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Team 116 Epsilon Delta: A Complete Basic History...kinda

Drawn from 2014 and 2015 Chairman's Essays, drafted handbook, the "Executive Summary", random notes, and maybe other stuff off the internet.

Overview

Team 116 Epsilon Delta is a FIRST FRC robotics team, founded in 1996 by:

- Dave Lavery
- Amy Forestell
- Lena Holt
- Treyzana Syedhyead
- Dave Miller



Although originally starting at South Lakes High School, they lacked support and interest. After three years, Team 116 relocated to Herndon High School, where it flourished and lives to this day.

What does Epsilon Delta mean?

Epsilon Delta, or $\epsilon\Delta$, was derived from Team 116 alumni Matt Anwari's physics homework. Epsilon, in math, is an arbitrarily small quantity, while the delta represents a difference.

It's actual meaning became our team motto: "From small changes come big differences."

This was found to represent our team in a large way, such as:

Small change: Showing robots to little kids in elementary school

Big difference: Those little kids become lead engineers at NASA.

Money and stuff

Two main sources of team revenues:

1) Outreach events

- a) Donations
- b) Selling hex-bugs at the Herndon Festival

2) Sponsors (Bulk Of Money)

- a) Herndon High School - facilities
- b) NASA Headquarters - \$35,000
- c) The PTR Group (Anderson) - \$2,000
- d) Mach V Motorsports, LLC - welding
- e) Hotrods 2 Hybrids - welding
- f) AutomationDirect - animation competition

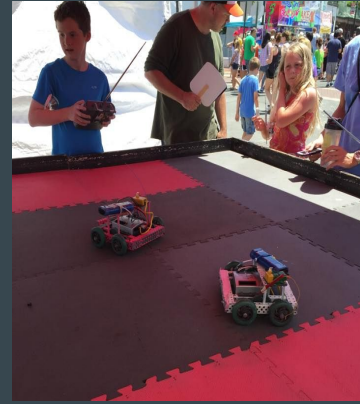
We are the first NASA funded team, and as a result over 700 teams have been able to start.

Outreach

Team 116 does a lot of outreach, thanks to the awesome outreach captain. do this because of three things:

1. We like helping people
2. We like taking money from people
3. We want to live up to our team motto

There are lots of outreach events that we do, but they don't necessarily have to be related to robotics.



This ties into our theme of ***“From small changes come big differences”***

Community

- Local Rotary Club
- *Herndon Festival Booth*
- Herndon Festival 5k Fun Run
- *Herndon Homecoming Parade Float*
- Jimmy's Old Town Tavern
- Herndon Chamber of Commerce
- *Herndon Methodist Church*
- Touching Heart's Minecraft Tournament
- HHS Drama Team's motorized steamboat for their rendition of *The Tempest*

Non-Local

- *Air and Scare (Udvar-Hazy Air and Space)*
- *Relay for Life (American Cancer Society)*
- *NovaLabs Mentoring*
- Herndon Elementary
- Armstrong Elementary
- Buzz Aldrin Elementary
- Hutchinson Elementary
- *Stubots Planning Day*
- *FRC Kickoff Party*

Underground Society of Animators (USA)



- After **FIRST** discontinued their Autodesk Visualization Award, Team 116 stepped up to create the Underground Society of Animators (USA).
- The team pooled together judges from *Pixar*, **DISNEY**, and Autodesk, and formed a national competition, where FIRST teams could submit their own designs for awards.
- This animation team has been a major part of **Epsilon Delta**, but over the past few years leadership has struggled to maintain its hold on the annual event.
- As a result, we've partnered with Automationdirect to help the society stay afloat.

Team 116 Alumni

Matt Haberland went on to design the next Mars Rover at NASA.

Alisha MacIntyre founded FIRST Israel in 2004.

Amanda Youmans went to RPI to study nuclear energy resolution functions

Chris Parker creates interactive advertising projects such as the new coin-collecting game for Super Mario Bros.

A bunch of existing mentors graduated from this team and came back because they love us and we love them!

FIRST Israel



Alisha MacIntyre founded **FIRST Israel** in 2004, which works to inspire thousands of Israeli youth to pursue learning and leadership in science and technology innovation, and to promote culture change through community based programs.

Team 116 helped create a system that would pair US teams with Israeli teams. Even today, the relationship continues. We send team 2630, the Thunderbolts, supplies at their competitions that would be difficult to ship overseas. Sometimes we even set times to meet and catch up.

Notable Events in the Somewhat Recent Past

We were invited by **NASA** in April 2012 to witness the “Welcome Discovery” celebration at the Smithsonian Museum.

Later that year we were invited to NASA Headquarters to present to a Girl Scout troop.

We were invited to the White House for the fourth time in 2014, when female team members attended the Science Heroes Film Festival.

In 2005, we piloted the FIRST VEX program and competed in the inaugural FIRST VEX National Challenge in Atlanta, GA where our team (18) was on the Championship alliance.

