

# 2020 Fiscal Year Annual Report



## About Us

DOD STARBASE Wisconsin's (STARBASE WI) mission is to educate and inspire youth in science, technology, engineering, and math (STEM). Since 2012, STARBASE WI served over 7,400 urban youth. As an academic outreach program of the Department of Defense and Wisconsin Air National Guard, they provide educational access to an exciting, technology rich environment, supported by in-kind services, and volunteers. STARBASE WI partners with the Milwaukee Public School District (MPS) to provide STEM programming during the school day and afterschool. There are 70 STARBASE locations in the U.S. in 32 states and Puerto Rico.



STARBASE WI provides fifth grade students in Milwaukee public, choice, and charter schools a five-week, 25-hour odyssey into the exciting world of the sciences through hands-on activities, experiments, and technology projects. Students are immersed in the world of aviation through 30 hours of instruction by volunteer pilots serving as mentors and STARBASE educators. The afterschool program includes an abbreviated Private Pilot Ground School and Flight Performance Training with desktop Flight Simulators and interaction with military and civilian professionals with careers in STEM fields.

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## Virtual Learning Program

A virtual online program was developed collaboratively with STARBASE Sacramento to meet students' and school district needs this school year. [Watch this video to view the program's format and meet our instructors.](#) Each week a classroom features live science/engineering instruction, at-home science experiments, comic books with superhero pilots, videos of scientists and engineers at their jobs, vocabulary games, and interactive simulations. STARBASE Instructors created and gathered resources to introduce youth to STEM concepts and vocabulary.



## Staff Expansion

Our state's team expanded from three to six people. Deja Olloway serves as the Office Manager. Jacquelyn Boyd and Kenneth "KJ" Jones are STEM Education Instructors.



*Jacquelyn Boyd* worked in both the education and aviation arenas. As a Special Education Teacher, she used a unique way of teaching students how to advocate for themselves. In her aviation work students learned the amazing science of flight. She said, "I know that being part of the Staff Development Program Team, here at STARBASE WISCONSIN, will be a challenging and fulfilling experience for me and I'm very excited to get to work."

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## Staff Expansion

*Kenneth “KJ” Jones* is originally from North Philadelphia and served as a youth servant for the past 25+ years. He has been a part of the Milwaukee community since 2014. KJ joins us after serving five years as a Site Director for the Bradley Tech High School Boys and Girls Club. He said, “I am excited about my new journey.”



*Deja Olloway* is a Milwaukee native and is currently STARBASE’s office manager. She attended the University Wisconsin- Milwaukee where she graduated with a bachelor’s degree in psychology and sociology. She’s dedicated to adolescent development, psychology, and education. Throughout her time at UWM, she supported the Medical College of Wisconsin’s Reach Out and Read Program. During that time, she visited low-income pediatric clinics to help children with early literacy, homework tutoring, while donating reading glasses and books. She also spent time serving as a leader in a pre-college program called UWM Mini Courses. Deja provided assistance to instructors, while helping students with hands on projects, and providing student mentorship. Deja is now pursuing her master’s degree in clinical mental health psychology and adolescent studies, on her off time, with the Chicago School of Professional Psychology.



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## STARBASE Wisconsin Student Information

- In FY 20, STARBASE served 20 classes from 18 Milwaukee area schools. STARBASE will serve over 800 students next fiscal year.

## Student and School Teacher Results

- 12% average growth in students’ knowledge of the sciences and engineering content after attending the school day program.



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## Outreach Highlights

- Promoted STEM education at virtual events including:
  - 2019 & 2020 Girls in Aviation Day
  - Wisconsin National Guard Badger Fall Youth Camp.Read more articles about our [2020 accomplishments](#).

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## STARBASE Alumni Results

- Updates from the MPS High School Graduating Class of 2020

***Yasmin Griffins*** – Madison High School Graduate, Milwaukee, Wisconsin

She currently attends Stevens Point University, majoring in Physical Therapy with a concentration in sports. Prior to STARBASE program, Yasmin had never participated in a STEM based program, but was always interested in math. Eventually, she did gain a liking to science due to STARBASE curriculum while earning a \$10,000 Herb Kohl scholarship for volunteering at her local church food pantry.

***Shekinah Jones*** - Salutatorian, Wisconsin Conservatory of Lifelong Learning High School from Milwaukee, Wisconsin

Ms. Jones plans to pursue her undergraduate degree in Preschool education at Mount Mary University. She says, "I LOVE CHILDREN! They are so cute and warm hearted." She was also a thriving band member on the drumline, playing the clarinet, and also section leader for the snare drums. Lastly, she served on the Restorative Justice Program where she mentored at risk students. She's earned many awards such a scholarship for being an outstanding student and Civic Music Award by the Milwaukee Civics Band.

***Guadalupe Gomez Soto*** – Salutatorian, Carmen High School from Milwaukee, Wisconsin

While in high school, she participated in several science programs including Alverno weekly Girl's Academy and the Global Youth Leadership Institute. She earned multiple scholarships such as: Burger King Scholars, Marquette's Educational Opportunity Program, Talent Incentive Grant, and GEAR-UP. As she explains, "STARBASE did generate a lot of interest in Science and Math. I remember going to STARBASE and there was a day I recall so vividly that we tested out velocity in cars and we put them on little ramps. I remember it fascinated me so much and did not want to leave that day. It was just an amazing experience to be a part of."

She began her freshman year at Marquette University leaning towards majors in Finances and Business Marketing or Studio Arts and Spanish for the Professions. Her career goal is to be a business owner and open a non-profit for first generation college students.

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## In-Kind and Volunteer Program Support

- 35 volunteers provided 958 hours which are valued at \$20,125
- Program is valued at \$425 per student