

698

01:18:13,070 --> 01:18:10,320

Rocket Center for providing us excellent

699

01:18:14,930 --> 01:18:13,080

facilities uh the race was in a new

700

01:18:17,510 --> 01:18:14,940

location most of you don't even know

701
01:18:19,310 --> 01:18:17,520
that but it was a new race a new course

702
01:18:20,810 --> 01:18:19,320
and a new place

703
01:18:22,550 --> 01:18:20,820
um and we've we've done a lot of

704
01:18:24,950 --> 01:18:22,560
adjusting and changing for that we

705
01:18:28,490 --> 01:18:24,960
changed the race itself not race the

706
01:18:30,470 --> 01:18:28,500
challenge itself to incorporate uh

707
01:18:34,910 --> 01:18:30,480
design reviews and design plans project

708
01:18:38,689 --> 01:18:34,920
plans and try to increase the rigor and

709
01:18:41,330 --> 01:18:38,699
try to increase the focus on not only

710
01:18:43,490 --> 01:18:41,340
mechanical capability but design

711
01:18:44,689 --> 01:18:43,500
capability and showing us what you've

712
01:18:47,209 --> 01:18:44,699
got here

713
01:18:49,250 --> 01:18:47,219

and here and I think that all of you all

714

01:18:50,930 --> 01:18:49,260

have done that it was so amazing to

715

01:18:55,130 --> 01:18:50,940

watch you go out on the course

716

01:18:58,729 --> 01:18:55,140

and persevere push through come back fix

717

01:19:01,729 --> 01:18:58,739

it ask a lot of questions seek help and

718

01:19:03,530 --> 01:19:01,739

assistance from the teams around you or

719

01:19:05,570 --> 01:19:03,540

teams that you had already connected

720

01:19:07,910 --> 01:19:05,580

with and networked with and then go back

721

01:19:09,950 --> 01:19:07,920

out and run it again and what I love

722

01:19:11,930 --> 01:19:09,960

more than anything else was how no

723

01:19:15,470 --> 01:19:11,940

matter what happened

724

01:19:18,050 --> 01:19:15,480

there was a team to help a team in every

725

01:19:19,910 --> 01:19:18,060

single situation one particular

726

01:19:22,310 --> 01:19:19,920

situation that stands out we had a

727

01:19:25,370 --> 01:19:22,320

medical uh Challenge on the field at one

728

01:19:26,930 --> 01:19:25,380

point in time and without missing a Beat

729

01:19:29,510 --> 01:19:26,940

Texas Tech

730

01:19:31,550 --> 01:19:29,520

helped that team from Singapore to

731

01:19:44,330 --> 01:19:31,560

address their needs their concerns and

732

01:19:48,050 --> 01:19:46,310

and I also discovered that not only are

733

01:19:50,030 --> 01:19:48,060

you all stem students but a whole lot of

734

01:19:52,010 --> 01:19:50,040

you are studying to be EMTs on the side

735

01:19:55,010 --> 01:19:52,020

and everything else so I got a lot of

736

01:19:56,689 --> 01:19:55,020

medical uh uh information coming in at

737

01:19:59,090 --> 01:19:56,699

me for that one

738

01:20:01,189 --> 01:19:59,100

um I just want to keep it brief and and

739

01:20:04,310 --> 01:20:01,199

really say thank you for coming out and

740

01:20:08,209 --> 01:20:04,320

making our 29th human exploration Rover

741

01:20:10,610 --> 01:20:08,219

challenge so exciting so successful uh

742

01:20:12,229 --> 01:20:10,620

so rejuvenating and inspiring for us as

743

01:20:14,330 --> 01:20:12,239

the herc team

744

01:20:16,310 --> 01:20:14,340

I want to remind you that next year is

745

01:20:19,010 --> 01:20:16,320

the 30th

746

01:20:22,250 --> 01:20:19,020

there'll be a little some little special

747

01:20:26,870 --> 01:20:22,260

surprises for that but also we want to

748

01:20:30,050 --> 01:20:26,880

see you all back here so strong ready

749

01:20:32,750 --> 01:20:30,060

your planning will start in August or or

750

01:20:34,970 --> 01:20:32,760

maybe you never stop I don't know but we

751
01:20:38,330 --> 01:20:34,980
hope to see you all back here next year

752
01:20:39,770 --> 01:20:38,340
at this time a couple housekeeping as we

753
01:20:43,370 --> 01:20:39,780
leave

754
01:20:46,189 --> 01:20:43,380
first I need to ask you as you exit the

755
01:20:48,890 --> 01:20:46,199
building to please exit this room

756
01:20:51,950 --> 01:20:48,900
by the front there is another event

757
01:20:54,649 --> 01:20:51,960
going on in the Davidson center it's a

758
01:20:56,570 --> 01:20:54,659
prom and they happen to be getting ready

759
01:20:58,850 --> 01:20:56,580
for it and arriving back there so if you

760
01:21:01,490 --> 01:20:58,860
can exit this way that would be great

761
01:21:04,010 --> 01:21:01,500
and let them have their experience some

762
01:21:05,689 --> 01:21:04,020
of you all are like prom what's prom I

763
01:21:08,570 --> 01:21:05,699

miss prom because I was out of school

764

01:21:13,189 --> 01:21:08,580

for three years so I get it but they're

765

01:21:13,199 --> 01:21:16,790

yeah I'm a teacher

766

01:21:21,490 --> 01:21:19,669

the second thing as you exit on the

767

01:21:25,430 --> 01:21:21,500

table against the wall to your left

768

01:21:27,530 --> 01:21:25,440

there are copies of the first woman uh

769

01:21:30,169 --> 01:21:27,540

comic book the first woman

770

01:21:33,410 --> 01:21:30,179

um graphic Comics thank you showing my

771

01:21:35,630 --> 01:21:33,420

age graphic comics and please take them

772

01:21:38,330 --> 01:21:35,640

take them for yourself take some back

773

01:21:40,430 --> 01:21:38,340

for your stem engagement with your uh

774

01:21:42,709 --> 01:21:40,440

the students that you work with and we

775

01:21:44,810 --> 01:21:42,719

have copies in English they're going to

776

01:21:47,450 --> 01:21:44,820

be toward the front and we have copies

777

01:21:49,970 --> 01:21:47,460

in Spanish toward the back so please

778

01:21:52,250 --> 01:21:49,980

take them with you use them in your stem

779

01:21:56,090 --> 01:21:52,260

engagement keep wowing us with what

780

01:21:58,490 --> 01:21:56,100

you've got and and last request

781

01:22:01,790 --> 01:21:58,500

email us you have the email address

782

01:22:04,370 --> 01:22:01,800

you've used it tons of times for lots of

783

01:22:07,370 --> 01:22:04,380

different questions but as you go back

784

01:22:10,070 --> 01:22:07,380

and reflect as a team email us at the

785

01:22:12,770 --> 01:22:10,080

herc email address tell us what you

786

01:22:14,390 --> 01:22:12,780

thought do your surveys but also use

787

01:22:16,790 --> 01:22:14,400

this opportunity to tell us what you

788

01:22:19,250 --> 01:22:16,800

thought give us suggestions if you like

789

01:22:21,169 --> 01:22:19,260

or just tell us what's on your mind

790

01:22:23,990 --> 01:22:21,179

we want to hear from you so thank you

791

01:22:26,149 --> 01:22:24,000

very much thank you to the winners thank

792

01:22:28,490 --> 01:22:26,159

you to all the participants and we love