1
00:00:01,090 --> 00:00:06,100
\h NARRATOR: Space Exploration Technologies of Hawthorne, Calif., known as SpaceX, will

2
00:00:06,100 --> 00:00:08,630
\h launch a Dragon capsule on one of the

3
00:00:08,630 --> 00:00:13,530
\h company's Falcon 9 rockets to perform the first operational cargo resupply mission to the

4
00:00:13,530 --> 00:00:17,570
\h International Space Station.

5
00:00:17,570 --> 00:00:23,540
\h The astronauts aboard the space station are awaiting more than 1,000 pounds of experiment equipmen

6
00:00:23,540 --> 00:00:28,030
\h due to arrive inside the Dragon capsule in the next few days.

7
00:00:28,030 --> 00:00:34,260
\h This will be the first of 12 such missions for SpaceX and the first operational mission for an American ca

8
00:00:34,260 --> 00:00:41,320
\h craft since the space shuttle fleet retired in 2011. The station is also supplied by cargo ships

9
00:00:41,320 --> 00:00:45,950
\h from Russia, Europe and Japan.

10
00:00:45,950 --> 00:00:51,890
\h The flight comes four months after the company completed a milestone mission that saw a similar Drag

11
00:00:51,890 --> 00:00:59,550
\h grappled and linked to the station, becoming the first commercially built and operated spacecraft to do s

12
00:00:59,550 --> 00:01:06,980
\h This mission, called CRS-1, places nearly identical demands on the American-made Dragon and its Fal

13
00:01:06,980 --> 00:01:08,490

\h launcher.

14
00:01:08,490 --> 00:01:13,850
\h The Falcon's nine first stage engines will lift the Dragon spacecraft off the launch pad and

15
00:01:13,850 --> 00:01:17,020
\h into the upper atmosphere.

16
00:01:17,020 --> 00:01:22,440
\h The first stage will fall away and the second stage's single engine will fire to place the Dragon in a

17
00:01:22,440 --> 00:01:30,940
\h 193-mile by 212-mile-high orbit that will set Dragon on course to catch up to the station.

18
00:01:30,940 --> 00:01:36,330
\h The SpaceX capsule will not be carrying any people, only cargo. When it gets in close to the

19
00:01:36,330 --> 00:01:41,720
\h station three days after launch, astronauts onboard the orbiting laboratory will use the robotic

20
00:01:41,720 --> 00:01:46,520
\h arm to grapple it and maneuver it to an empty port.

21
00:01:46,520 --> 00:01:52,320
\h Shortly after, the astronauts will remove a freezer for scientific samples, along with other supplies,

22
00:01:52,320 --> 00:01:55,020
\h from the Dragon.

23
00:01:55,020 --> 00:02:00,630
\h They will place more than 2,000 pounds of used equipment and completed scientific samples inside the

24
00:02:00,630 --> 00:02:03,820
\h Dragon for a safe return to Earth.

25
00:02:03,820 --> 00:02:09,420
\h After three weeks at the station, the Dragon will be grappled again by the robotic arm and

26
00:02:09,420 --> 00:02:14,590
\h released onto a path so SpaceX controllers can guide it back to Earth.