
NASA 2022
THE FUTURE IS NOW

1
00:00:00,000 --> 00:00:04,404
Studying every phase of cosmic history

2
00:00:04,404 --> 00:00:08,575
Leading humanity into the next era of exploration

3
00:00:08,575 --> 00:00:12,846
This is NASA 2022

4
00:00:12,846 --> 00:00:16,082
Explore Beyond

5
00:00:16,082 --> 00:00:20,120
James Webb Space Telescope first light
Receive the first images from our new flagship astrophysics telescope

6
00:00:20,120 --> 00:00:23,690
DART impact
Test our planetary defense capabilities

7
00:00:23,690 --> 00:00:26,893
IXPE first light
Explore black holes and other cosmic objects in X-Ray light

8
00:00:26,960 --> 00:00:31,297
Psyche launch
Send a spacecraft to a metal-rich asteroid

9
00:00:31,297 --> 00:00:35,301
GUSTO launch
Study cosmic material with a balloon-carried telescope

10
00:00:35,301 --> 00:00:38,538
At the Moon

11
00:00:38,538 --> 00:00:42,475
Artemis I launch
Send the first uncrewed Artemis mission around the Moon and back to Earth

12
00:00:42,475 --> 00:00:47,247
Intuitive Machines, Astrobotic
Send NASA payloads to the surface of the Moon with three commercial lunar missions

13
00:00:47,247 --> 00:00:51,284
CAPSTONE launch
Check out a lunar orbit for future human exploration

14
00:00:51,284 --> 00:00:54,487
Humans in Space

15
00:00:54,487 --> 00:00:58,491
Set the American record for a single spaceflight with Mark Vande Hei

16
00:00:58,491 --> 00:01:02,062
Maximize research aboard International Space Station

17
00:01:02,062 --> 00:01:05,632
Enable low-Earth orbit economy
Test Boeing’s Starliner for regular crew missions

18
00:01:05,632 --> 00:01:10,103
Enable low-Earth orbit economy
Fly Expedition Crews to and from station with SpaceX

19
00:01:10,103 --> 00:01:13,673
Enable low-Earth orbit economy
Launch our first private astronaut mission to station with Axiom Space

20
00:01:13,673 --> 00:01:16,876
Space Technology

21
00:01:16,876 --> 00:01:20,480
Low-Earth Orbit Flight Test of an Inflatable Decelerator
Demonstrate a new type of heat shield for atmospheric re-entry

22
00:01:20,480 --> 00:01:23,683
Advanced Composite Solar Sail System
Deploy an apartment-sized solar sail from a CubeSat

23
00:01:23,683 --> 00:01:26,519
Laser Communications Relay Demonstration first light
Test communications technology to send and receive data from space using lasers

24
00:01:26,519 --> 00:01:29,689
Deep Space Optical Communications launch
Test communications technology to send and receive data from space using lasers

25
00:01:29,689 --> 00:01:32,859
Future of Flight

26
00:01:32,859 --> 00:01:36,896
X-59 QueSST first flight
Fly our first quiet, supersonic plane

27
00:01:36,896 --> 00:01:41,701
X-57 Maxwell first flight
Test fly our first all-electric plane

28
00:01:41,701 --> 00:01:44,871
Our Earth

29
00:01:44,871 --> 00:01:49,642
SWOT launch
Evaluate the world’s oceans and their role in climate change

30
00:01:49,642 --> 00:01:54,447
TEMPO launch
Measure the pollution of North America

31
00:01:54,447 --> 00:01:58,451
TROPICS launch
Provide improved, rapid measurements of tropical cyclones

32
00:01:58,451 --> 00:02:02,856
EMIT launch
Learn how mineral dust affects human health and the heating and cooling of Earth

33
00:02:02,856 --> 00:02:06,059
Earth System Observatory
Plan a new set of missions that will guide efforts related to...

34
00:02:06,059 --> 00:02:10,063
Earth System Observatory
...climate change, disaster mitigation, fighting forest fires, and improving real-time agricultural processes