SCIENCE LAUNCHING
TO SPACE STATION

1
00:00:00,333 --> 00:00:03,436
WHY ARE WE SENDING
LIQUID RESIN

2
00:00:03,436 --> 00:00:06,840
NEW SOLAR ARRAYS

3
00:00:06,840 --> 00:00:12,345
AND TOMATOES
TO SPACE?

4
00:00:12,345 --> 00:00:16,549
DOZENS OF 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 --> 00:00:24,691
LET'S TAKE A LOOK AT WHAT'S ON BOARD
THE 26TH SPACEX CARGO MISSION

7
00:00:24,691 --> 00:00:29,829
The space station is adding energy-production
capabilities with the installation of

8
00:00:29,829 --> 00:00:36,036
Roll Out Solar Array technology. The latest
iROSAs are set to launch in the trunk of Dragon.

9
00:00:36,036 --> 00:00:42,175
NASA researchers are examining a
mini-microscope kit that could

10
00:00:42,175 --> 00:00:47,914
provide medical diagnoses on future
missions to the Moon or Mars.

11

00:00:47,914 --> 00:00:53,520
A new tool for capturing detailed high-speed
video of the eyes will collect precise data an

12
00:00:53,520 --> 00:00:59,793
ocular alignment and assess
vestibular function.

13
00:00:59,793 --> 00:01:06,232
The station crew is ready to grow
dwarf tomatoes to better understand

14
00:01:06,232 --> 00:01:11,938
how light quality and fertilizer affect
fruit production in microgravity.

15
00:01:11,938 --> 00:01:18,378
A technology using resin to create geometries
that cannot be made on Earth could

16
00:01:18,378 --> 00:01:24,117
enable in-space fabrication of large
structures such as space stations.

17
00:01:24,117 --> 00:01:30,557
In-space production of nutrients may help
maintain crew health on future space missions.

18
00:01:30,557 --> 00:01:35,995
An on-demand system using yogurt,
kefir, and yeast tests this capability.

19
00:01:36,396 --> 00:01:40,667
THESE EXPERIMENTS WILL JOIN THE
HUNDREDS OF ONGOING INVESTIGATIONS

20
00:01:40,667 --> 00:01:43,536
ABOARD THE
ORBITING LABORATORY.