



1
00:00:15,120 --> 00:00:27,670

reality

2
00:00:31,750 --> 00:00:29,750

this week our team learned about failure

3
00:00:33,590 --> 00:00:31,760

but more importantly how failure can

4
00:00:35,750 --> 00:00:33,600

ultimately lead to success when you

5
00:00:40,549 --> 00:00:35,760

remain positive and continue to push

6
00:00:43,590 --> 00:00:41,830

the white team was in charge of

7
00:00:45,670 --> 00:00:43,600

designing the living there aspect of a

8
00:00:47,510 --> 00:00:45,680

mars mission throughout the week we

9
00:00:49,350 --> 00:00:47,520

researched the necessary life support

10
00:00:50,950 --> 00:00:49,360

systems that would keep astronauts safe

11
00:00:52,709 --> 00:00:50,960

while they were on mars

12
00:00:55,189 --> 00:00:52,719

these systems included plant growth

13
00:00:57,670 --> 00:00:55,199

facilities climate hazard facilities and

14

00:00:59,830 --> 00:00:57,680

in-situ resource harvesting facilities

15

00:01:02,150 --> 00:00:59,840

after interviews with nasa specialists

16

00:01:03,750 --> 00:01:02,160

and extensive research we are confident

17

00:01:10,469 --> 00:01:03,760

that our mission will provide adequate

18

00:01:14,149 --> 00:01:12,230

my favorite part of haas has been

19

00:01:16,550 --> 00:01:14,159

meeting new people who share my same

20

00:01:18,469 --> 00:01:16,560

passion for space exploration and having

21

00:02:22,470 --> 00:01:18,479

the opportunity to work as a team to

22

00:02:25,510 --> 00:02:24,070

we had the great opportunity to

23

00:02:27,670 --> 00:02:25,520

interview jackie allen who was a

24

00:02:28,949 --> 00:02:27,680

geologist here at nasa one of the most

25

00:02:30,470 --> 00:02:28,959

important things that we learned from

26

00:02:32,949 --> 00:02:30,480

her was that roxanna mars actually

27

00:02:34,710 --> 00:02:32,959

contain large amounts of oxidized iron

28

00:02:44,229 --> 00:02:34,720

which when separated can provide a good

29

00:02:48,869 --> 00:02:46,309

we were fortunate enough to meet norm

30

00:02:50,550 --> 00:02:48,879

chaffey who helped work on the saturn v

31

00:02:52,390 --> 00:02:50,560

maneuvering engines

32

00:02:54,710 --> 00:02:52,400

he taught us that the three stages were

33

00:02:57,670 --> 00:02:54,720

made by three different companies boeing

34

00:02:59,190 --> 00:02:57,680

north american and douglas aircraft

35

00:03:00,949 --> 00:02:59,200

while he was working on the maneuvering

36

00:03:03,110 --> 00:03:00,959

engines he had to figure out a way to

37

00:03:04,790 --> 00:03:03,120

get the fuel and zero gravity to the

38

00:03:06,149 --> 00:03:04,800

engines since it would just float around

39

00:03:08,630 --> 00:03:06,159

in space

40

00:03:10,470 --> 00:03:08,640

he told us about the five f1 engines

41

00:03:12,470 --> 00:03:10,480

that the first stage used

42

00:03:13,990 --> 00:03:12,480

burning liquid oxygen to help break

43

00:03:16,070 --> 00:03:14,000

earth's orbit

44

00:03:17,670 --> 00:03:16,080

getting the opportunity to learn about

45

00:03:29,030 --> 00:03:17,680

rockets from someone with so much

46

00:03:33,270 --> 00:03:30,869

wednesday night all the haw students

47

00:03:35,430 --> 00:03:33,280

participated in a lofter challenge this

48

00:03:37,670 --> 00:03:35,440

event required us to use balloons and a

49

00:03:39,990 --> 00:03:37,680

straw to launch our lander supplies up

50

00:03:41,830 --> 00:03:40,000

to the second floor this was a very

51
00:03:43,670 --> 00:03:41,840
difficult challenge but most of the

52
00:03:45,830 --> 00:03:43,680
teams were able to lift at least one

53
00:03:48,630 --> 00:03:45,840
thing up the competition was a great

54
00:03:58,390 --> 00:03:48,640
opportunity to test our teams and our

55
00:04:02,710 --> 00:04:00,470
our team enjoyed the lander challenge

56
00:04:04,550 --> 00:04:02,720
the most because we were able to take

57
00:04:07,030 --> 00:04:04,560
all of our unique skills

58
00:04:08,149 --> 00:04:07,040
and come together to build a successful

59
00:04:10,630 --> 00:04:08,159
lander

60
00:04:12,789 --> 00:04:10,640
as nerve-wracking as it was to watch our

61
00:04:15,429 --> 00:04:12,799
project fall three stories it was

62
00:04:33,990 --> 00:04:15,439
rewarding in the end and a lot of fun

63
00:04:37,830 --> 00:04:35,510

thursday morning we got the chance to

64

00:04:39,430 --> 00:04:37,840

listen to astronaut jerry ross who is

65

00:04:40,629 --> 00:04:39,440

the first person to launch into space

66

00:04:41,830 --> 00:04:40,639

seven times

67

00:04:43,749 --> 00:04:41,840

he talked to us about his journey