

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)  
Lift Off - Secondary Space Education (2)

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COLLABORATING WITH CUBESATS: THE FORMATION OF THE WOLFPACK CUBESAT  
DEVELOPMENT TEAM**Abstract**

The Wolfpack CubeSat Development Team employs a 'BLUE-SKY Learning' philosophy. Young students have the potential and resources to accomplish remarkable technical feats - even launching their own spacecraft. The WCDDT, located within the Weiss School in Palm Beach Gardens, Florida remains the only middle school (grades 6th-8th) program nationwide to have successfully launched a CubeSat mission with NASA's CubeSat Launch Initiative (CSLI). Following the launch in 2018 of their first CubeSat, the WeissSat-1, they were selected for a second satellite, the CapSat-1 in 2019. It is expected to launch in 2021. The WCDDT leverages the excitement of young people towards aerospace and the accessibility of CubeSats to engage the new generation STEAM workforce.

As a team, they educate students in STEAM knowledge because they believe that it is essential in a child's life. As a child grows as a student, most find STEAM interesting, but are not given the tools to learn more and thrive in the STEAM atmosphere. The STEAM pipeline is falling apart, because not many are being exposed to it from a young age. Educating students in the fascinating world of Science, Technology, Engineering, Art, and Mathematics is crucial to their success, now and in later years. The team's primary goal is to build, launch, and fly a 1U student-built CubeSat in space once more. The Wolfpack outreach team wishes to expose students of all ages to opportunities in STEAM. In order to do this, the Wolfpack CubeSat Development Team is creating free products to distribute to others, for no cost. Wolfpack members wish to give opportunities to fellow students and children. Engaging students in STEAM is crucial, together we can create a more educated generation.