

Boeing Crew Flight Test



Nicole Aunapu Mann NASA Astronaut Marine Corps Lieutenant Colonel

Selected as an Astronaut in 2013, this is Nicole's first spaceflight.



Barry "Butch" Wilmore NASA Astronaut Navy Captain

Spent 178 days in space on two space missions, STS-129, which he piloted, and Expeditions 41/42. Commander of the International Space Station on Expedition 42.



Mike Fincke NASA Astronaut Air Force Colonel (retired)

Aboard shuttle Endeavour on STS-134, Fincke served as Mission Specialist 1 on the flight deck and as a spacewalker and robotic arm operator.

Boeing's First Operational Mission



Suni Williams NASA Astronaut Navy Captain (retired)

Spent 322 days in space on two space station missions, Expeditions 14/15 and Expeditions 32/33. Commander of the International Space Station on Expedition 33.



Josh Cassada NASA Astronaut Navy Commander

Selected as an Astronaut in 2013, this is Josh's first spaceflight.

A NEW SPACE AGE

NASA's Commercial Crew Program spacecraft and rockets carry up to four astronauts and about 220 pounds of cargo to and from the International Space Station. Commercial crew resumes human spaceflight launches from the United States and provides the nation with two unique spacecraft, two human-rated rockets and the necessary ground support systems. NASA and our commercial partners, Boeing and SpaceX, are working together to open routine access to low-Farth orbit.

BUILDING A NEW AMERICAN CAPABILITY

NASA's Commercial Crew Program redefined space system development for low-Earth orbit by forming strong public-private partnerships with the aerospace industry encouraging innovation while maintaining NASA's high safety standards and leveraging NASA's 50 plus years of spaceflight experience. Commercial crew partners with industry to advance a diverse economic market in space including Blue Origin with spacecraft, engines and systems, and Sierra Nevada Corporation with the Dream Chaser spacecraft. NASA selected the Dream Chaser's cargo version to ferry supplies, equipment and experiments to and from the orbiting laboratory under the Commercial Resupply Services-2 contract. Both Sierra Nevada Corporation and Blue Origin are also working toward the goal of flying people to and from low-Earth orbit.

PARALLEL PATH FOR EXPLORATION

NASA's work to turn over low-Earth orbit astronaut transportation to commercial companies, like Boeing and SpaceX, allows the agency to use other resources to develop the Orion spacecraft and the Space Launch System rocket for missions into deep space. Both destinations—the International Space Station and deep space—are vital in the nation's space exploration efforts, and one cannot be successful without the other.

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www.twitter.com/commercial crew



www.facebook.com/NASACommercialCrew



Selected as an Astronaut in 2009, this is Jeanette's first spaceflight.

SpaceX's First Operational Mission



Mike Hopkins NASA Astronaut Air Force Colonel

Spent 166 days on the International Space Station for Expeditions 37/38.



Victor Glover NASA Astronaut Navy Commander

Selected as an Astronaut in 2013, this is Victor's first spaceflight.



Shannon Walker NASA Astronaut Physicist

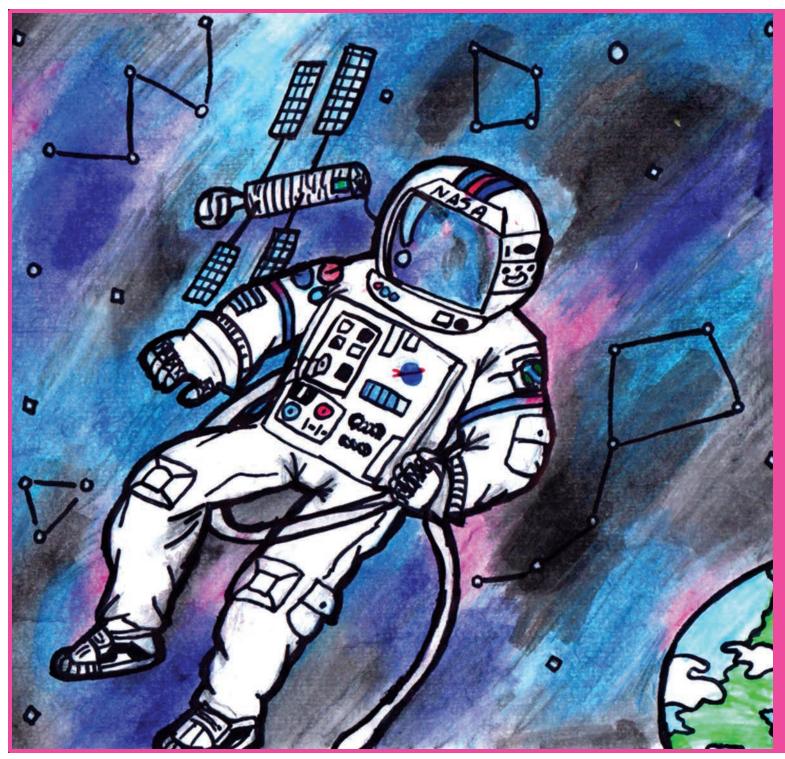
Spent 163 days in space as a Flight Engineer for Expedition 24/25.



Soichi Noguchi JAXA Astronaut Aeronautical Engineer

Spent 177 days in space including STS-114 and Expedition 22/23.





Astronauts

Did you know? NASA astronauts are flying once again to space from U.S. soil. Check out the first crewed mission on a commercial spacecraft, the SpaceX Crew Dragon on YouTube. Click Here or type this link into your browser, https://www.youtube.com/watch?v=9PZd1jFCVSQ.

Cristal Saavedra-Rivera, 12 Sarasota, FL

In the Stars

Sur	nday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				December 2020 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	February 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	New Year's Day	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18 Martin Luther King Jr. Day	19	20	21	22	23
	24	25	26	27	28	29	30
	21	*	· +·				

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Astronaut Training

Do you want to know how astronauts prepare for possible emergencies or how they put on their spacesuits? Maybe you are interested in how they get ready for flight on top of a rocket. Find all this and more, Click Here or type this link into your browser, https://www.youtube.com/watch?v=qpouNl1sgqA.

Sofia Della Vedova, 12 Fortaleza, Brazil

Space School Training

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14 Valentine's Day	15 Presidents Day	16	17	18	19	20
21	22	23	24	25	26	27
28	January 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	March 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31				



Astronaut Training Shirsho Sarker, 8 Dhaka, Bangladesh





Spacesuits

New rides, new suits! Both Boeing and SpaceX have designed spacesuits for the new astronaut crews that will be launching on their rockets. The suits are full of new technologies and you can learn more about them at:

Starliner, <u>Click Here</u> or type this link into your browser, <u>https://www.nasa.gov/feature/new-spacesuit-unveiled-for-starliner-astronauts.</u>

SpaceX, <u>Click Here</u> or type this link into your browser, https://www.nasa.gov/specials/ ccp-press-kit/spacex.html#C3.

Aaron Baik, 9 Fort Lee, NJ

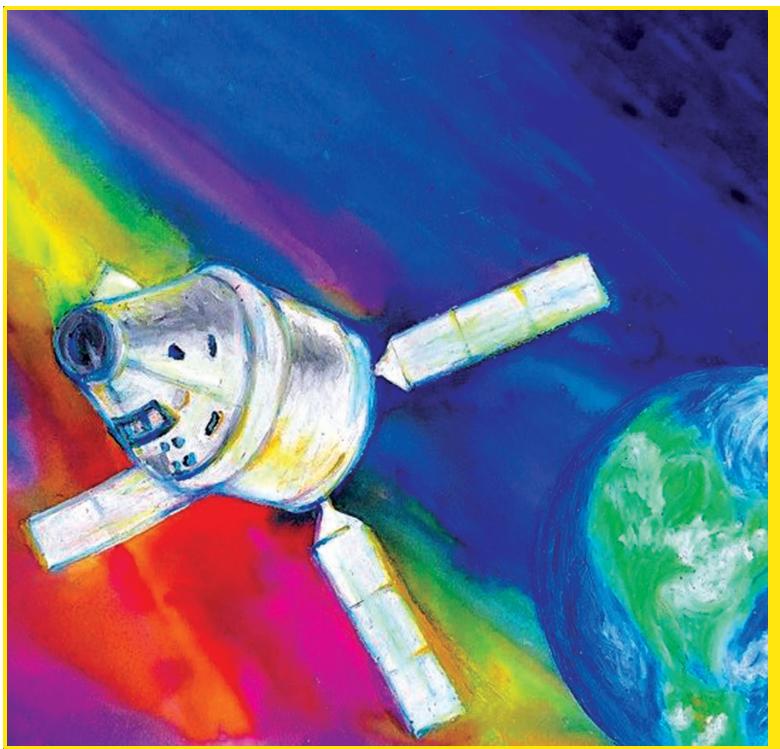
Rockets

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14 Daylight Saving Time Begins	15	16	17 Saint Patrick's Day	18	19	20 Spring Begins
21	22	23	24	25	26	27
28	29	30	31	February 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	April 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	



SpaceX RocketFreya Steven, 7
Newcastle, United Kingdom





Spacecraft
Do you want to know what the new Commercial Crew capsules that will fly to the International Space Station are like? Both Boeing's Starliner and SpaceX's Crew Dragon are featured, Click Here or type this link into your browser, https://www.youtube.com/watch?v=zrBTu389aqY&t=3s

Aaron Wang, 13 Vancouver, British Columbia Canada

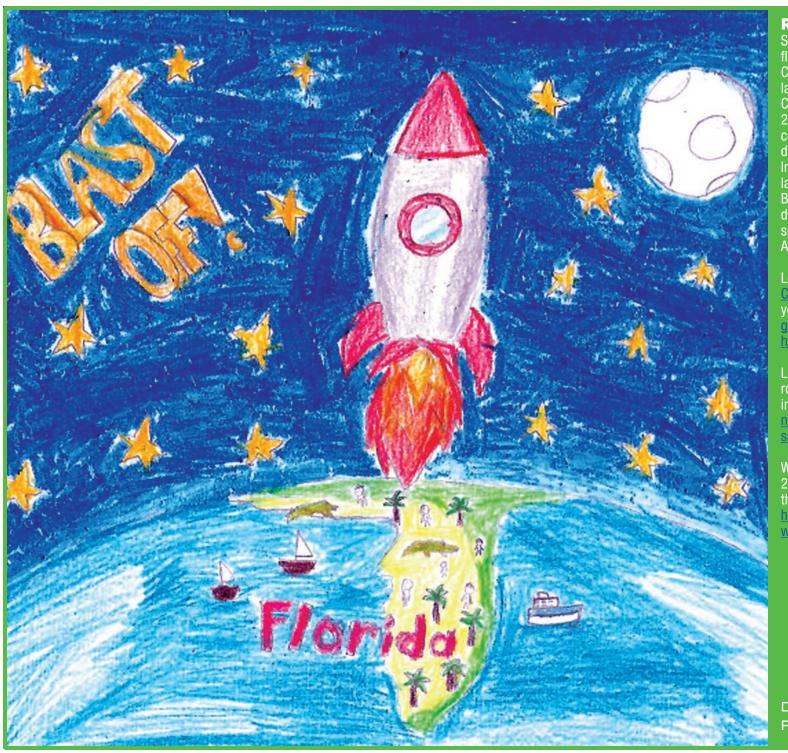
Orion Capsule of Dreams

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		March 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	May 2021 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1	2	3
4. Easter	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	



SpaceX Crew Dragon 2020 Ivaan Kaushik, 4 Longwood, FL





Rockets

SpaceX's Demo-2, the first test flight with astronauts for NASA's Commercial Crew Program, launched from Kennedy Space Center in Florida on May 30, 2020. Crew Dragon, the first commercially-built spacecraft designed to carry people to the International Space Station, launched atop a Falcon 9 rocket. Boeing's CST-100 Starliner is designed to be transported to space by a United Launch Alliance Atlas V rocket.

Learn more about the Atlas V rocket, Click Here or type this link into your browser, https://www.nasa.gov/specials/ccp-press-kit/boeing.html#C4.

Learn more about the Falcon 9 rocket, <u>Click Here</u> or type this link into your browser, <u>https://www.nasa.gov/specials/ccp-press-kit/spacex.html#C4</u>.

Watch highlights of the Demo-2 mission, <u>Click Here</u> or type this link into your browser, https://www.youtube.com/watch?v=9PZd1jFCVSQ.

Diya Pradeep, 11 Princeton, NJ

Blast Off! Launch Day in Florida

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				April 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	June 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1
2	3	4	5	6	7	8
Mother's Day	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

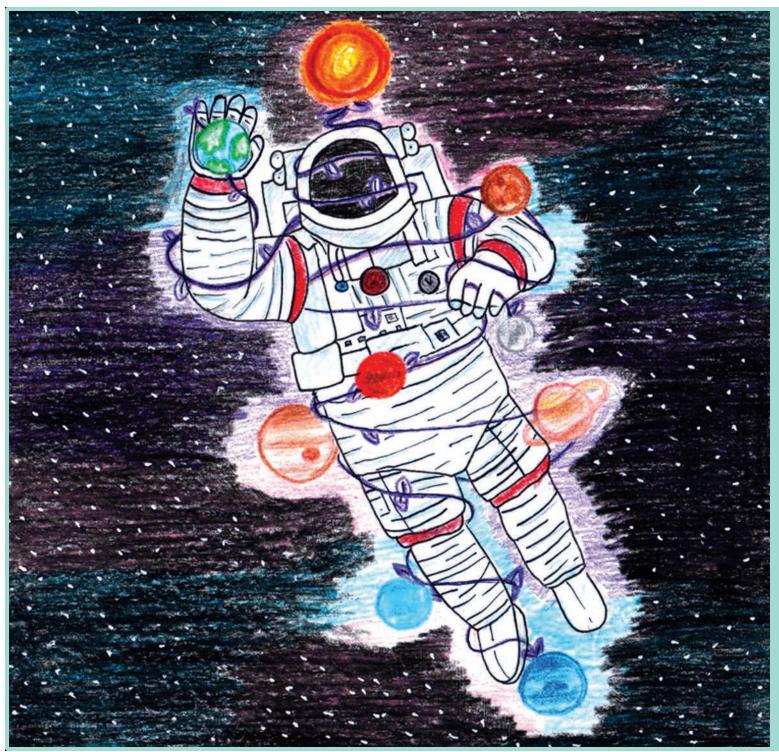
Roseate Spoonbills and Liftoff

Alysssa Blough, 6 Cameron Park, CA

Memorial Day







Launch Day in Florida

Commercial Crew has an app! Select your partner, mission, and crew. Then put your skills to the test as you launch from Florida's Space Coast and dock with the International Space Station. You can learn more about the real-life missions, dynamic vehicles and spacecraft as well as the heroes who make it all happen to ensure mission success, Click Here or type this link into your browser, https://rocketsciencec2e.ksc.nasa.gov/.

Check out NASA's recent Commercial Crew launches, too!

SpaceX Demo-2, <u>Click Here</u> or type this link into your browser, <u>https://youtu.be/xhrJzj0Y7C8</u>.

Boeing Orbital Flight Test, Click Here or type this link into your browser, https://youtu.be/ VzYoCQZhTkA.

Gabrielle Helmer, 12 Sarasota, FL

A Garden of Planets

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14 Flag Day	15	16	17	18	19
20 Summer Begins Father's Day	21	22	23	24	25	26
27	28	29	30	May 2021 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	July 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	



Going to the Moon with My Friend Sophie Song, 9 Palisade Park, NJ





International

Space Station
The International Space Station is the brightest object in the sky and you can find it just by looking up! Find out when you can "Spot the Station" in your own backyard, Click Here or type this link into your browser, https://spotthestation.

You can also see STEM demonstrations being done on the ISS, <u>Click Here</u> or type this link into your browser, <u>https://www.nasa.</u>

Vihaan Panjwani, 7 Ashburn, VA

Station - ISS Orbiting Earth

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		June 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	August 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1	2	3
4 Independence Day	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Station K. Kedar Sriyans, 8 Hyderabad, Telangana India







Living and Working in Space

Living in space is not the same as living on Earth. What are the astronauts doing on the International Space Station? They work, eat, sleep and exercise to stay healthy, just like we do on Earth, but microgravity makes things a little more interesting.

<u>Click Here</u> or type this link into your browser, https://www.nasa.gov/audience/foreducators/stem-on-station/dayinthelife.

Sreshta Varma.M, 9 Vijayawada, India

Living and Working in Space

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	July 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	September 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		



Mars Meets Music Aadhya Sumanth, 7 Frisco, TX





Exploring the Solar System

Our solar system is located in the vast Milky Way Galaxy. It consists of the Sun (our star) and everything that orbits around it, including the eight planets and their natural satellites (like our Moon), dwarf planets, asteroids and comets. More than 300 robotic spacecraft have explored destinations beyond Earth's orbit, including 24 astronauts who orbited the Moon, helping us learn how we can safely explore deep space and make exciting discoveries. Go here to find activities that you can do to explore the solar system from home. Click Here or type this link into your browser, https://solarsystem.nasa. gov/kids/do-it-yourself

Christabella Gozali, 12 Sumatera Barat, Indonesia

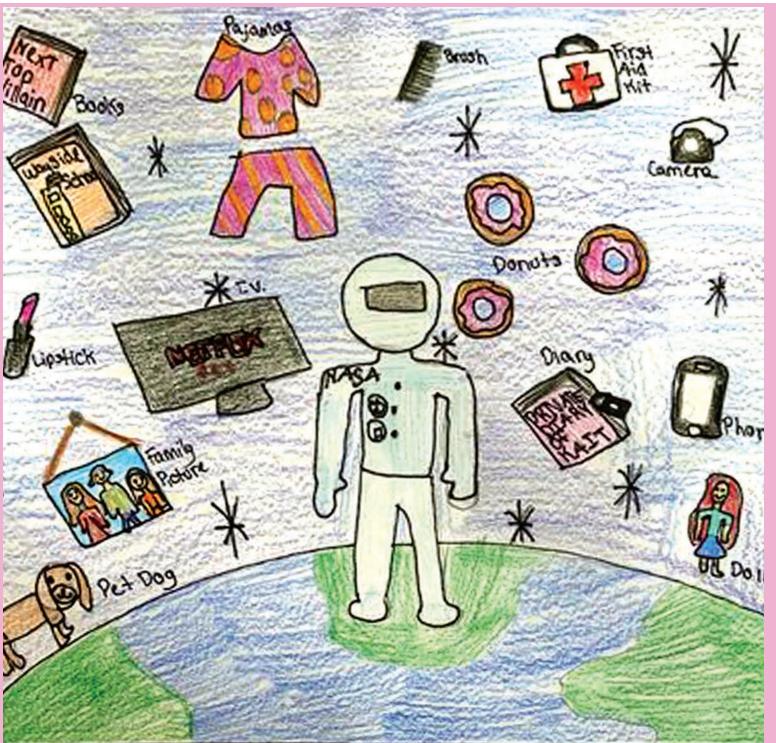
Exploring the Solar System

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	August 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	October 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1	2	3	4
5	6 Labor Day	7	8	9	10	11 Patriot Day
12	13	14	15	16	17	18
19	20	21	22 Fall Begins	23	24	25
26	27	28	29	30		



Exploring the Solar SystemDaniel Chia, 9
Duarte, CA





What would you take from Home?

The International Space Station is about 250 miles from Earth, but astronauts usually spend months at a time there. What would you take with you? What would you do to stay busy? The astronauts have special jobs to do while they are in space, but they also have some free time. Whatever the destination in space, you're going to need to plan carefully! Click Here or type this link into your browser, https://spaceplace.nasa.gov/review/classroom-activities/pdf/marspacking.pdf.

Venkatlakshmi Chitta, 9 Waxhaw, NC

My Space in Space

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			September 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	November 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1	2
3	4	5	6	7	8	9
10	11 Columbus Day	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

31
Halloween



Dream Life in Space Alisa Fukuda, 10 Las Vegas, NV





Space Food

How would you feed a crew of four astronauts on a 75-million-mile trip in space? That's how far they travel during a six month stay on the station. There are no grocery stores, gardens, farms, fertile soil or a resupply vehicle! The goal is for astronauts to eventually grow crops that can help supplement their nutrition. Growing plants in space can make the astronauts happy, because it reminds them of Earth!

Space Food Systems, <u>Click Here</u> or type this link into your browser, https://www.nasa.gov/content/space-food-systems.

Thanksgiving Space Food, Click Here or type this link into your browser, https://www.youtube.com/user/ReelNASA/search?query=space+food.

Astronaut Tailgating, <u>Click Here</u> or type this link into your browser, https://www.youtube.com/ watch?v=DWkowylB1To.

Amirtha Aravind, 7 Tamilnadu, India

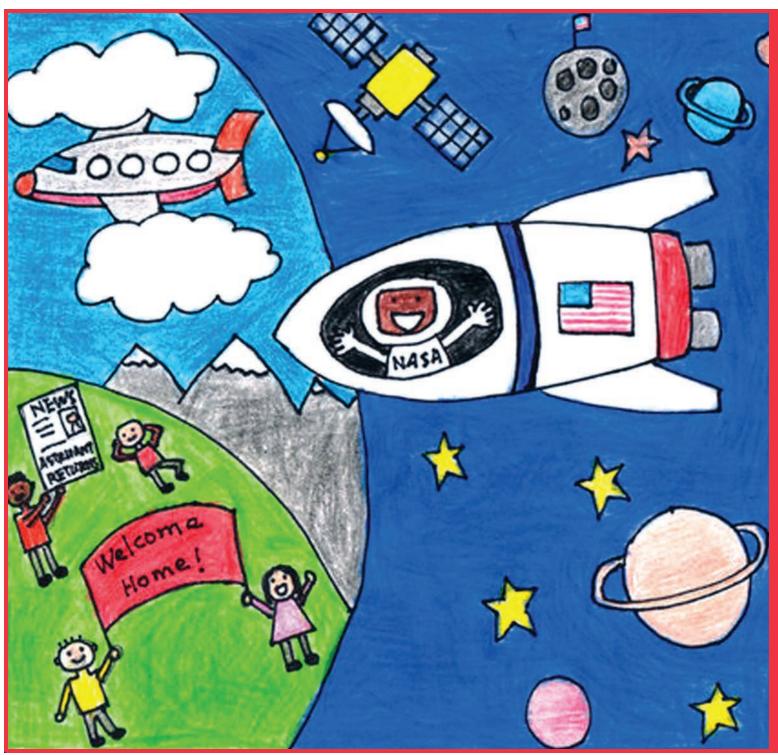
Growing Healthy Food at ISS

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7 Daylight Saving Time Ends	8	9	10	11 Veterans Day	12	13
14	15	16	17	18	19	20
21	22	23	24	25 Thanksgiving Day	26	27
28 Hanukkah Begins	29	30	October 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	December 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31		



Space Food Mithun M Reddy, 11 Bangaluru, Karnataka, India



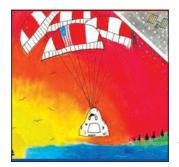


Returning to Earth
Did you know NASA is celebrating
20 years of human presence on the
International Space Station? More than 220 people from 17 countries have visited the space station over the past twenty years. Learn about the discoveries aboard station that have improved life here on Earth. Click Here or type this link into your

Chris Zhang, 7 Baton Rouge, LA

Welcome Home

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	November 2021 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	January 2022 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1	2	3	4
5	Hanukkah Ends	7	8	9	10	11
12	13	14	15	16	17	18
19	20 Winter Begins	21	22	23	24	25 Christmas Day
26	27	28	29	30	31 New Year's Eve	



Home Sweet Home Nyah Čebašek Vodice, Slovenia



Runners Up



Sara Maria Ion, 11 Ploiesti, Prahova, Romania



Oscar Solís, 9 Mexico



M. Praneeth, 4 Madurai, Tamilnadu, India



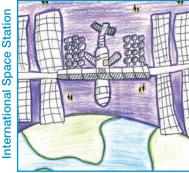
Susanna Triadó Kuriyama, 6 Hostalric, Girona, Spain



Elizabeth Cole, 12 Marietta, GA



Santiago Galvan, 6 McAllen, Texas



Cate Robin Crozier, 11
West Kelowna, British Columbia, Canada



Jemimah Wong Hui Xuan, 5 Sarawak, Malaysia



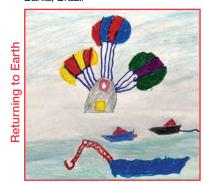
Hamza Nagarwala, 6 Baden Württemberg, Germany



Thanumi De Silva, 6 Habaraduwa, Sri Lanka



Miguel Sales, 8 Bahia, Brazil



Ibhan Ray, 5 Morrisville, NC

For more information, go to:

www.nasa.gov/commercialcrew
http://blogs.nasa.gov/commercialcrew

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