



Space to Ground

1

00:00:03,409 --> 00:00:06,070

WELCOME TO SPACE TO GROUND, I'M KATHRYN
CLAYTON.

2

00:00:06,070 --> 00:00:10,210

THIS WEEK WE'RE HIGHLIGHTING THE CONTRIBUTIONS
OF STUDENTS ACROSS THE NATION,

3

00:00:10,210 --> 00:00:12,700

AND A SET OF UPCOMING SPACEWALKS.

4

00:00:13,480 --> 00:00:16,240

SENDING SUPPLIES TO THE INTERNATIONAL SPACE
STATION

5

00:00:16,240 --> 00:00:17,700

REQUIRES A DIFFERENT PACKING METHOD

6

00:00:17,700 --> 00:00:20,360

THAN THE LUGGAGE WE USE TO TRAVEL ON EARTH.

7

00:00:20,360 --> 00:00:22,490

SPECIAL FLIGHT LOCKERS ARE USED TO TRANSPORT

8

00:00:22,490 --> 00:00:25,480

SUPPLIES FROM EARTH TO THE INTERNATIONAL SPACE STATION.

9

00:00:25,960 --> 00:00:27,420

FOUR OF THESE LOCKERS LAUNCHED

10

00:00:27,420 --> 00:00:30,280

ON THE SPACEX DEMO-2 FLIGHT TO THE STATION.

11

00:00:30,280 --> 00:00:31,900

THE LOCKERS WERE BUILT BY STUDENTS

12

00:00:31,900 --> 00:00:34,800

FROM AROUND THE COUNTRY THROUGH A PROGRAM

CALLED NASA HUNCH,

13

00:00:34,800 --> 00:00:38,440

OR HIGH SCHOOL STUDENTS UNITED WITH NASA TO
CREATE HARDWARE.

14

00:00:38,440 --> 00:00:40,370

HUNCH PROVIDES STUDENTS AN OPPORTUNITY

15

00:00:40,370 --> 00:00:43,320

TO PLAY AN ACTIVE ROLE IN THE SPACE PROGRAM.

16

00:00:43,320 --> 00:00:46,580

STUDENTS IN 277 SCHOOLS IN 44 STATES

17

00:00:46,580 --> 00:00:49,210

CAN PARTICIPATE IN ONE OF SIX FOCUS AREAS

18

00:00:49,210 --> 00:00:50,829

TO PRODUCE ITEMS FOR SPACE FLIGHT

19

00:00:50,829 --> 00:00:53,200

OR TRAINING SUCH AS THE FLIGHT LOCKERS.

20

00:00:53,200 --> 00:00:54,480

ONE OF THE STUDENT BUILT LOCKERS

21

00:00:54,480 --> 00:00:56,090

WILL EVEN RETURN TO EARTH.

22

00:00:56,090 --> 00:00:59,840

LEARN MORE ABOUT THE HUNCH PROGRAM AT NASAHUNCH.COM.

23

00:01:00,660 --> 00:01:03,660

NASA ASTRONAUTS CHRIS CASSIDY AND BOB BEHNKEN

24

00:01:03,670 --> 00:01:05,360

ARE PREPARING FOR A SET OF SPACEWALKS

25

00:01:05,360 --> 00:01:08,470

TO CONTINUE THE POWER UPGRADES ON THE STATION.

26

00:01:08,470 --> 00:01:11,220

ON JUNE 26TH AND JULY 1ST THE ASTRONAUTS

27

00:01:11,220 --> 00:01:13,130

WILL BEGIN THE REPLACEMENT OF BATTERIES

28

00:01:13,130 --> 00:01:15,830

FOR ONE OF THE POWER CHANNELS ON THE ISS.

29

00:01:15,830 --> 00:01:18,810

THE ASTRONAUTS WILL REPLACE AGING NICKEL-
HYDROGEN BATTERIES

30

00:01:18,810 --> 00:01:21,970

ON ONE OF THE POWER CHANNELS ON THE FAR STARBOARD TRUSS

31

00:01:21,970 --> 00:01:24,470

WITH NEW LITHIUM ION BATTERIES THAT WERE DELIVERED

32

00:01:24,470 --> 00:01:26,830

ON THE JAPANESE CARGO SHIP LAST MONTH.

33

00:01:26,830 --> 00:01:29,250

NASA-TV AND THE NASA WEBSITE

34

00:01:29,250 --> 00:01:31,020

WILL BROADCAST THE SPACEWALKS LIVE

35

00:01:31,020 --> 00:01:32,780

SO YOU CAN CATCH ALL THE ACTION.

36

00:01:33,380 --> 00:01:35,300

THIS WEEKS QUESTION COMES FROM BEN

37

00:01:35,310 --> 00:01:37,800

AT RJO INTERMEDIATE SCHOOL.

38

00:01:37,800 --> 00:01:41,420

BEN WANTS TO KNOW WHEN THE ISS WAS LAUNCHED
INTO SPACE.

39

00:01:41,880 --> 00:01:46,880

THE ISS BEGAN WITH THE LAUNCH OF A 41.2 FOOT
MODULE NAMED ZARYA.

40

00:01:46,940 --> 00:01:49,820

ZARYA, WHICH TRANSLATES TO SUNRISE IN ENGLISH,

41

00:01:49,830 --> 00:01:52,530

WAS LAUNCHED ON A THREE STAGE RUSSIAN PROTON ROCKET

42

00:01:52,530 --> 00:01:56,120

FROM KAZAKHSTAN RUSSIA ON NOVEMBER 20, 1998.

43

00:01:56,120 --> 00:01:59,280

CONTINUOUS HUMAN PRESENCE ON ISS DIDN'T BEGIN

44

00:01:59,280 --> 00:02:02,840

UNTIL THE DOCKING OF SOYUZ TM-31 TO THE ISS

45

00:02:02,840 --> 00:02:04,920

WITH THE EXPEDITION 1 CREW.

46

00:02:05,260 --> 00:02:08,940

"THE FIRST EXPEDITION ON SPACE STATION

47

00:02:08,940 --> 00:02:13,880

REQUEST PERMISSION TO TAKE THE RADIO CALL
SIGN ALPHA."

48

00:02:13,890 --> 00:02:16,070

THIS NOVEMBER WE WILL BE CELEBRATING 20 YEARS

49

00:02:16,070 --> 00:02:19,160

OF CONTINUOUS HUMAN PRESENCE ON THE ISS IN
SPACE.

50

00:02:20,200 --> 00:02:23,100

KEEP SENDING IN YOUR QUESTIONS USING THE HASHTAG ASKNASA.

51

00:02:23,100 --> 00:02:24,840

WE'LL SEE YOU NEXT WEEK.

52

00:02:26,820 --> 00:02:30,020

"WE'RE COUNTING DOWN TO 20 CONTINUOUS
YEARS