Community Outreach

93455 Dragon Robotics

The Delta Robotics Program

2024-2025

1/25/25

WHO WE SUPPORT

Delta Robotics not only supports the opportunity for Delta students to engage in STEM learning and team building with robotics, we also do a lot of outreach to local schools and partner with Cal Poly and other programs to introduce robotics and STEM in the Santa Maria Valley.

60 +
Teams in
SMBSD

Maple
High
School

Delta
Robotics

Righetti
High
School

Calpoly
Seeds and STEM

12/14/24 SMBSD TOURNAMENT

4/20/24 SMBSD TOURNAMENT

1/15/25 SEEDS AND STEM-Cal poly

DISCOVERY MUSEUM SCRIMMAGE MATCHES

10/6/24 OPEN STREETS

10/2/24 STEM NIGHT-Bonita

4/20/24 SMBSD TOURNAMENT

1/15/25 SEEDS AND STEM-Cal Poly

10/6/24 OPEN STREETS

12/14/24 SMBSD TOURNAMENT

2/24 OLD MISSION ELEMENTARY

12/14/24 SMBSD TOURNAMENT

WHAT WE'VE DONE

What has your team done to address a challenge or problem in your community?

FEB 24' - JUN 24'	JUN 24' - OCT 24'	OCT 24' - DEC 24'	DEC 24' - FEB 25'
SMBSD + CPSS	COMMUNITY	SMBSD + MAPLE	2025 So far...

SMBSD + CPSS

Last year Delta robotics provided support to Cal Poly's Seeds and STEM program creating a board game for elementary students at Juan Pacifico Ontiveros Elementary School. Us and other alumni travel to the different elementary schools in SMBSD to help 3rd-6th graders learn robotics (including Ernest Righetti High school) During, we also hosted four tournaments for SMBSD at Santa Maria High School, Libbon Elementary, Delta, and Tommie Kuntz

COMMUNITY

Open Streets, Santa Maria

SMB workshop-Souza Center

Bonita-STEAM Night

RHS-Startup (10+ times)

SMBSD + MAPLE

Maple scrimmage/field day

RHS-build days (fridays)

Tommie Kuntz- 4x

Taylor-1

Tunnell-1

Bonita-3x

Discovery Museum-4x

El Camino-1x

2025 So far...

Seeds n stem, Cal Poly

SMB Vex IQ tournament- Tommie Kuntz

SKILLS WE SHARE

What skills, knowledge, and resources does your team share with the community? Are they skills you gained from participating in robotics?

Better communication

3-4 person teams have to learn how to work together in order to be successful over many months.

Overcoming setbacks

Failure is a necessary part of learning and developing something

Engineering Process

Idea, sketch, build prototype, test, alter…start again!

Programming

Python

Emotional Self-regulation

Anxiety and depression symptoms are greatly reduced during hands-on problem-solving activity

Tool use

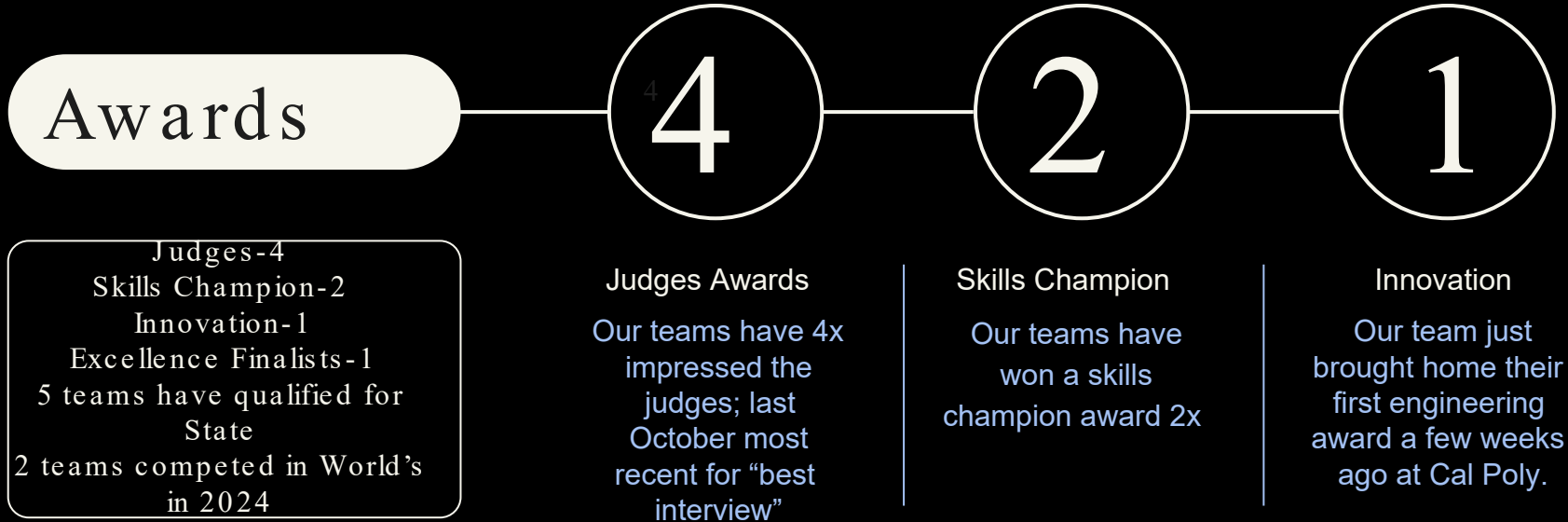Basic tool safety & practical problem-solving with tools

WHY IT'S IMPORTANT

- Robotics employment in California has a 15% + projected growth over the next decade alone.

- Our team has proven time and time again that students from our area, even without being in a 4 - year program like most teams, can compete at the highest levels.

- There are 1000's of students coming to our high schools every year who now have some Vex robotics experience already.

- Robotics is a "gateway" to higher STEM scores.

Some of our accomplishments over the last few years

Awards

4

2

1

Judges-4
Skills Champion-2
Innovation-1
Excellence Finalists-1
5 teams have qualified for
State
2 teams competed in World's
in 2024

Judges Awards

Our teams have 4x impressed the judges; last October most recent for "best interview"

Skills Champion

Our teams have won a skills champion award 2x

Innovation

Our team just brought home their first engineering award a few weeks ago at Cal Poly.

Confidential

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Our Impact on team members:

2019-2020,
Covid,
2021-2025

44 Total members
100% earned High School Diplomas
37 Robotics for only 1 year…
29 are still in college

Notable educational endeavors:

4 - computer science
9 - mechatronics (engineering)
7 - Ind. Arts
1 - Business
1 - Architecture
1 - United Airlines Flight Academy

"If you can build a robot and go compete in a
 tournament, you can do anything."

LOREM IPSUM
TITLE HERE

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TITLE HERE