



# SPACE TO GROUND

1  
00:00:00,606 --> 00:00:02,996  
"HOUSTON, STATION  
ON SPACE TO GROUND."

2  
00:00:02,996 --> 00:00:07,016  
WELCOME TO THE FIRST SPACE TO  
GROUND OF 2018, I'M HAYLEY FICK.

3  
00:00:07,296 --> 00:00:09,986  
WHILE EVERYONE ELSE WAS TAKING  
A BREAK OVER THE HOLIDAYS,

4  
00:00:10,206 --> 00:00:12,796  
THE SPACE STATION WAS  
STILL IN FULL OPERATION.

5  
00:00:13,346 --> 00:00:16,486  
AFTER DELIVERING THOUSANDS OF  
POUNDS OF SCIENCE AND SUPPLIES

6  
00:00:16,486 --> 00:00:20,546  
ON DECEMBER 17, A SPACEX DRAGON  
CARGO VEHICLE WILL DEPART THE

7  
00:00:20,616 --> 00:00:23,906  
SPACE STATION AT 5 A.M.  
EASTERN TIME ON JANUARY 13.

8  
00:00:23,906 --> 00:00:26,866  
THEN THE SPACECRAFT WILL  
SPLASHDOWN IN THE PACIFIC OCEAN

9  
00:00:26,866 --> 00:00:30,206  
AT 10:38 A.M. EASTERN TIME  
WITH SEVERAL THOUSAND POUNDS

10  
00:00:30,206 --> 00:00:32,126  
OF SCIENCE SAMPLES  
AND VEHICLE HARDWARE.

11

00:00:32,456 --> 00:00:34,346  
YOU CAN WATCH DRAGON  
LEAVE THE STATION LIVE

12

00:00:34,346 --> 00:00:37,806  
ON NASA TV STARTING  
AT 4:30 A.M. EASTERN.

13

00:00:38,176 --> 00:00:40,046  
EVEN WHEN WE'RE IN  
THE DEAD OF WINTER,

14

00:00:40,046 --> 00:00:42,526  
IT'S ALWAYS GROWING SEASON  
ABOARD THE SPACE STATION.

15

00:00:42,526 --> 00:00:45,916  
FOR THE ADVANCED PLANT  
EXPERIMENT, OR APEX-05,

16

00:00:45,916 --> 00:00:49,206  
INVESTIGATION, ASTRONAUT SCOTT  
TINGLE CHECKED PETRI DISHES

17

00:00:49,206 --> 00:00:51,906  
FOR CONDENSATION AND  
INSTALLED AN INSTRUMENT

18

00:00:51,906 --> 00:00:52,716  
FOR IMAGING THIS WEEK.

19

00:00:52,716 --> 00:00:55,726  
THE APEX-05 EXPERIMENT  
GROWS DIFFERENT WILD

20

00:00:55,726 --> 00:00:57,286  
AND MUTANT VARIETIES  
OF THALE CRESS,

21

00:00:57,556 --> 00:00:59,396  
IN ORDER TO UNDERSTAND  
HOW THEIR GENETIC

22  
00:00:59,396 --> 00:01:02,386  
AND MOLECULAR STRESS RESPONSE  
SYSTEMS WORK IN SPACE.

23  
00:01:02,996 --> 00:01:04,236  
THE PLANTS GROW FROM SEEDS

24  
00:01:04,236 --> 00:01:06,656  
IN THE VEGGIE PLANT GROWTH  
FACILITY ABOARD THE SPACE

25  
00:01:06,656 --> 00:01:09,186  
STATION, ARE FROZEN,  
AND RETURNED TO EARTH

26  
00:01:09,186 --> 00:01:10,826  
FOR DETAILED LABORATORY  
ANALYSIS.

27  
00:01:10,886 --> 00:01:13,986  
THE CENTER FOR ADVANCEMENT  
OF SCIENCE IN SPACE

28  
00:01:13,986 --> 00:01:16,536  
AND MARVEL ENTERTAINMENT  
ARE CHALLENGING STUDENTS

29  
00:01:16,536 --> 00:01:19,416  
TO DESIGN A MICROGRAVITY  
EXPERIMENT BASED

30  
00:01:19,416 --> 00:01:20,326  
ON THE CHARACTERISTICS

31  
00:01:20,326 --> 00:01:23,716  
OF POPULAR MARVEL COMICS SUPER

HEROES - ROCKET AND GROOT.

32

00:01:23,716 --> 00:01:26,516  
THE CONTEST WILL RUN  
THROUGH JANUARY 31.

33

00:01:26,516 --> 00:01:28,616  
AFTER THE CONTEST CONCLUDES,

34

00:01:28,916 --> 00:01:31,976  
TWO STUDENT-SUBMITTED FLIGHT  
CONCEPTS WILL SEE THEIR VISION

35

00:01:31,976 --> 00:01:35,646  
TURNED INTO REALITY AND BECOME  
AN OFFICIAL ISS NATIONAL LAB

36

00:01:35,646 --> 00:01:38,526  
INVESTIGATION, LAUNCHING TO  
THE SPACE STATION THIS YEAR.

37

00:01:39,066 --> 00:01:42,876  
LEARN MORE AT SPACESTATION  
EXPLORERS.ORG/MARVEL.

38

00:01:43,656 --> 00:01:46,326  
KEEP SENDING IN YOUR QUESTIONS  
USING THE HASHTAG SPACE

39

00:01:46,376 --> 00:01:46,796  
TO GROUND.

40

00:01:46,796 --> 00:01:48,666  
AND FOR THOSE EDUCATORS  
OUT THERE,

41

00:01:48,886 --> 00:01:52,036  
VISIT NASA.GOV/STEMONSTATION  
TO FIND WAYS

42

00:01:52,036 --> 00:01:55,776

TO GET INVOLVED DURING NASA'S  
YEAR OF EDUCATION, A CELEBRATION

43

00:01:55,776 --> 00:01:58,486

OF AN ALMOST 12-MONTH  
PRESENCE OF A TEACHER