1
00:00:08,070 --> 00:00:06,630
what we enjoyed most was making new

2
00:00:10,310 --> 00:00:08,080
friends learning about new career

3
00:00:12,310 --> 00:00:10,320
options and going places the average

4
00:00:14,070 --> 00:00:12,320
person wouldn't get to go we're the red

5
00:00:15,910 --> 00:00:14,080
team and we had three questions to

6
00:00:18,230 --> 00:00:15,920
answer how do we get there where are we

7
00:00:20,950 --> 00:00:18,240
going and how to go safely so the three

8
00:00:23,429 --> 00:00:20,960
subtopics we picked for the presentation

9
00:00:25,509 --> 00:00:23,439
are interplanetary spacecraft and design

10
00:00:28,550 --> 00:00:25,519
which include propulsion timelines and

11
00:00:30,470 --> 00:00:28,560
communication systems landing sites and

12
00:00:32,150 --> 00:00:30,480
rationale and risk assessment

13
00:00:34,549 --> 00:00:32,160

the most important lesson we learned is

14
00:00:36,709 --> 00:00:34,559
the value of communication and truly

15
00:00:39,110 --> 00:00:36,719
listening to everyone's ideas

16
00:00:40,790 --> 00:00:39,120
because it can truly be applied to every

17
00:00:42,790 --> 00:00:40,800
single facet of life whether you're in a

18
00:00:54,549 --> 00:00:42,800
school group or in the professional

19
00:00:58,150 --> 00:00:56,310
jane gensler the czech's integrator for

20
00:00:59,910 --> 00:00:58,160
the international space station spoke to

21
00:01:02,229 --> 00:00:59,920
us during lunch about her experiences

22
00:01:04,390 --> 00:01:02,239
traveling to various locations

23
00:01:06,469 --> 00:01:04,400
and we learned that the international

24
00:01:12,870 --> 00:01:06,479
space station is composed of 12 years of

25
00:01:17,590 --> 00:01:14,950
jerry woodfield a nasa engineer who

26
00:01:19,670 --> 00:01:17,600
worked on apollo 11 13 spoke to us about

27
00:01:21,270 --> 00:01:19,680
failure is not an option we learned that

28
00:01:36,950 --> 00:01:21,280
failure is truly a fact of life and

29
00:01:41,429 --> 00:01:38,950
during apollo night milt heflin told us

30
00:01:43,590 --> 00:01:41,439
to be doers and to get things done as we

31
00:01:45,749 --> 00:01:43,600
sat in historic missions

32
00:01:46,389 --> 00:01:45,759
thank you for being so patient with me

33
00:01:55,670 --> 00:01:46,399
and

34
00:01:59,910 --> 00:01:57,510
we had the opportunity to interview a

35
00:02:01,429 --> 00:01:59,920
nasa employee chris radke he's a

36
00:02:03,510 --> 00:02:01,439
mechanical engineer and a propulsion

37
00:02:05,429 --> 00:02:03,520
expert because our group was in charge

38
00:02:07,350 --> 00:02:05,439

of getting to and from mars he aided us

39
00:02:09,350 --> 00:02:07,360
in the choosing of our propulsion system

40
00:02:16,949 --> 00:02:09,360
and some of the necessary landing

41
00:02:20,949 --> 00:02:18,869
we got to tour the johnson space center

42
00:02:23,350 --> 00:02:20,959
and visited places like the space

43
00:02:25,030 --> 00:02:23,360
vehicle mock-up facility in rocket park

44
00:02:26,949 --> 00:02:25,040
the tram took us

45
00:02:28,869 --> 00:02:26,959
between buildings and we walked around

46
00:02:30,869 --> 00:02:28,879
inside we discovered that mission

47
00:02:36,710 --> 00:02:30,879
control center is an official historic

48
00:02:39,670 --> 00:02:38,150
throughout the week we were broken up

49
00:02:41,750 --> 00:02:39,680
into groups of four

50
00:02:43,589 --> 00:02:41,760
we did activities called brain breaks

51
00:02:45,750 --> 00:02:43,599
the activities consisted of new

52
00:02:54,550 --> 00:02:45,760
opportunities to learn about nasa

53
00:02:59,350 --> 00:02:56,470
on the first night we designed a tool

54
00:03:01,670 --> 00:02:59,360
for the coolant system on the iss and

55
00:03:12,710 --> 00:03:01,680
was it was constructed on a 3d program

56
00:03:18,470 --> 00:03:15,270
each team designed and programmed a mars

57
00:03:21,030 --> 00:03:18,480
rover to push around various objects we

58
00:03:23,589 --> 00:03:21,040
were given certain constraints but the

59
00:03:34,869 --> 00:03:23,599
main goal was to maintain the budget in

60
00:03:38,309 --> 00:03:36,949
hi my name is omer

61
00:03:39,670 --> 00:03:38,319
anna

62
00:03:43,509 --> 00:03:39,680
rebecca

63
00:03:44,470 --> 00:03:43,519

katherine christina roberto chandler

64
00:03:48,229 --> 00:03:44,480
keeley