

STARBASE Minnesota, Inc. – St. Paul Overview & Annual Results FY25



STARBASE Minnesota, Inc is a 501(c)(3) nonprofit organization, founded in 1993 with a mission to educate and inspire youth in science, technology, engineering and math — STEM. Since 1993,

STARBASE has served over 100,696 youth in onsite programs and an additional 144,063 MN students and their teachers with STEM Kits. The core 5-day STARBASE experience is a program of the Department of Defense and Minnesota National Guard who provide a state-of-the-art facilities on the 133rd Airlift Wing in St. Paul and the 148th Fighter Wing in Duluth with access to exciting, technology-rich environments, in-kind services and volunteers who participate in STARBASE Minnesota programs. STARBASE Minnesota, Inc. partners with area school districts to provide STEM programming, MN Guard and corporate partners who provide volunteer STEM professionals that enhance programs, and financial/in kind support. STARBASE Minnesota, Inc. has an 18-member Board of Directors and a nine-member Duluth Advisory Board with backgrounds in business, education, military and government. There are over 85 STARBASE locations in the U.S. in 35 states/territories, including Puerto Rico and Guam.



STARBASE Minnesota, Inc provides: immersive five-day, 20-25 hour STEM programs for students in grade 5, (grades 4-6 in summer), with authentic, rigorous and engaging learning experiences aligned to standards. STARBASE also supports STEM learning long after STARBASE through the STARBASE 2.0 mentoring program, STARBASE Student Guide to STEM Pathways Clubhouse extension activities. Finally, thanks to the MN State legislature, MN Department of Education and other corporate partners, including Ecolab, 3M, Cummins and Medtronic Foundation, STARBASE Minnesota put STEM in the hands of more than 31,000 5th grade students and their teachers in approximately 392 schools across Minnesota in FY25 with “STARBASE Destination Mars” STEM Kit curriculum, accompanying website, and all supplies for each of the 23 lessons – free to schools.



In FY25 onsite programs, STARBASE Minnesota, Inc served 3,640 students from 53 Twin Cities schools and 3,058 students from 43 schools in Duluth and northland, a total of 6,698 students from 96 schools. In FY26, STARBASE will serve 3,650-3,750 students in St. Paul and 3,100-3,200 in Duluth onsite. For Full STARBASE-Duluth stats, please see: <https://www.starbasemn.org/duluth/about-us/annual-report-2/>.

STARBASE Minnesota-St. Paul Student Demographics (school year programs)

Male	Female	Title 1 Schools	ELL	African Amer	Asian Amer	Hispanic	Native Amer	White	Multi-Racial, Other
51%	49%	96%	22%	21%	17%	15%	1%	30%	16%

FY25 Student & Teacher Results (St. Paul): (measured by pre and posttests; surveys and evaluations; Wilder Study)

- 93% students increased knowledge / skills in science, technology, engineering and math
- Students gained 32 percentage points pre-post (school year only), in STEM knowledge and skills
- 95% students reported STARBASE made learning fun; 99% learned new things at STARBASE, 90% reported increased interest in STEM
- Additional pre/post student survey data reflected exceeding targets for positive change in attitudes toward STEM, confidence in their STEM abilities, greater self-identity with STEM and in the STEM careers they have interest in pursuing.
- 95% classroom teachers reported gains in knowledge, teaching methods, strategies
- 99% teachers rated STARBASE excellent or very good; 100% want to return
- 81% of students in onsite programs participated in an additional 17,092 STEM Clubhouse extension activities at home, bringing STEM home to siblings and whole families.
- 8-10 years later, 99% of former STARBASE students surveyed thought STARBASE was a valuable learning experience; 83% felt the program helped them understand STEM better and 79% said it increased their interest in STEM; additional positive impacts were realized on graduation and college enrollment. *Full study by Wilder Research.*



FY25 Volunteer Participation:

- 346 STEM industry volunteers participated 738 hours in STARBASE in STARBASE STEM at Work events demoing real-world STEM and STEM careers, expanding the bank of STEM career videos for STARBASE, liaison work, packing STARBASE STEM kits for students across MN, professional development and training, liaison work, facilitation, and more.
- 78 military members volunteered 209 hours, participating in weekly Q & A sessions, rocket launches, C-130 tours, summer programs, assembling STEM extension lessons, liaison work.
- 21 adults served as mentors and facilitators to 23 middle school students, 11 weeks, 236 hours
- 270 parent volunteers contributed 1,865 hours supporting student learning in classrooms.
- 22 STARBASE Minnesota, Inc. Board of Directors members volunteered 366 hours



Educator Participation:

- 306 educators participated 4,088 hours in STARBASE onsite programs bringing enthusiasm, knowledge and skills in STEM learning back to school.
- 781 educators implemented STARBASE Destination Mars STEM kits in 392 schools in Minnesota

FY25 School Year program Participation in STARBASE Destination Mars STEM Kits: 32,494 STEM Destination Mars Kits to 392 MN schools with students and teachers participating in over 21 hours of STEM lessons. Of the 392 schools, 65% receive Title 1 funding; 49% are metro schools; 51% greater MN.

Other Highlights, a Sampling:

- STARBASE Minnesota, Inc. – St. Paul was recognized as a Center of Excellence by DoD STARBASE
- Curriculum and program advancement and innovation that resulted in new lessons, curriculum and technology including Vive VR, Indi Robotics, Revopoint scanner, microscopes and more.
- STARBASE Destination Mars STEM Kits and accompany mission and instructional videos were realigned to new science standards with lessons linked to local STEM careers at corporate partners. Cummins employees packed 35,000 baggies of hydrophobic and hydrophilic material for these kits to help dramatically reduce costs. Additional events at 3M, Xcel Energy, nVent, and Collins Aerospace were held to build engine mounts and pack salt and other supplies for STEM kits.
- STARBASE 2.0 mentoring program supported 22 former STARBASE students and peers at E-STEM Middle School's STEM Club, with mentors from 3M, Ecolab, Medtronic, Seagate, MN Guard and exciting, culminating event at 3M to expose students to STEM career opportunities.
- Developed over 5 new STEM career videos in FY25; to date, a total of 49 STARBASE Minnesota-developed STEM career videos highlighting local STEM careers, professionals of corporate STEM industry partners.
- Twelve STEM at Work events were conducted in FY25 with a record number of corporate volunteers demoing STEM applications at their company and expanding awareness of STEM careers.
- Awarded six \$1,000 scholarships in FY25 to former STARBASE students who attended during the school year, pursuing post-secondary STEM education in a STEM career area. See recipients: [h
https://www.starbasemn.org/alumni/scholarshiprecipients/](https://www.starbasemn.org/alumni/scholarshiprecipients/)

Thank you to STARBASE Minnesota, Inc. Funders in FY25: DoD, State of Minnesota; Individual donors; Additional financial support from: 3M: \$35,000; BAE Systems: \$7,500; Boston Scientific \$20,625; Cenovus Energy \$5,000; Collins Aerospace: \$5,000; Cummins \$20,000, Ecolab: \$13,500; Minnesota Power: \$25,000; Stratatsys: \$21,522 (inkind); Toro: \$3,756; Xcel Energy: \$49,000 other corporate donations totaling \$32,500.

Thank you for investing in our mission of educating and inspiring Minnesota youth in STEM!



STARBASE Minnesota, Inc. is a non-federal entity. It is not part of the State of Minnesota, the Minnesota National Guard, the National Guard Bureau, or the Department of Defense or any of its components and it has no governmental status.