



REACH
— NEW —
HEIGHTS

BENEFIT
— ALL —
HUMANKIND

REVEAL
— THE —
UNKNOWN



1
00:00:08,580 --> 00:00:09,580

[Music]

2
00:00:09,580 --> 00:00:13,250

At NASA, innovation drives our journey to reach new heights and reveal the unknown,

3
00:00:13,250 --> 00:00:15,880

which will benefit all of humanity.

4
00:00:15,880 --> 00:00:20,640

That work is part of a vital strategy to equip our nation with the technologies for the future.

5
00:00:20,640 --> 00:00:25,630

To inspire a new generation of explorers to make the next giant leap in human experience.

6
00:00:25,630 --> 00:00:32,189

NASA innovation spurs economic growth while continuing U.S. leadership in space and breakthroughs

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00:00:32,189 --> 00:00:33,650

in science and technology.

8
00:00:33,650 --> 00:00:38,190

It's such a thrill working for NASA and exploring the universe

9
00:00:38,190 --> 00:00:39,550

NASA is on a journey to Mars.

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00:00:39,550 --> 00:00:40,770

[Rocket and background speech]

11
00:00:40,770 --> 00:00:44,019

This ambitious goal involves everything that we do.

12

00:00:44,019 --> 00:00:47,910

It will transform technology and define our generation.

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00:00:47,910 --> 00:00:50,089

Robotic explorers are paving the way to Mars.

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00:00:50,089 --> 00:00:53,949

We're learning enormous amounts about the surface of Mars daily.

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00:00:53,949 --> 00:00:58,960

In the coming years another lander and a new rover will discover even more.

16

00:00:58,960 --> 00:01:04,180

We're working hard on the solvable challenges of sending humanity to the Red Planet for

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00:01:04,180 --> 00:01:05,180

the first time.

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00:01:05,180 --> 00:01:11,150

That includes innovation in propulsion, radiation shielding and landing large payloads.

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00:01:11,150 --> 00:01:16,870

The Orion spacecraft, which will carry astronauts deeper into the solar system than ever before,

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00:01:16,870 --> 00:01:21,070

has achieved a major milestone with its first spaceflight.

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00:01:21,070 --> 00:01:25,720

Soon it will fly on the most powerful rocket ever built, the Space Launch System, which

22

00:01:25,720 --> 00:01:27,670

has moved from concept to development.

23
00:01:27,670 --> 00:01:32,480
We're advancing the journey to Mars through progress on the Asteroid Redirect Mission.

24
00:01:32,480 --> 00:01:38,920
To send people to an asteroid, use what we learn from that mission and then someday send

25
00:01:38,920 --> 00:01:40,120
people to Mars.

26
00:01:40,120 --> 00:01:44,880
NASA's mission to an asteroid will test new capabilities in the proving ground of

27
00:01:44,880 --> 00:01:46,090
deep space.

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00:01:46,090 --> 00:01:51,440
Our journey to Mars also is unfolding right now aboard the International Space Station.

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00:01:51,440 --> 00:01:57,659
The station facilitates growth of a robust commercial market in low-Earth orbit for scientific

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00:01:57,659 --> 00:02:03,390
research, technology development, and for transporting both people and cargo.

31
00:02:03,390 --> 00:02:08,350
Together we're operating experiments Off Earth, For Earth that are helping us learn

32
00:02:08,350 --> 00:02:13,069
how to improve life for humans living both off and on our planet.

33
00:02:13,069 --> 00:02:17,731
The station is our outpost on the edge of deep space, where we are advancing human and

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00:02:17,731 --> 00:02:20,060
robotic exploration of farther destinations.

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00:02:20,060 --> 00:02:25,260
American companies are developing systems in which astronauts soon will travel from

36
00:02:25,260 --> 00:02:28,200
the United States to low-Earth orbit.

37
00:02:28,200 --> 00:02:32,920
Commercial partnerships are helping us take the next giant leap by developing new ways

38
00:02:32,920 --> 00:02:38,420
of reaching space, creating jobs, and enabling NASA to focus on the cutting edge technologies

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00:02:38,420 --> 00:02:39,840
for future missions.

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00:02:39,840 --> 00:02:45,560
Technology drives exploration, and at NASA, transformative capabilities and cutting-edge

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00:02:45,560 --> 00:02:49,950
technologies are being developed, tested and flown today.

42
00:02:49,950 --> 00:02:55,200
Our impressive set of science missions takes us on a journey of discovery to understand

43
00:02:55,200 --> 00:03:00,349
our home planet and its sun, search for life

beyond and explore the origins and future

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00:03:00,349 --> 00:03:01,349

of the universe.

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00:03:01,349 --> 00:03:04,750

The most important planet we study is the one on which we live.

46

00:03:04,750 --> 00:03:09,230

As a leader in Earth science, NASA's constantly expanding view of our planet from space is

47

00:03:09,230 --> 00:03:12,599

helping us understand our home planet and its changes.

48

00:03:12,599 --> 00:03:17,660

Air travel fuels our modern world, and NASA is committed to transforming aviation.

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00:03:17,660 --> 00:03:22,349

We're dramatically reducing air traffic's environmental impact, maintaining safety in

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00:03:22,349 --> 00:03:27,570

more crowded skies, and paving the way towards revolutionary aircraft technology.

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00:03:27,570 --> 00:03:32,069

NASA is with you when you fly, and taking you on the Journey to Mars.

52

00:03:32,069 --> 00:03:36,730

Everything NASA does improves life on Earth, raises the bar of human achievement and making

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00:03:36,730 --> 00:03:38,879

tomorrow's discoveries today.

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00:03:38,879 --> 00:03:44,260

We're America's National Aeronautics and
Space Administration, and every day we're