

STARBASE is funded through the Department of Defense with local donations helping to offset items not covered within the grant. STARBASE 2.0 is entirely funded through in-kind donations, cash donations and grants.

We are always looking for mentor volunteers! Donations are tax-exempt.

For more information, contact STARBASE of South Dakota, Inc:

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[www.sdstarbase.org](http://www.sdstarbase.org)



"At STARBASE, I had one of the best times of my life so far!"

"I learned it's hard building a rocket by yourself!"

"If STARBASE was open to anyone, I would be there all the time."

"My favorite activity was Eggbert. I learned how to work together."

"This is the best thing that's ever happened to me in my whole life."

- Student Comments



Sponsored by the South Dakota National Guard,  
administered by Black Hills Special Service Cooperative  
and supported by Ellsworth Air Force Base.

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**Building on the Excitement of Aerospace,  
Students Are Encouraged to Seek Out Their Dreams**



Pre- and post-tests show that children who attend the STARBASE program can improve their understanding of science and math by 30% or more. Students report liking math and science better, and they begin to consider careers involving these skills.

Most importantly, the positive experience with military men and women helps students come away from the program with improved confidence in their own ability to continue to achieve in the areas of science, technology, engineering and math.

The mission of STARBASE is to provide innovative educational programs in unconventional settings that focus on science, technology, engineering, math, and teamwork skills. Each STARBASE Academy site conducts a minimum of 700 hours of classroom contact per year allowing us to inspire nearly 4000 fifth grade South Dakota students each year.

STARBASE is a five-day program. Students and teachers normally attend one day a week for five weeks during the school year. Students are transported by their home school district to the supporting South Dakota National Guard site and/or mobile STARBASE NOVA classrooms. These mobile classrooms are moved across SD reservation and rural locations. This is a unique aspect of the STARBASE program and only available in South Dakota.

The mission of STARBASE is accomplished by exposing youth to technological environments and positive role models found on military bases and installations, we provide 25 hours of exemplary instruction, using a common core curriculum that meets or exceeds the National Standards. We nurture a winning network of collaborators and build mutual loyalty.

Igniting a student's interest in science, technology, engineering and mathematics (STEM Program), will increase knowledge and skills. Developing teamwork skills and providing real world, problem-solving activities to practice these skills.

Demonstrating the relevancy and use of science, technology, math, teamwork, and goal setting in the workplace is the goal. Teachers will have opportunities for classroom training and demonstrations of practical activities to maintain student interest in science, technology, engineering and math. Students learn:

- |                                   |   |
|-----------------------------------|---|
| 1. Newton's Three Laws of Motion  | 6. Navigation & Mapping                             |
| 2. Fluid Mechanics & Aerodynamics | 7. Engineering Design Process                       |
| 3. Building Blocks of Matter      | 8. 3-D Computer-Aided Design                        |
| 4. Physical & Chemical Changes    | 9. Measurement                                      |
| 5. Atmospheric Properties         | 10. Data Analysis                                   |
|                                   | 11. Exposure to STEM Careers on Military Facilities |



40% and other content areas."

"A caring and dedicated staff took a good program and transformed it into a once-in-a-lifetime memorable experience for my class of needy and underprivileged children."

"STARBASE teaches nearly 60% of our State Science Standards in five exciting days, this allows me to focus on the other

"The students were excited when taking the Dakota Step. They kept saying, 'We learned that at STARBASE!'"

- Teacher Comments



**STARBASE 2.0** combines STEM activities with a relationship-rich, school-based environment to provide the missing link for at-risk youth making the transition from elementary to middle school. It extends the positive impact of STARBASE through a team mentoring approach which solidifies students' attachment to and engagement with school.

STARBASE 2.0 has a unique program design, incorporating elements of team mentoring, school-based mentoring, and afterschool programming.

This unique combination aligns with the intended outcomes of the program to increase STEM interest and knowledge, reduce high-risk behavior, increase engagement with school, and increase career awareness.