



ARISS Newsletter



#TheBestView

Mountain View Elementary
Vol. 5: December 15, 2023

#TheSkysTheLimit

FUN FACT:

Construction for the ISS began in 1998. New modules were added as recently as 2021.



FUN FACT:

The ISS has been in orbit for 25 years. In that time, 270+ astronauts have visited!



FUN FACT:

There have been 259 spacewalks at the ISS since December 1998. Astronauts conduct spacewalks for space station construction, maintenance, and upgrades.

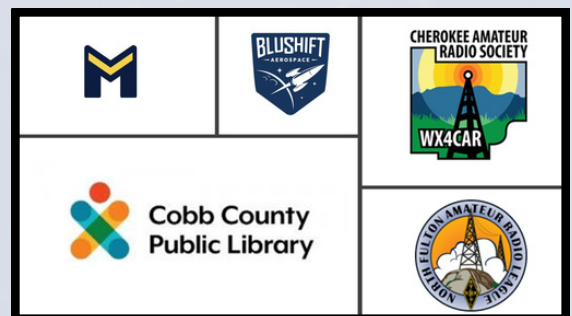


122 Days Until Contact!!



Currently Expedition 70 is onboard the ISS. This crew began on Sept. 27, 2023, and will stay until Spring 2024.

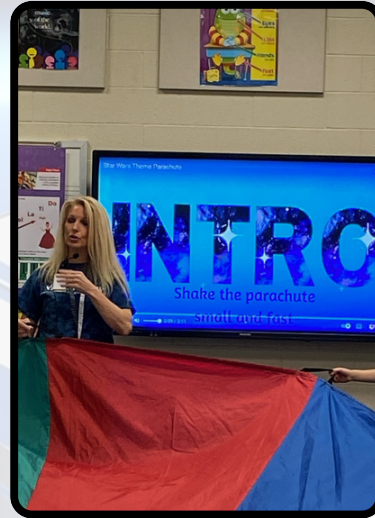
Thank You to Our Community Partners!



Here's What's Happening Around School!

Music Class with Mrs. Davis

Students listened to space-themed selections and identified the Form of “Jupiter” from Planets Suite by Gustav Holtz and “The Imperial March” from Star Wars by John Williams. Students moved to show their understanding of the Form of both iconic works in 8 beat phrases!



The Learning Commons!

Thanks to Mrs. O'Connor and Ms. D, students now have an entire area dedicated to ARISS filled with many books to read, learn, and enjoy!



Astronaut Run in PE with Coach Smith!

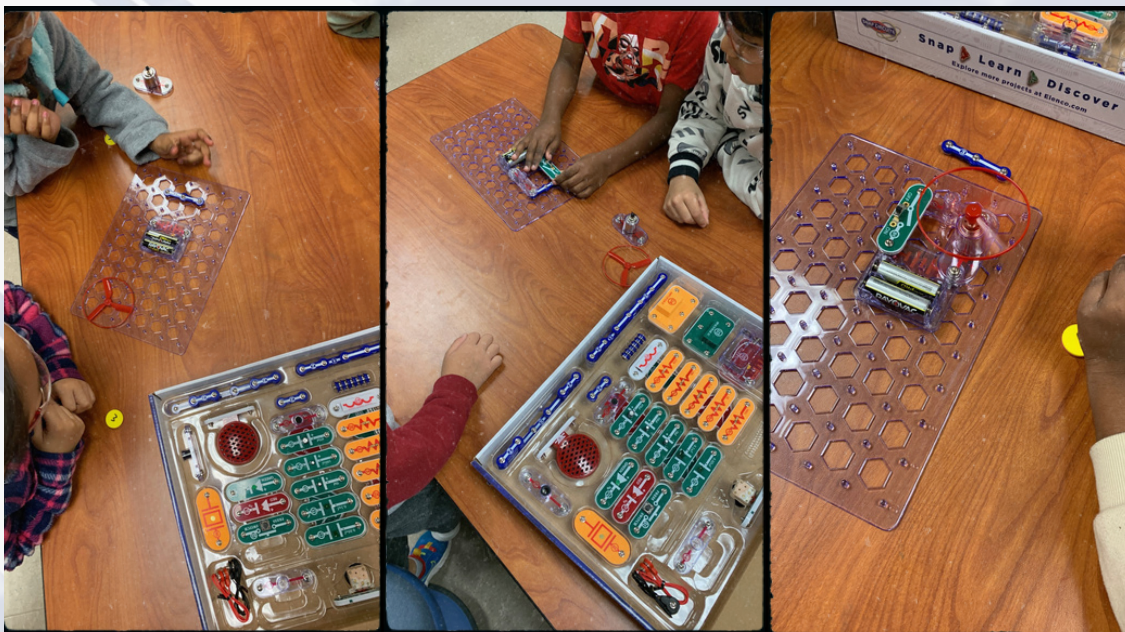
Kindergarten and first-grade students took a trip to outer space as the first ever Mountain View students to land on the moon. The astronauts were on a special mission to work together as a team to see how fast they could circle the moon--and they set a world record! They all worked together to achieve greatness and were awarded their astronaut badge for determination, perseverance, and teamwork!



STEM Lab with Dr. Z

The ARISS Connection – Snap Circuit Fun

1, 2, 3...SNAP - Snap circuits that is. Throughout December, Mountain View students have been learning about circuitry, teamwork, collaboration, and design in the STEM Lab by creating their own circuit boards using Snap Circuits. These circuit boards are user-friendly and allow students to simply snap pieces onto a grid board to test their knowledge and strategy when creating a circuit. Students can try capacitors, diodes, lamps, motors, fans, transistors, resistors, slides, switches, speakers, alarms, microphones, whistles, and amplifiers. The goal is to have all students, grades kindergarten through fifth grade, design, build, and test a radio that they were able to do on their own!



Notes from our STEM Team Members

"The upcoming ARISS contact is an exciting opportunity for the students at MVES to engage in real-world STEM applications with real astronauts! This is important for MVES since it shows the dedication and passion that our school has toward STEM-related careers and by supporting and collaborating with local groups that share those same values. Our students have been excited about the possibilities that this collaboration has afforded to them this past school year!"

~Anthony Saputo, 5th Grade teacher

"Our grade level is super excited to be able to actually ask questions to an astronaut in space. They have enjoyed learning from the Morning News about all the new vocabulary and space terms. The classes have had fun being competitive and answering weekly questions about ARISS each week. They are learning acronyms and are able to clap out the syllables in all the new words and vocabulary each week. This communication is so incredible for a public elementary school to take part in such an exciting opportunity with NASA and space.

We are excited for the opportunity as a school and first grade team. "

~Courtney Kopriva, 1st Grade teacher

"Anticipation is building for the upcoming ARISS contact, creating a unique buzz in our community. This event signifies more than just a radio transmission; it's a bridge between our lives and the cosmos. For MVES, it's a source of unity, pride, and inspiration; showcasing the boundless possibilities of education and technology. The impact on our students is transformative, sparking curiosity and a sense of wonder that extends beyond the classroom. In this cosmic rendezvous, ARISS promises to leave an indelible mark, reminding us that our community is an integral part of the grand tapestry of human exploration."

~ Danielle King, 3rd Grade teacher

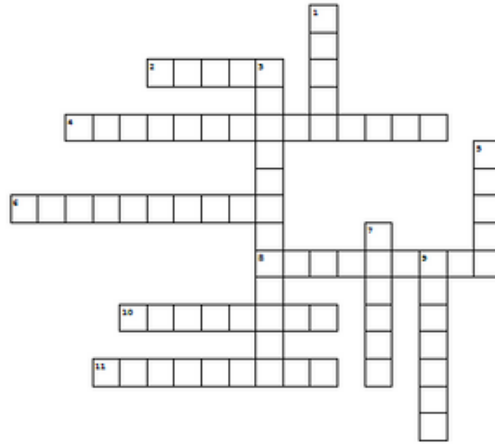
"This is such a unique opportunity for the students and staff at our school. It's not every day you get to talk to an astronaut, let alone one who is actively in space! Making possible contact with the ISS will set our school apart from other schools, and it will be a lasting memory for our students. Who knows? Maybe it will inspire some of our students to pursue a career in radio communications or astrophysics one day."

~Ali Brisse, Target teacher

KIDS' PAGE



ARISS Vocabulary



Down:

1. THE DEVICE THAT WILL ALLOW US TO BE ABLE TO TALK TO THE ASTRONAUT IN SPACE
3. AN ORBITING HABITAT AROUND EARTH
5. AN OBJECT THAT CIRCLES EARTH
7. A SECTION OF THE ISS
9. THE METAL TOWER THAT SENDS AND RECEIVES RADIO SIGNALS

Across:

2. THE COMPANY WHO IS PROVIDING US THE OPPORTUNITY TO SPEAK TO AN ASTRONAUT
4. WHERE THE RADIO THAT THE ASTRONAUT WILL USE WHEN THEY SPEAK TO US IS LOCATED
6. THE MOVEMENT OF ELECTRONS THROUGH THE ATMOSPHERE WHICH ALLOWS US TO RECEIVE AND TRANSMIT DATA
8. THE HUMAN WHO LIVES AND WORKS IN SPACE
10. THE 4-6 DIGIT VALUE THAT IS THE "NAME" OF THE PERSON WHO IS ON THE RADIO
11. THE NUMBER OF TIMES A RADIO WAVE PULSES IN A SET AMOUNT OF TIME



SPACE JOKES

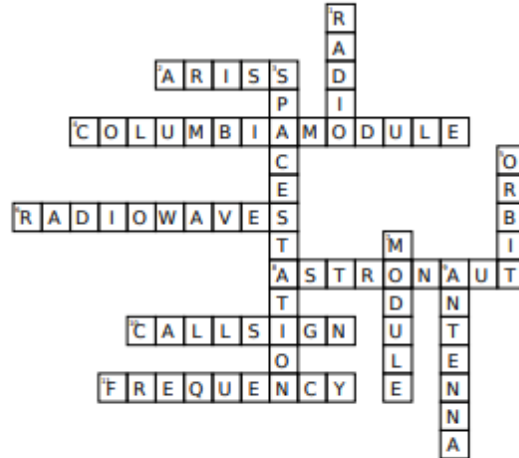
1. What is a spaceman's favorite chocolate?
2. How do you know when the moon has enough to eat?
3. What kind of music do planets sing?
4. Why don't aliens eat clowns?
5. What is an astronaut's favorite key on the keyboard?
6. What do planets like to read?
7. Why did the cow go to outer space?
8. What do you call a tick on the moon?
9. Where would an astronaut park his space ship?
10. What was the first animal in space?



KIDS' PAGE ANSWER KEY



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Answers to Space Jokes

1. A Mars bar!
2. When it's full!
3. Neptunes!
4. Because they taste funny!
5. The space bar!
6. Comet books!
7. To visit the Milky Way!
8. A luna-tick!
9. At a parking meteor!
10. The cow that jumped over the moon!

