

# COMMERCIAL CREW PROGRAM

SPACEX CREW DRAGON



FEATURING...



ASTRONAUT SUNI WILLIAMS



BOEING CST-100 STARLINER



ASTRONAUT MIKE HOPKINS

What's it  
all about?

1  
00:00:04,671 --> 00:00:05,672  
>> NASA'S COMMERCIAL CREW

2  
00:00:05,672 --> 00:00:07,006  
PROGRAM IS READY FOR LAUNCH.

3  
00:00:08,108 --> 00:00:08,942  
>> DID YOU KNOW

4  
00:00:08,942 --> 00:00:09,876  
THE LAST TIME WE LAUNCHED

5  
00:00:09,876 --> 00:00:11,478  
ASTRONAUTS FROM AMERICA

6  
00:00:11,478 --> 00:00:13,713  
WAS IN 2011?

7  
00:00:13,713 --> 00:00:14,714  
>> NASA IS WORKING WITH

8  
00:00:14,714 --> 00:00:16,449  
COMPANIES BOEING AND SPACEX

9  
00:00:16,449 --> 00:00:17,317  
TO TAKE ASTRONAUTS TO

10  
00:00:17,317 --> 00:00:18,585  
THE INTERNATIONAL SPACE STATION

11  
00:00:18,585 --> 00:00:20,820  
FROM AMERICA ONCE AGAIN.

12  
00:00:20,820 --> 00:00:21,755  
LET'S LOOK AT

13  
00:00:21,755 --> 00:00:23,656

HOW THIS WILL HAPPEN.

14

00:00:23,656 --> 00:00:24,758

>> LOOK AT THE SPACECRAFT

15

00:00:24,758 --> 00:00:26,226

ON TOP OF THE ROCKET.

16

00:00:26,226 --> 00:00:27,160

THIS IS WHERE HUMANS

17

00:00:27,160 --> 00:00:28,795

WILL BE SITTING.

18

00:00:28,795 --> 00:00:29,729

THE ASTRONAUTS WILL BE

19

00:00:29,729 --> 00:00:31,264

BUCKLED INTO A SPACECRAFT

20

00:00:31,264 --> 00:00:32,866

STACKED ON TOP OF THE ROCKET

21

00:00:32,866 --> 00:00:34,834

AS IT IS LAUNCHED INTO SPACE.

22

00:00:34,834 --> 00:00:36,369

THE ROCKET HOLDS ALL OF THE FUEL

23

00:00:36,369 --> 00:00:38,605

NEEDED TO GET TO SPACE.

24

00:00:38,605 --> 00:00:39,739

>> IT TAKES A LOT OF ENERGY

25

00:00:39,739 --> 00:00:40,673

TO LIFT THE ROCKET

26

00:00:40,673 --> 00:00:41,708

OFF THE GROUND,

27

00:00:41,708 --> 00:00:42,675

WITH GRAVITY CONSTANTLY

28

00:00:42,675 --> 00:00:43,910

PULLING IT DOWN.

29

00:00:43,910 --> 00:00:45,044

WHICH IS WHY MOST OF THE ROCKET

30

00:00:45,044 --> 00:00:46,613

IS FILLED WITH FUEL.

31

00:00:46,613 --> 00:00:47,380

DURING THE ROCKET'S

32

00:00:47,380 --> 00:00:48,381

CLIMB TO SPACE,

33

00:00:48,381 --> 00:00:49,582

IT WILL INCREASE IN SPEED,

34

00:00:49,582 --> 00:00:50,717

WHICH MEANS ITS ENERGY

35

00:00:50,717 --> 00:00:52,685

WILL ALSO INCREASE.

36

00:00:52,685 --> 00:00:53,853

ONCE THE ROCKET HAS MADE IT

37

00:00:53,853 --> 00:00:55,755

PAST EARTH'S ATMOSPHERE,

38

00:00:55,755 --> 00:00:58,158

THE ENGINE WILL FINALLY CUT OFF.

39

00:00:58,158 --> 00:00:59,225

THE ROCKET AND THE SPACECRAFT

40

00:00:59,225 --> 00:01:00,727

WILL SEPARATE AND THE ASTRONAUTS

41

00:01:00,727 --> 00:01:01,561

WILL MAKE THEIR WAY

42

00:01:01,561 --> 00:01:02,896

TOWARD THE STATION

43

00:01:02,896 --> 00:01:03,797

WHERE THEY WILL BE WORKING ON

44

00:01:03,797 --> 00:01:04,864

SCIENCE EXPERIMENTS

45

00:01:04,864 --> 00:01:06,433

AND ENGINEERING PROJECTS.

46

00:01:06,433 --> 00:01:08,168

>> WHAT DO YOU THINK WILL HAPPEN

47

00:01:08,168 --> 00:01:09,202

WHEN THE SPACECRAFT TRAVELS

48

00:01:09,202 --> 00:01:10,904

BACK TO EARTH?

49

00:01:10,904 --> 00:01:11,871

>> BOEING HAS MADE

50

00:01:11,871 --> 00:01:13,506

THE STARLINER CST-100

51  
00:01:13,506 --> 00:01:14,841  
TO KEEP ASTRONAUTS SAFE

52  
00:01:14,841 --> 00:01:15,842  
AS THEY TRAVEL TO

53  
00:01:15,842 --> 00:01:17,577  
AND FROM THE STATION.

54  
00:01:17,577 --> 00:01:18,545  
IT'S DESIGNED TO TOUCH DOWN

55  
00:01:18,545 --> 00:01:19,913  
SAFELY ON LAND

56  
00:01:19,913 --> 00:01:22,048  
IN THE WESTERN UNITED STATES.

57  
00:01:22,048 --> 00:01:23,583  
STARLINER HAS PARACHUTES

58  
00:01:23,583 --> 00:01:24,784  
IT WILL USE AS IT

59  
00:01:24,784 --> 00:01:26,186  
PREPARES FOR LANDING,

60  
00:01:26,186 --> 00:01:27,921  
BUT WILL ALSO HAVE LARGE AIRBAGS

61  
00:01:27,921 --> 00:01:29,389  
EXPANDING UNDER THE SPACECRAFT

62  
00:01:29,389 --> 00:01:30,757  
TO CUSHION THE LANDING

63  
00:01:30,757 --> 00:01:31,658

FOR THE ASTRONAUTS

64

00:01:31,658 --> 00:01:33,660  
BEFORE STOPPING COMPLETELY.

65

00:01:33,660 --> 00:01:34,994  
>> SPACEX'S CREW DRAGON WAS

66

00:01:34,994 --> 00:01:36,663  
ALSO CREATED TO SEND ASTRONAUTS

67

00:01:36,663 --> 00:01:38,798  
TO AND FROM THE SPACE STATION.

68

00:01:38,798 --> 00:01:39,599  
AS THE SPACECRAFT

69

00:01:39,599 --> 00:01:40,700  
COMES BACK TO EARTH,

70

00:01:40,700 --> 00:01:41,701  
THE OUTSIDE WILL EXPERIENCE

71

00:01:41,701 --> 00:01:42,702  
TEMPERATURES OVER

72

00:01:42,702 --> 00:01:44,404  
3000 DEGREES FAHRENHEIT.

73

00:01:44,404 --> 00:01:45,338  
THE CREW DRAGON HAS BEEN

74

00:01:45,338 --> 00:01:46,639  
DESIGNED TO KEEP THE ASTRONAUTS

75

00:01:46,639 --> 00:01:47,774  
INSIDE COMFORTABLE

76  
00:01:47,774 --> 00:01:49,576  
DURING THEIR RIDE HOME TO EARTH.

77  
00:01:49,576 --> 00:01:50,243  
ONCE THEY ARE BACK

78  
00:01:50,243 --> 00:01:51,211  
IN THE ATMOSPHERE,

79  
00:01:51,211 --> 00:01:52,312  
THE SPACECRAFT WILL RELEASE

80  
00:01:52,312 --> 00:01:53,379  
FOUR MAIN PARACHUTES

81  
00:01:53,379 --> 00:01:54,414  
TO SLOW DOWN THE SPEED

82  
00:01:54,414 --> 00:01:55,915  
AND ENERGY OF THE VEHICLE

83  
00:01:55,915 --> 00:01:57,350  
BEFORE IT SPLASHES DOWN

84  
00:01:57,350 --> 00:01:58,551  
IN THE ATLANTIC OCEAN

85  
00:01:58,551 --> 00:02:01,521  
OR GULF OF MEXICO.

86  
00:02:01,521 --> 00:02:02,489  
THESE SPACECRAFT

87  
00:02:02,489 --> 00:02:03,890  
ARE EXCITING SNEAK PEEKS

88  
00:02:03,890 --> 00:02:05,492

AT THE FUTURE OF SPACE TRAVEL.

89

00:02:05,492 --> 00:02:06,493

>> AND NASA'S

90

00:02:06,493 --> 00:02:07,894

COMMERCIAL CREW PROGRAM.