



TW@N

THIS WEEK @ NASA

1
00:00:00,125 --> 00:00:04,004
Highlighting the value of NASA
the next resupply mission to the space

2
00:00:04,004 --> 00:00:07,507
station, and a milestone for the James
Webb Space Telescope.

3
00:00:07,757 --> 00:00:10,885
A few of the stories
to tell you about this week at NASA.

4
00:00:14,180 --> 00:00:17,892
During a speech at the 36th Space
Symposium in Colorado,

5
00:00:17,892 --> 00:00:22,022
our administrator, Bill Nelson,
discussed the benefits and value of NASA

6
00:00:22,230 --> 00:00:26,943
from the economic boost and jobs created
by endeavors like our Artemis program,

7
00:00:27,110 --> 00:00:30,655
which will help prepare us
for future human exploration of Mars.

8
00:00:31,072 --> 00:00:33,825
Its missions will make new discoveries.

9
00:00:34,242 --> 00:00:36,286
Advance technologies.

10
00:00:36,286 --> 00:00:41,082
And show us how to live
and to work in another world

11
00:00:41,374 --> 00:00:45,295

to promoting STEM education
and inspiring younger generations

12

00:00:45,295 --> 00:00:48,214

to continue exploring
and to build a better future.

13

00:00:48,381 --> 00:00:52,469

One in which groundbreaking missions
such as our James Webb Space Telescope

14

00:00:52,719 --> 00:00:55,972

could help us gain unprecedented knowledge
about the universe.

15

00:00:56,347 --> 00:01:00,393

Both the administrator also pointed out
that while we will always

16

00:01:00,393 --> 00:01:03,855

look upward and push
outward into the unknown,

17

00:01:05,398 --> 00:01:07,484

central to our mission

18

00:01:08,276 --> 00:01:12,572

is protecting this planet,
which we do by monitoring weather,

19

00:01:12,572 --> 00:01:15,700

natural disasters,
and climate trends from space

20

00:01:15,909 --> 00:01:19,537

making massive research available
for industry to create spinoff

21

00:01:19,537 --> 00:01:23,500

technologies, for practical uses on Earth,

investing in innovative,

22

00:01:23,500 --> 00:01:27,629

cutting edge technologies
and fostering international partnerships

23

00:01:27,629 --> 00:01:31,633

which are vital to the success of future
human space exploration.

24

00:01:32,217 --> 00:01:37,514

We are a can do people as a nation

25

00:01:38,431 --> 00:01:41,476

and as members of a global society

26

00:01:42,727 --> 00:01:45,355

for America to lead in space

27

00:01:45,438 --> 00:01:48,274

and in turn, to continue
to lead here on Earth.

28

00:01:49,234 --> 00:01:52,529

It will take all of us working together.

29

00:01:53,238 --> 00:01:57,325

The next SpaceX X Dragon cargo spacecraft
to the International Space Station

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00:01:57,325 --> 00:02:00,161

will deliver a variety
of science investigations,

31

00:02:00,328 --> 00:02:04,833

including a new robotic arm demonstration
that could potentially be used on Earth

32

00:02:04,833 --> 00:02:09,462

for disaster relief and a study
to determine if metabolites from grapes,

33

00:02:09,462 --> 00:02:14,843

skins and seeds used in winemaking
could help prevent and treat osteoporosis.

34

00:02:15,218 --> 00:02:16,177

This is the company's

35

00:02:16,177 --> 00:02:20,140

twenty third commercial resupply services
mission to the space station for NASA.

36

00:02:20,557 --> 00:02:24,185

Our James Webb Space
Telescope has completed its final tests,

37

00:02:24,185 --> 00:02:28,064

and preparations are underway
to ship the observatory to its

38

00:02:28,064 --> 00:02:31,943

launch site in Kourou, French Guiana
after it launches

39

00:02:31,943 --> 00:02:35,697

where it will take about a month to fly
to its intended orbital location.

40

00:02:35,738 --> 00:02:38,992

Nearly one million miles away
from Earth, scientific

41

00:02:38,992 --> 00:02:42,245

operations are expected
to start about six months after launch.

42

00:02:42,620 --> 00:02:46,416

It will be the world's premiere

space science observatory when it launches

43

00:02:46,416 --> 00:02:50,295
in 2021 and will solve mysteries
in our solar system

44

00:02:50,461 --> 00:02:54,591
and teach us more about the origins
of our universe and our place in it.

45

00:02:55,258 --> 00:03:00,388
We named Teams AIR company of Brooklyn,
New York HAGO Energetics, Inc.

46

00:03:00,388 --> 00:03:04,184
of Thousand Oaks, California,
and SSwEET from the University

47

00:03:04,184 --> 00:03:05,602
of California, Berkeley.

48

00:03:05,602 --> 00:03:08,771
Winners of the agency's
CO2 conversion challenge.

49

00:03:09,397 --> 00:03:13,484
The contest challenges problem solvers
to come up with ways to convert

50

00:03:13,484 --> 00:03:18,573
carbon dioxide, a principal element
in the atmosphere on Mars into sugar,

51

00:03:18,781 --> 00:03:23,745
which astronauts could use to make food,
medicine, fuel and other useful products.

52

00:03:24,245 --> 00:03:26,706
Learn more about this
and other opportunities

53

00:03:26,706 --> 00:03:31,002

to provide solutions

to NASA at [NASA.gov/solve](https://www.nasa.gov/solve).

54

00:03:31,920 --> 00:03:34,714

That's what's up

this week at NASA For more on these