
SCIENCE LAUNCHING
TO SPACE STATION

1
00:00:00,333 --> 00:00:03,436
WHY ARE WE SENDING
A STUDENT-DESIGNED DNA EXPERIMENT

2
00:00:03,436 --> 00:00:06,873
EQUIPMENT TO
OBSERVE THUNDERSTORMS

3
00:00:06,873 --> 00:00:10,143
AND PLANT SEEDS
TO THE SPACE STATION?

4
00:00:12,345 --> 00:00:16,549
NEW EXPERIMENTS WILL SOON
ARRIVE AT THE INTERNATIONAL SPACE STATION

5
00:00:16,549 --> 00:00:20,787
FOR THE BENEFIT OF HUMANITY AND
FUTURE MISSIONS TO SPACE

6
00:00:20,787 --> 00:00:24,491
HERE'S A LOOK AT WHAT'S ABOARD
SPACEX'S 28TH CARGO MISSION FOR NASA

7
00:00:24,491 --> 00:00:31,364
Thunderstorm observation equipment could improve understanding of Earth's climate and weather.

8
00:00:31,364 --> 00:00:46,413
A CubeSat will observe space weathering of geological samples and compare to processes on planetary bodie

9
00:00:46,413 --> 00:00:58,291
Growing a second generation of plant seeds in space could show whether gene changes transfer to future gen

10
00:00:58,291 --> 00:01:10,270
A student-designed DNA experiment will test a technique to measure telomere length in microgravity.

11
00:01:10,270 --> 00:01:22,449
A CubeSat with a wide-angle camera will observe thawing of Arctic ice and permafrost to monitor Earth's clima

12
00:01:22,849 --> 00:01:27,120
THESE EXPERIMENTS JOIN THE
HUNDREDS OF ONGOING INVESTIGATIONS

13
00:01:27,120 --> 00:01:29,989
ABOARD THE
ORBITING LABORATORY.