

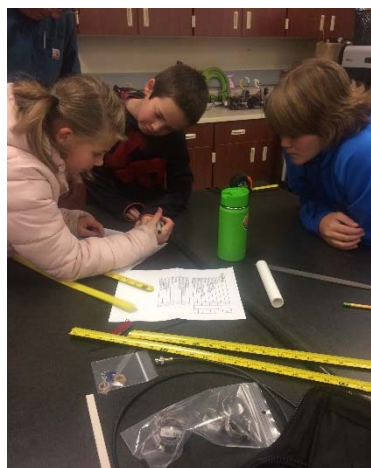
Galileo STEM Academy

ARISS Program

Based on its Contact Proposal, Galileo STEM Academy, Eagle, ID, was informed February 3, 2019, its plan had been accepted for an ARISS (Amateur Radio on the International Space Station) contact during the period July 1 to December 31, 2019. Announcement of this award was circulated in the Treasure Valley ham community shortly thereafter. This message is an update describing progress since award.

After submitting our Equipment Plan which included our contact call sign, **W7GSA**, Galileo STEM Academy received official approval of its Phase 2 input on March 20, 2019. We are now "good to go" for an ARISS contact. Recognizing this Eagle school had already adopted many of the ARISS educational objectives, our proposal offered implementation of antenna theory and construction experiments, a ham club startup, and a public demonstration by students of their ISS related STEM projects.

Two teachers involved with the ARISS program selected, with parental approval, fifteen students to form the ham club and participate in the antenna project.



They are meeting for 1.5 hours each week. With mentors looking on, teams of three students fabricated tape measure type beam antennae. Concurrently, the students learned the role of antennae in electronic technology, why antennae are not all the same, etc. Further, proper operation was checked, with student participation, on the hallway antenna range. The ARISS team will continue the antenna study during the remaining semester time. Other hams are working to resume club activity in the fall. The two teachers are applying for admission to this summer's ARRL Teachers' Institute on Wireless Technology.

Touchmark Meadow Lake Village has agreed to host our public demonstration on their park-like grounds. Although still in the planning stage, the date has been set Saturday, May 18, 2019. Specific time will come later, but it will be midday to accommodate availability of AMSAT Cubesats for communication. Plan to join us under the banner: **Galileo's Quest**.



The ARISS team continues to include John Kernkamp, WB4JYT, Lisa Nelson, AK7WS, Stephen Nipper, N7DJX, Ken Kaae, KE7YD, and Gene Pentecost, W4IMT. Special thanks for support from the Voice of Idaho and HP Boise Amateur Radio Clubs. Jesse and Harriet Walters, residents from Touchmark came to visit GSA and appeared in photos. Thank you.

73 and 88

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