

News from the field of the premiere DoD Youth STEM education program.

## STARBASE Directors Unite to Support the Florida Defense Alliance

STARBASE Academy Directors throughout the state of Florida attended the Semi-Annual Meeting for the Florida Defense Alliance on November 17, 2021, in Orlando. Directors Bruce Griner of STARBASE Florida, Carol Sluzky of STARBASE Patrick, Lindsey Spalding of STARBASE Central Florida, and Rita Miller of STARBASE Pensacola presented to a panel of civilian and military experts about the national Department of Defense Youth STEM Program.



The panel answered questions from attendees and discussed the future growth of the program in Florida, as well as nationwide. Additionally, they discussed how the program impacts the community and ways to have companies and individuals get involved and assist in our mission.

This was the first meeting of the STARBASE Director Cohort in Florida, and moving forward they plan to meet semi-annually to coordinate community outreach events and discuss ways in which the Florida programs can assist one another to ensure the longevity of the STARBASE program in the Sunshine State. This collaborative approach offers opportunities to innovate, problem-solve, and discuss ways in which everyone can improve so that the Florida STARBASE programs have the highest level of achievement, growth, and overall student success. Their mission is to get students interested and excited about STEM! By working together, we can make it happen!



“It is not that I’m so smart. But I stay with the questions much longer.”  
–Albert Einstein

For those programs that have not resumed normal operations, updates to the COVID Operational Status Tracker spreadsheet are due no later than February 28th (last day of the month).

These updates are provided to OSD/M&RA as a report monthly.

The link to the spreadsheet is available in STARBASE-U. If you are having trouble accessing the tracker, please contact [email@dodstarbase.org](mailto:email@dodstarbase.org) for assistance.

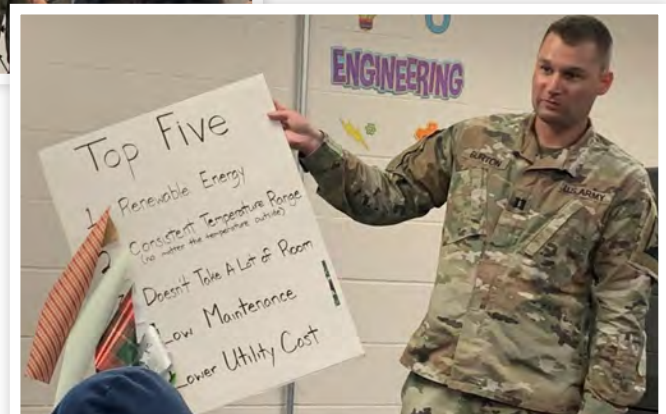
## STARBASE Kansas City Students Learn the Benefits of Using Geothermal Energy

Students from STARBASE Kansas City learned a little about how geothermal energy can keep a building warm in the winter and cool in the summer.

The Lenexa Readiness Center will be upgraded with a new geothermal-based heating, ventilation, and air conditioning system designed by Latimer Sommers & Associates, P.A.. The project was awarded to Central Mechanical Construction Company in October 2021. Capt. Tim Burton, a project manager with the Kansas Army National Guard Construction and Facilities Management Office, presented an overview on this upcoming project to the STARBASE students on December 10th, 2021.

The Geothermal HVAC Replacement Project at the Lenexa Readiness Center will begin with the contractor drilling 24 vertical well pipes, 400-feet deep each, placed in the motor pool. Burton's presentation explained the process of heat exchange from the ground to each well pipe, and how geothermal energy will provide hot air to the building in the winter and remove the heat from the building in the summer via a heat pump in the mechanical room. At the end of the presentation, Burton asked the kids the top five benefits of this HVAC geothermal project and the students' responses covered each benefit shown on a poster board shown during the presentation.

"I really enjoyed getting the opportunity to interact with the STARBASE students," said Burton. "It was good to see young minds interested in the science going on behind the project at the armory. The students were attentive and were full of relevant questions about renewable energy technology."



# New DoD Student & School Demographic Collection Data Sheet

Attention all sites! A new DoD Student & School Demographic Collection data sheet is available to for immediate use! Please utilize this form and the information in it moving forward as you gather demographic information on program participants. The updated demographic collection sheet is available on STARBASE-U in the STARBASE Program Directors Course.



## Student & School Demographic Information

**TEACHERS – PLEASE COMPLETE THIS FORM AND SUBMIT IT WITH YOUR CLASS LIST**

Teacher: \_\_\_\_\_ Class # \_\_\_\_\_  
 Teacher's Email: \_\_\_\_\_ Date: \_\_\_\_\_  
 School Name: \_\_\_\_\_ School NCESSCH #: \_\_\_\_\_  
 Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 School Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

DoD STARBASE is required to collect demographic data on all student participants. The data is used in aggregate form ONLY to compile participant statistics for the DoD STARBASE annual report to Congress. Using school records, please identify the gender and ethnicity of the total number of students in your class.

Gender	Number of Students
Male	
Female	
Non-Binary	
Total Students	

Ethnicity	Number of Students
Hispanic/Latino	
Non-Hispanic/Latino	
Total Students	

Total student number must match for the gender and ethnicity identification charts.

For those students identified as NON-HISPANIC/LATINO, provide student race data.  
 Note: The total number of students in the chart below **must match** the number identified as Non-Hispanic/Latino in the chart above.

American Indian or Alaskan Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More Than One Race	Total Number of Students: Non-Hispanic/Latino

Other	Number of Students
ESL/ELL	
Title 1 Eligible	
504/IEP	
Military Dependent *	

\* Military dependents include children of Active Duty, Guard, Reserve and Retired members of the armed services.

Updated December 2021



# Stryker Vehicles Visit STARBASE Guam

More than 30 STARBASE Guam Students from Wettengel Elementary School were invited to experience the Stryker Vehicles that were brought to Guam by the United States Army First Corps as part of training. The Stryker is an infantry-carrying vehicle used in war zones for its ability to be easily deployed while providing armored protection for those on board. According to Governor Lou Leon Guerrero, Guam plays a very important role in our National Security.

Students were provided with insight about the tactical purposes of the Stryker, being afforded the opportunity to sit inside the unit and experience the strategic processes and operations of what military personnel undergo, wearing headsets to communicate with each other, also discovering the different technologies and actions the vehicle is capable of performing. The importance of Science, Technology, Engineering, and Mathematics (STEM) was stressed to students to tie concepts learned throughout the week with real-world problems.



## A Call for Participation

Throughout the year, this newsletter will continue to spotlight the achievements, partnerships, and tips of the participants of the DoD STARBASE program. Please share your achievements, success stories, and helpful tips with us at [email@dodstarbase.org](mailto:email@dodstarbase.org).

# Ever Need to Know Who Can Help You with a Question?

To help ensure you get the fastest answer to your questions, please refer to the contact list below. A copy will be available on STARBASE-U in the STARBASE News course as well!



## WHO TO CONTACT

### Annual Report & Directors Questionnaire

Cheryl Arbour	<a href="mailto:carbour@spectrumgrp.com">carbour@spectrumgrp.com</a>	504-452-5556
Kathy Schweinfurth	<a href="mailto:kschweinfurth@spectrumgrp.com">kschweinfurth@spectrumgrp.com</a>	937-581-6403

### Annual Report (Sites - One Page)

Sandy Anderson	<a href="mailto:sanderson@spectrumgrp.com">sanderson@spectrumgrp.com</a>	703-629-6643
Mikelle Cronk	<a href="mailto:mcronk@spectrumgrp.com">mcronk@spectrumgrp.com</a>	520-591-6680

### Curriculum

Sandy Anderson	<a href="mailto:sanderson@spectrumgrp.com">sanderson@spectrumgrp.com</a>	703-629-6643
Mikelle Cronk	<a href="mailto:mcronk@spectrumgrp.com">mcronk@spectrumgrp.com</a>	520-591-6680
Barbara Koscak	<a href="mailto:bkoscak@spectrumgrp.com">bkoscak@spectrumgrp.com</a>	248-766-7006
Karen Whitacre	<a href="mailto:kwhitacre@spectrumgrp.com">kwhitacre@spectrumgrp.com</a>	913-221-7944

### New Sites/Visitation

Barbara Koscak	<a href="mailto:bkoscak@spectrumgrp.com">bkoscak@spectrumgrp.com</a>	248-766-7006
----------------	--	--------------

### Operational Evaluations

Cheryl Arbour	<a href="mailto:carbour@spectrumgrp.com">carbour@spectrumgrp.com</a>	504-452-5556
Mikelle Cronk	<a href="mailto:mcronk@spectrumgrp.com">mcronk@spectrumgrp.com</a>	520-591-6680
Kathy Schweinfurth	<a href="mailto:kschweinfurth@spectrumgrp.com">kschweinfurth@spectrumgrp.com</a>	937-581-6403
Karen Whitacre	<a href="mailto:kwhitacre@spectrumgrp.com">kwhitacre@spectrumgrp.com</a>	913-221-7944

### Property Management (Resource) Evaluations

Mark Gauthier	<a href="mailto:mgauthier@spectrumgrp.com">mgauthier@spectrumgrp.com</a>	318-787-3252
LaDenna Piper	<a href="mailto:lpiper@spectrumgrp.com">lpiper@spectrumgrp.com</a>	318-308-3422

### PTC & STEM Professional Development

Barbara Koscak	<a href="mailto:bkoscak@spectrumgrp.com">bkoscak@spectrumgrp.com</a>	248-766-7006
----------------	--	--------------

### Teacher Survey, Student Knowledge & Attitude Assessments (employees of Fifty Theory)

Matt Zagorski	<a href="mailto:matt.zagorski@fifththeory.com">matt.zagorski@fifththeory.com</a>	708-391-0478
Gary Behrens	<a href="mailto:gary.behrens@fifththeory.com">gary.behrens@fifththeory.com</a>	708-391-0478

### Website, Newsletter, STARBASE-U Learning Management System (LMS)

Sandy Anderson	<a href="mailto:sanderson@spectrumgrp.com">sanderson@spectrumgrp.com</a>	703-629-6643
Mikelle Cronk	<a href="mailto:mcronk@spectrumgrp.com">mcronk@spectrumgrp.com</a>	520-591-6680