



Spaceto**Ground**

1

00:00:02,909 --> 00:00:09,169

Welcome to Space to Ground. I'm Leah Cheshier. This week, a Dragon arrived to the space station for a month.

2

00:00:10,519 --> 00:00:15,649

On May 4th, SpaceX launched their 17th commercial resupply mission to the space station.

3

00:00:16,140 --> 00:00:19,640

This Dragon capsule which flew to the station once before on

4

00:00:19,640 --> 00:00:25,440

SpaceX's 12th resupply mission, arrived to the orbiting laboratory on May 6 bringing with it about

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00:00:25,440 --> 00:00:28,320

5500 pounds of supplies.

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00:00:28,320 --> 00:00:31,920

Canadian Space Agency astronaut David Saint-Jacques commanded the

7

00:00:31,920 --> 00:00:39,520

Canadarm2 to grapple the spacecraft, then ground controllers birthed the vehicle to the station's Harmony module.

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00:00:40,280 --> 00:00:45,680

Astronauts will spend the next few weeks unpacking and reloading Dragon for an eventual safe splashdown.

9

00:00:46,500 --> 00:00:51,940

We know it's important to take our vitamins, and future astronauts might be getting them from an unexpected source.

10

00:00:53,720 --> 00:01:00,820

The MicroAlgae Study is looking at a tiny freshwater green algae that is capable of producing a powerful antioxidant.

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00:01:01,589 --> 00:01:02,640

Researchers believe

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00:01:02,640 --> 00:01:07,440

exposing it to microgravity could stress the algae into producing this antioxidant,

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00:01:07,500 --> 00:01:13,800

which has been shown to support the immune system and could protect against the effects of Radiation Expos

14

00:01:13,920 --> 00:01:16,160

Cardiovascular System Damage, and Bone Loss.

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00:01:16,920 --> 00:01:24,469

Something like this could be a critical dietary boost as we send humans on longer and longer space missions a

16

00:01:24,479 --> 00:01:26,479

astronauts to the moon by 2024.

17

00:01:27,570 --> 00:01:34,219

This week's question comes from Rene, who asks if Dragon is the sixth vehicle to dock at the space station an

18

00:01:34,219 --> 00:01:36,678

any more. As a matter of fact, there is.

19

00:01:38,700 --> 00:01:43,850

On Monday, Dragon became the sixth vehicle currently docked to the station, joining Cygnus 11

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00:01:43,859 --> 00:01:47,359

Soyuz 11 and 12, and Progress 71 and 72.

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00:01:48,060 --> 00:01:51,500

One more parking spot will be available for Commercial Crew vehicles