

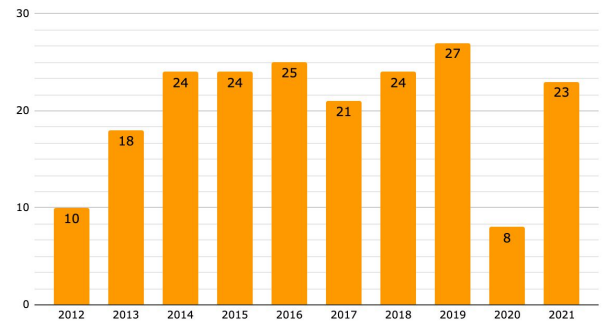
TEAM NEUTRINO

FIRST Robotics Team #3928

Outreach

- Rocket Day
 - Introduced in collaboration with WC Rocketry, a high school rocketry team
 - Designed, built, and launched bottle rockets
 - Commemorating the 50th anniversary of the Apollo 11 mission
- Stay-at-Home STEAM
 - New outreach project promoting at-home learning
 - Series of 27 Youtube videos in spring 2020
 - Continued to supplement learning in fall by partnering with a local elementary school to develop and deliver 50 STEM kits
 - Full Steam Ahead made as a sequel series
- Enrich, Empower, Excel (EEE)
 - 3928 has spent 2,978 hours teaching classes for Ames' Empower, Enrich, Excel (EEE) program, reaching 497 kids since 2012.
 - 27% of our current team members have taken Neutrino-led EEE classes before joining the team.
 - Designed and taught curriculum for robotics, circuitry, and Makerspace activities
 - Taught 11 activities over 3 weeks last summer
 - Reached 80 students from the community

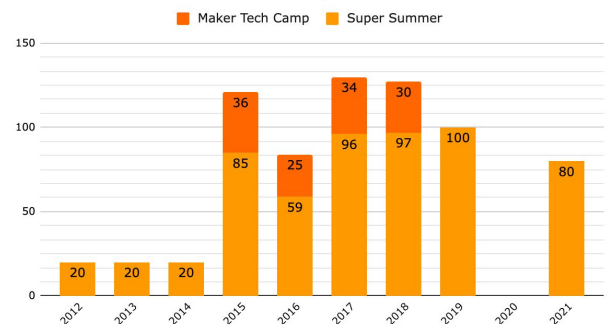
Number of Outreach Events



Outreach Events+Camps

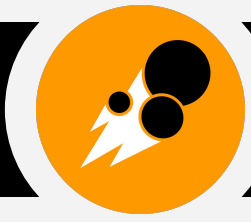
Since 2011	Past 3 years	Past 1 year
8,515 hours	2,502 hours	682 hours
175 events	56 events	22 events
178,048 people reached	28,317 people reached	9,397 people reached

K-8 Camps Kids



Camps

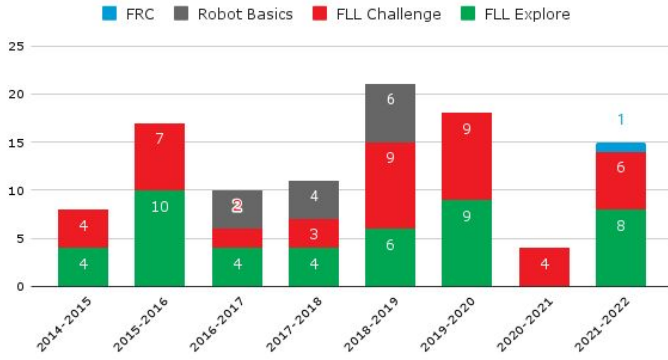
Since 2011	Past 3 years	Past 1 year
3,781 hours	1,067 hours	107 hours
46 classes	37 classes	3 classes
702 kids taught	180 kids taught	80 kids taught



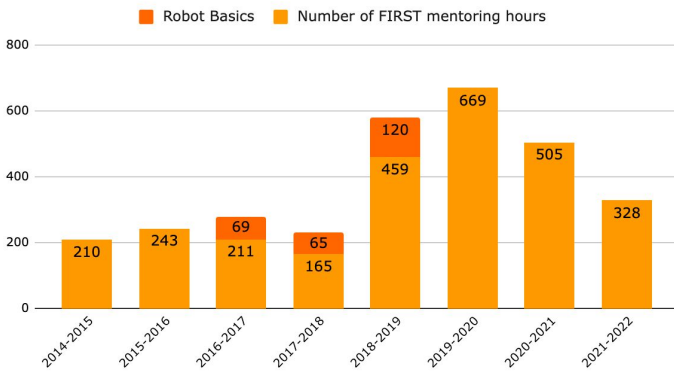
TEAM NEUTRINO

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Number of Mentored Teams



Mentoring Hours



	Since 2014	Past 3 years	Past 1 year
FLL teams started	6	3	0
FLL teams mentored	44	19	6
FLL Jr. teams started	15	0	0
FLL Jr. teams mentored	45	17	8
Overall FIRST teams started	21	3	0
Overall FIRST teams mentored	90	37	15
Overall FIRST mentored kids	667	260	99
Overall mentoring hours	2,789	1,501	328

Mentoring

- Team Neutrino Mentors
 - 64% of members mentor FLL/FLL Jr.
 - Our members attend every meeting
- Ames FIRST Alliance
 - Iowa FLL Unconference started July 2019, we have this an annual event
 - Slack workspace for coaches and mentors
 - 108 members in Alliance Slack
 - Mini-grant started in 2015
 - Allows teams to request funding for specific needs
 - Since 2015: \$4,389 to 28 teams
- FRC
 - Team Neutrino has hosted the Chairman's Exchange at the Iowa Regional since 2016, the first year of the Iowa Regional.
 - We started FTC Team 18050 Team Photon at Ames High School in 2020
 - In 2020, we hosted 4 Virtual Chairman's Exchanges that 20 FRC Teams attended
 - Beginning process of starting an FRC team in Iraq
 - We are mentoring Rocket Rampage this season, a Rookie FRC Team



Mentoring at Ames FLL Scrimmage