



The CubeSat

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During my interaction with classroom teachers involved in the ARRL's Education & Technology Program (ETP), I encouraged the teachers to develop a portfolio of space related activities for use in their classrooms. These activities suggests the use of Amateur Radio satellites, NOAA weather satellites, an ARISS contact, Radio JOVE, INSPIRE, and radio astronomy.

In preparation for the TI-2 (Teachers Institute part 2; Space), I wanted to develop an affordable classroom resource that teachers could add to their portfolio of space related activities to demonstrate satellite fundamentals in a controlled and predictable way so that the more tenuous live on-the-air satellite activity would be more effective as an instructional tool. The result of this effort was the creation of the CubeSat Simulator.

The CubeSat kit is available, free to schools, who meet the criteria below, to use in their Wireless Technology Curriculum. The kit is available by sending your request, on school letterhead to the ARRL Education Services Department.

Interested schools should forward requests to the ARRL Education Services Department on school letterhead, signed by the school principal and the lead teacher. In the letter of request please verify that:

1. The lead teacher will need to explain how they plan to use the CubeSat simulator in their Wireless Technology Curriculum.
2. The lead teacher will share their CubeSat Wireless Technology Curriculum with the ARRL Education Service Department prior to receiving a free kit.

Please send requests for the CubeSat kit to:
ARRL Education Services Department
225 Main St.
Newington, CT 06111.

Teachers who are interested in learning more about introducing Wireless Technology in their classroom should apply to attend one of ARRL's Teacher Institutes on Wireless Technology (TI). For more information about TI's, please click on this link:

www.arrl.org/teachers-institute-on-wireless-technology

For more information about the ARRL Education & Technology Program, contact the ARRL Education Services Department, etp@arrl.org. To learn more about how to support the ARRL Education & Technology Program, contact ARRL Chief Development Officer Mary Hobart, K1MMH, 860-594-0397; mhobart@arrl.org