



ARISS News Release
Dave Jordan, AA4KN
ARISS PR
aa4kn@amsat.org

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FOR IMMEDIATE RELEASE

**ARISS Contact is Scheduled for
Students at Tecumseh Public Schools District, Tecumseh, Oklahoma, USA**

Amateur Radio on the International Space Station (ARISS) has received schedule confirmation for an ARISS radio contact with astronauts. ARISS is the group that puts together special amateur radio contacts between students around the globe and crew members with ham radio licenses on the International Space Station (ISS).

This will be a direct contact via amateur radio between students at the Tecumseh High School, Tecumseh, OK and astronaut Shannon Walker, amateur radio call sign KD5DXB. Both onsite and remote access will be provided to the student body at the time of the contact per Covid-19 guidelines. Amateur radio operators, using the Tecumseh High School Amateur Radio Club call sign K5THS, will operate the ham radio ground station for this contact. Students will take turns asking Walker their questions. The downlink frequency for this contact is 145.800 MHz.

The ARISS radio contact is scheduled for December 4, 2020 at 12:33 pm CST (Tecumseh), (18:33 UTC, 1:33 pm EST, 11:33 am MST and 10:33 am PST).

The public is invited to watch the livestream at: mkleine@live.com or <https://w5nor.org/k5ths/>.

Tecumseh Public Schools District (with about 2000 students in Pre-Kindergarten through 12th grades) is a rural school district that includes five grade-level sites and also the College, Career Readiness and STEAM Center and employs nearly 275 teachers and support staff. The District's high school students and staff in the STEAM Center's Electronics and Amateur Radio Class will be the lead host for this ARISS contact. Students and staff at all the District's sites and grades will have been involved at different learning levels (utilizing various grade-appropriate STEAM class activities) in preparation for the ARISS contact. In developing the school's amateur radio class, the school partnered with the local radio operators of the Pottawatomie County Amateur Radio Club and South Canadian Amateur Radio Club who were instrumental in providing equipment, installation, and technical expertise, and who will be on hand during the ARISS contact.

As time allows, students will ask these questions:

1. If you could go back to high school, what is one thing you would make sure you paid more attention to?
2. What was the scariest part when traveling through the atmosphere?
3. Are you longing for the day you'll return to earth or already putting on your brakes so that you can stay on the ISS longer?
4. What is one skill that every astronaut should have before entering the astronaut program?
5. Have you seen any changes in your circadian rhythms, or those of any plants or animals on board the ISS?
6. How does NASA train you to deal with zero gravity?
7. How do you get dressed without your clothes floating away?
8. How does NASA prepare you for walking on earth after months of being in space?
9. Is there a sight in space that was breathtaking the first time you saw it, and what was it?
10. If there is a small space particle that penetrates the ISS, how is that handled?
11. What are some of your favorite experiments in which you are involved?
12. How much training do you need before going into space?
13. What happens if you become sick on an EVA or inside the ISS?
14. What is the most challenging plant to try to grow in space?
15. Does time change in space?
16. How do you sleep in space?
17. How do you maintain body heat in and out of the ISS?
18. If someone is injured on the ISS, how do you respond?
19. If a free-floating one-ounce drop of water were to freeze in the ISS, would it be rough or smooth in shape?
20. What are some of the personal items you brought with you to the ISS?

ARISS – Celebrating 20 Years of Continuous Amateur Radio Operations on the ISS

About ARISS:

Amateur Radio on the International Space Station (ARISS) is a cooperative venture of international amateur radio societies and the space agencies that support the International Space Station (ISS). In the United States, sponsors are the Radio Amateur Satellite Corporation (AMSAT), the American Radio Relay League (ARRL), the ISS National Lab-Space Station Explorers, and NASA's Space Communications and Navigation program. The primary goal of ARISS is to promote exploration of science, technology, engineering, the arts, and mathematics topics by organizing scheduled contacts via amateur radio between crew members aboard the ISS and students. Before and during these radio contacts, students, educators, parents, and communities learn about space, space technologies, and amateur radio. For more information, see www.ariss.org.

Media Contact:

Dave Jordan, AA4KN
ARISS PR

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