TW@N

THIS WEEK @ NASA

1
00:00:00,033 --> 00:00:02,802
The next crew of astronauts heading to the
space station …

2
00:00:02,802 --> 00:00:06,439
An update on our Artemis I mega Moon rocket and spacecraft …

3
00:00:06,439 --> 00:00:08,875
And celebrating our home planet …

4
00:00:08,875 --> 00:00:12,045
a few of the stories
to tell you about – This Week at NASA!

5
00:00:13,613 --> 00:00:15,782
On April 18, the astronauts

6
00:00:15,782 --> 00:00:19,652
of our SpaceX Crew-4 mission
arrived at our Kennedy Space Center

7
00:00:19,853 --> 00:00:22,922
to prepare for their launch
to the International Space Station.

8
00:00:23,356 --> 00:00:26,793
NASA’s Kjell Lindgren,
Bob Hines, and Jessica Watkins,

9
00:00:27,060 --> 00:00:30,630
along with Samantha Cristoforetti
of the European Space Agency

10
00:00:30,797 --> 00:00:34,234
are excited about their scientific
expedition to the station.

11
00:00:34,234 --> 00:00:39,339
“We’ve been training for many,

many months and we're starting to –

12
00:00:39,339 --> 00:00:41,875
we're seeing all of those boxes
getting checked off.

13
00:00:41,875 --> 00:00:46,212
And it's very exciting now
to have this box checked off.

14
00:00:46,212 --> 00:00:48,281
We're here at Kennedy Space Center,

15
00:00:48,982 --> 00:00:52,252
looking forward to our launch here
in the very near future."

16
00:00:52,318 --> 00:00:56,189
The mission is the fourth crew rotation
flight to the station on a SpaceX

17
00:00:56,189 --> 00:01:00,326
Crew Dragon spacecraft
as part of NASA's Commercial Crew Program.

18
00:01:01,961 --> 00:01:04,531
NASA is reviewing schedules and options

19
00:01:04,531 --> 00:01:08,568
to conduct the next wet dress
rehearsal test of our Space Launch System

20
00:01:08,568 --> 00:01:13,873
or SLS rocket and Orion spacecraft
at our Kennedy Space Center in Florida.

21
00:01:14,407 --> 00:01:18,845
The agency has decided to roll the Artemis
I mega Moon rocket and spacecraft

22
00:01:18,978 --> 00:01:23,283
back to the Vehicle Assembly Building
to replace a valve and repair a leak,

23
00:01:23,483 --> 00:01:26,686
while an off-site supplier of gaseous
nitrogen,

24
00:01:26,719 --> 00:01:29,923
used for the test,
makes upgrades to their systems.

25
00:01:30,390 --> 00:01:34,260
You can follow NASA's Artemis
blog for status updates on the test

26
00:01:34,527 --> 00:01:37,597
at: blogs.nasa.gov/artemis.

27
00:01:39,132 --> 00:01:40,800
In celebration of Earth Day,

28
00:01:40,800 --> 00:01:45,038
we hosted a free, public event
at Union Station in Washington, D.C.

29
00:01:45,538 --> 00:01:49,709
The 3-day event, which kicked off on April
22, featured information

30
00:01:49,709 --> 00:01:54,781
about NASA science, live demonstrations,
and other family friendly activities.

31
00:01:55,215 --> 00:01:59,119
In conjunction with this in-person event,
we also hosted Earth

32
00:01:59,119 --> 00:02:03,823

Day celebrations online
that began with live events on April 22.

33
00:02:04,357 --> 00:02:08,895
The online activities will continue
to be available on-demand through May 2.

34
00:02:09,462 --> 00:02:12,765
This includes some content
that is also available in Spanish.

35
00:02:13,199 --> 00:02:16,069
Learn more at nasa.gov/earthday.

36
00:02:17,670 --> 00:02:19,439
Our X-59 quiet

37
00:02:19,439 --> 00:02:24,410
supersonic experimental aircraft is back
at Lockheed Martin’s Skunk Works facility

38
00:02:24,410 --> 00:02:29,115
in Southern California after months
of critical ground tests in Texas.

39
00:02:29,749 --> 00:02:33,419
The testing was conducted
to ensure the aircraft could withstand

40
00:02:33,419 --> 00:02:35,855
the loads
and stresses of supersonic flight.

41
00:02:36,422 --> 00:02:40,026
The X-59 will now undergo further
testing and development

42
00:02:40,193 --> 00:02:43,029
as engineers continue
making progress toward its

43
00:02:43,029 --> 00:02:46,866
first demonstration
flights over communities around the U.S.

44
00:02:46,933 --> 00:02:50,103
starting in 2024.

45
00:02:50,103 --> 00:02:52,071
On April 18, cosmonauts

46
00:02:52,071 --> 00:02:56,943
Oleg Artemyev and Denis
Matveev of Roscosmos completed a 6-hour

47
00:02:56,943 --> 00:03:00,780
and 37-minute spacewalk
outside the International Space Station.

48
00:03:01,414 --> 00:03:06,152
The pair installed and connected
a control panel for the 37-foot-long

49
00:03:06,152 --> 00:03:11,090
European robotic arm mounted to the Nauka
multipurpose laboratory module.

50
00:03:11,491 --> 00:03:15,361
This was the 249th spacewalk
for space station assembly,

51
00:03:15,361 --> 00:03:19,232
maintenance, and upgrades.
That’s what’s up this week @NASA …