
SpacetoGround

1
00:00:02,696 --> 00:00:04,656
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:05,336 --> 00:00:07,606
WELCOME TO SPACE TO
GROUND, I AM KAYLA LAFRANCE.

3
00:00:07,976 --> 00:00:10,986
THIS WEEK ASTRONAUTS ONBOARD
THE STATION HAVE BEEN TAKING

4
00:00:10,986 --> 00:00:11,466
OUT THE TRASH.

5
00:00:12,616 --> 00:00:14,226
THE CREW HAS BEEN BUSY PACKING

6
00:00:14,286 --> 00:00:18,386
AND PREPARING THE NORTHRUP
GRUMMAN CYGNUS CRS-10 RESUPPLY

7
00:00:18,386 --> 00:00:20,966
VEHICLE FOR ITS UPCOMING
DEPARTURE FROM THE STATION.

8
00:00:21,636 --> 00:00:24,536
CYGNUS ARRIVED AT THE
STATION BACK ON NOVEMBER 19TH.

9
00:00:24,996 --> 00:00:28,546
AFTER THE CREW UNSTOWED OVER
7000 POUNDS OF NEW SUPPLIES,

10
00:00:28,856 --> 00:00:30,846
THEY BEGAN TO FILL THE
VEHICLE WITH THE TRASH

11
00:00:30,906 --> 00:00:32,906

THAT HAS ACCUMULATED
ON THE STATION

12
00:00:32,906 --> 00:00:34,096
OVER THE PAST FEW MONTHS.

13
00:00:34,096 --> 00:00:36,506
THERE'S NO TRASH
PICKUP IN SPACE,

14
00:00:36,816 --> 00:00:39,266
WHICH MEANS THAT THE
CREW HAS TO STOCK PILE IT

15
00:00:39,346 --> 00:00:42,496
UNTIL A VEHICLE IS READY TO
DEPART FILLED WITH THOUSANDS

16
00:00:42,496 --> 00:00:45,516
OF POUNDS OF DISPOSABLE
ITEMS, ULTIMATELY BURNING

17
00:00:45,516 --> 00:00:47,456
UP IN THE ATMOSPHERE
DURING REENTRY.

18
00:00:47,806 --> 00:00:50,336
BE SURE TO TUNE INTO
NASA TV ON FEBRUARY 8

19
00:00:50,466 --> 00:00:52,836
TO WATCH CYGNUS DEPART
LIVE STARTING

20
00:00:52,836 --> 00:00:55,516
AT 10:45 AM EASTERN
STANDARD TIME.

21
00:00:56,426 --> 00:00:59,966
NASA ASTRONAUT ANNE MCCLAIN

TEAMED UP WITH STUDENTS ON EARTH

22
00:01:00,356 --> 00:01:02,646
FOR A HIGH-FLYING
ROBOTICS COMPETITION.

23
00:01:03,496 --> 00:01:07,096
THE SPHERES-ZERO-ROBOTICS
EXPERIMENTS IS A COMPETITION

24
00:01:07,096 --> 00:01:09,916
FOR HIGH SCHOOL STUDENTS THAT
HAS THEM WRITE ALGORITHMS

25
00:01:10,116 --> 00:01:13,266
FOR FREE-FLYING ROBOTIC
SATELLITES, PROGRAMMING THEM

26
00:01:13,376 --> 00:01:16,986
TO ACCOMPLISH COMPLEX TASKS
IN SPACE; SUCH AS DOCKING,

27
00:01:17,356 --> 00:01:19,046
ASSEMBLY, AND FORMATION FLIGHT.

28
00:01:19,466 --> 00:01:22,816
THE COMPETITION PROVIDES THESE
STUDENTS THE OPPORTUNITY TO ACT

29
00:01:22,816 --> 00:01:26,256
AS PROGRAMMERS AND GROUND
CONTROLLERS, GIVING THEM HANDS

30
00:01:26,256 --> 00:01:28,676
ON EXPERIENCE WITH
REAL RESEARCH IN SPACE.

31
00:01:29,176 --> 00:01:34,026
THE FIRST FLIGHT OF NASA'S
COMMERCIAL CREW PROGRAM IS RIGHT

32
00:01:34,026 --> 00:01:34,726
AROUND THE CORNER.

33
00:01:35,336 --> 00:01:39,166
SPACEX SUCCESSFULLY CONDUCTED
WHAT'S KNOWN AS A HOT-FIRE TEST

34
00:01:39,596 --> 00:01:41,996
WITH THEIR FALCON 9
ROCKET ON THE LAUNCH PAD

35
00:01:42,126 --> 00:01:43,766
AT KENNEDY SPACE
CENTER IN FLORIDA.

36
00:01:44,336 --> 00:01:46,686
THIS WAS AN IMPORTANT
MILESTONE ON THE ROAD

37
00:01:46,686 --> 00:01:51,146
TO DEMONSTRATION MISSION-1, OR
DM-1, AN UNCREWED TEST FLIGHT

38
00:01:51,316 --> 00:01:53,966
AND THE FIRST MISSION OF
A NEW SPACECRAFT DESIGNED

39
00:01:53,966 --> 00:01:56,466
TO CARRY ASTRONAUTS TO THE
INTERNATIONAL SPACE STATION.

40
00:01:57,276 --> 00:01:59,506
DM-1 IS CURRENTLY
TARGETED FOR FEBRUARY,

41
00:01:59,846 --> 00:02:02,816
SO HEAD OVER TO
NASA.GOV/COMMERCIALCREW

42
00:02:02,816 --> 00:02:06,206
FOR ALL THE LATEST UPDATES.