

TW@N

THIS WEEK @ NASA



1
00:00:00,633 --> 00:00:03,470
An update on our Artemis I Moon mission ...

2
00:00:03,937 --> 00:00:06,840
The right moves for a small satellite mission ...

3
00:00:06,840 --> 00:00:11,177
And a bright idea to search for water ice on the Moon ...

4
00:00:11,177 --> 00:00:15,081
a few of the stories to tell you about – This Week at NASA!

5
00:00:15,782 --> 00:00:19,652
NASA is still targeting Nov. 14 for the launch of our

6
00:00:19,652 --> 00:00:23,690
Space Launch System rocket and Orion spacecraft on Artemis I.

7
00:00:24,090 --> 00:00:28,228
The uncrewed flight test will send Orion beyond the Moon and back to Earth.

8
00:00:28,661 --> 00:00:32,432
For updates go to blogs.nasa.gov/artemis.

9
00:00:33,133 --> 00:00:36,302
After a successful trajectory correction maneuver,

10
00:00:36,302 --> 00:00:41,875
the CAPSTONE spacecraft is still expected to arrive in lunar orbit on Nov. 13.

11
00:00:42,542 --> 00:00:46,246
CAPSTONE will test the same unique,

elliptical lunar orbit

12

00:00:46,246 --> 00:00:50,650

that the Gateway lunar outpost
will use as part of our Artemis program.

13

00:00:51,451 --> 00:00:54,421

NASA's Lunar Flashlight is a small satellite

14

00:00:54,421 --> 00:00:58,825

that will use lasers to search for water
ice inside the darkest craters

15

00:00:58,825 --> 00:01:00,827

at the Moon's South Pole.

16

00:01:00,827 --> 00:01:04,064

Water ice could provide
a valuable resource for astronauts

17

00:01:04,064 --> 00:01:05,932

on future Moon missions.

18

00:01:05,932 --> 00:01:08,935

Lunar Flashlight
is targeted for launch in November.

19

00:01:09,636 --> 00:01:14,040

This NASA visualization simulates
the lighting at the South Pole of the Moon

20

00:01:14,040 --> 00:01:17,277

for all of 2023 and gives you an idea

21

00:01:17,277 --> 00:01:19,846

of what some of the craters
will look like from above.

22

00:01:20,580 --> 00:01:22,882

Data from our Lunar Reconnaissance Orbiter

23

00:01:22,882 --> 00:01:25,385

were used to create this visualization.

24

00:01:25,885 --> 00:01:27,987

That's what's up this week @NASA ...