



PSP Student Launch

A forefront contender in NASA Student Launch

Overview

PSP Student Launch participates in the yearly NASA-hosted competition to craft a solid-propellant rocket with a mission-driven payload. The team designs its payload (and by extension, the entire rocket) around mission specifications given to the team by employees at NASA Marshall in Huntsville, Alabama, and presents its work to these employees in scored design reviews throughout the course of the year.

At the end of the competition, the team travels to Alabama and demonstrates the ability of its design to launch and accomplish the payload mission. The team is joined by many other high school and collegiate teams from around the country who all compete to earn awards from NASA in categories such as safety, altitude, and overall performance. In the 2020 season, the competition is comprised of 46 collegiate and 18 high school teams.

Breakdown

PSP Student Launch has six subteams that you can be a part of:

- **Avionics & Recovery**, covering vehicle electronics, control systems, and recovery deployment.
- **Business**, managing the team budget and fundraising campaigns.
- **Construction**, encompassing the design and assembly of the rocket.
- **Payload**, developing the mission-driven payload for the competition.
- **Safety**, ensuring all team operations are performed in a safe environment.
- **Social Media & Outreach**, managing the team's public relations and outreach initiatives throughout the competition season.

AT A GLANCE

- Started in 2010
- Participates in NASA Student Launch
- Designs a solid-propellant rocket with a mission-driven payload
- Travels to Huntsville, AL for final demonstration
- Competes in technical and business aspects

CONTACT

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