

DSHA STEM SCHOLARS

STEM SCHOLARS:

ENGAGING STUDENTS IN STEM



Introductions

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Inspiration and the International Coalition of Girls' Schools

► June 2019



Foundational Principles

- ▶ Intentional
- ▶ Coursework, yes - but more than Academics
- ▶ Future-Focused
 - ▶ College majors and Careers
- ▶ Experiential
 - ▶ Co-curricular & clubs, field trips, exposure and connections
- ▶ Camaraderie & Support
 - ▶ "Cool"
 - ▶ Build Perseverance



Actualization

- ▶ **Coursework**
 - ▶ 4 credits math
 - ▶ 4 credits science
 - ▶ 1.5 credits of STEM-Related Electives
- ▶ **On-site and off-site experiences**
 - ▶ field trips, workshops
- ▶ **Career Component**
 - ▶ Speakers, shadow, videos
- ▶ **Co-Curricular/Clubs - 1-yr participation**

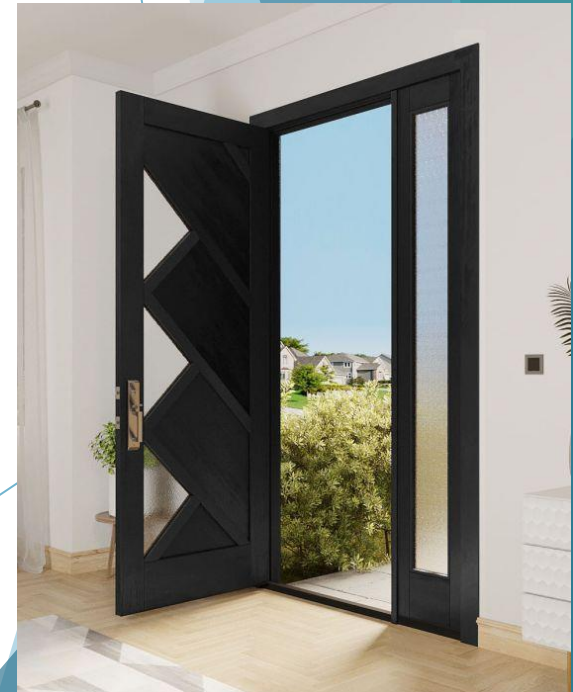


Actualization

- ▶ Perseverance Essay
- ▶ Commnications
 - ▶ MS Teams posts -
 - ▶ cheerleading and helping girls see themselves in STEM professions
- ▶ Camaraderie
 - ▶ Evolving
 - ▶ Students tend to be over-achievers

- ▶ Role of Co-Directors

"We aren't just running a program, we are creating opportunities and opening doors."

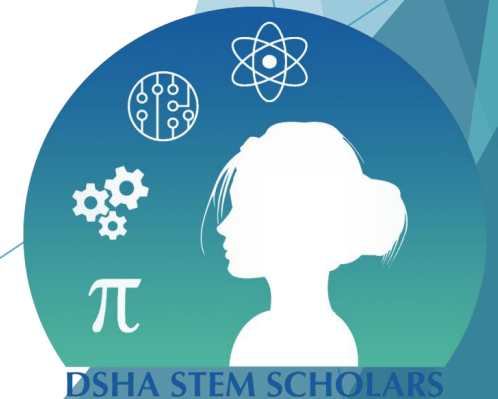


Student Voices - What makes you stick with STEM?

"I can persevere because I am willing to change my approach, time and time again."

"Focus, dedication, and effort allows me to have a greater impact on not just my learning, but on my classmates' learning as well. We are all in this together."

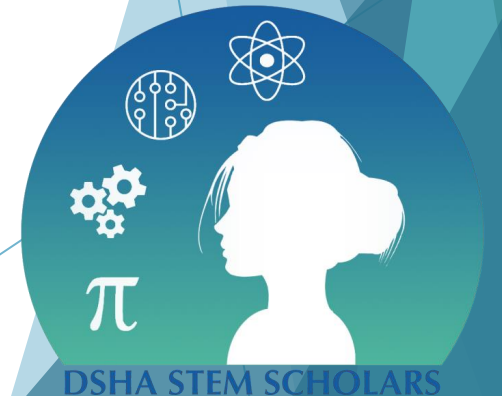
"I don't give up until the pieces start coming together..."



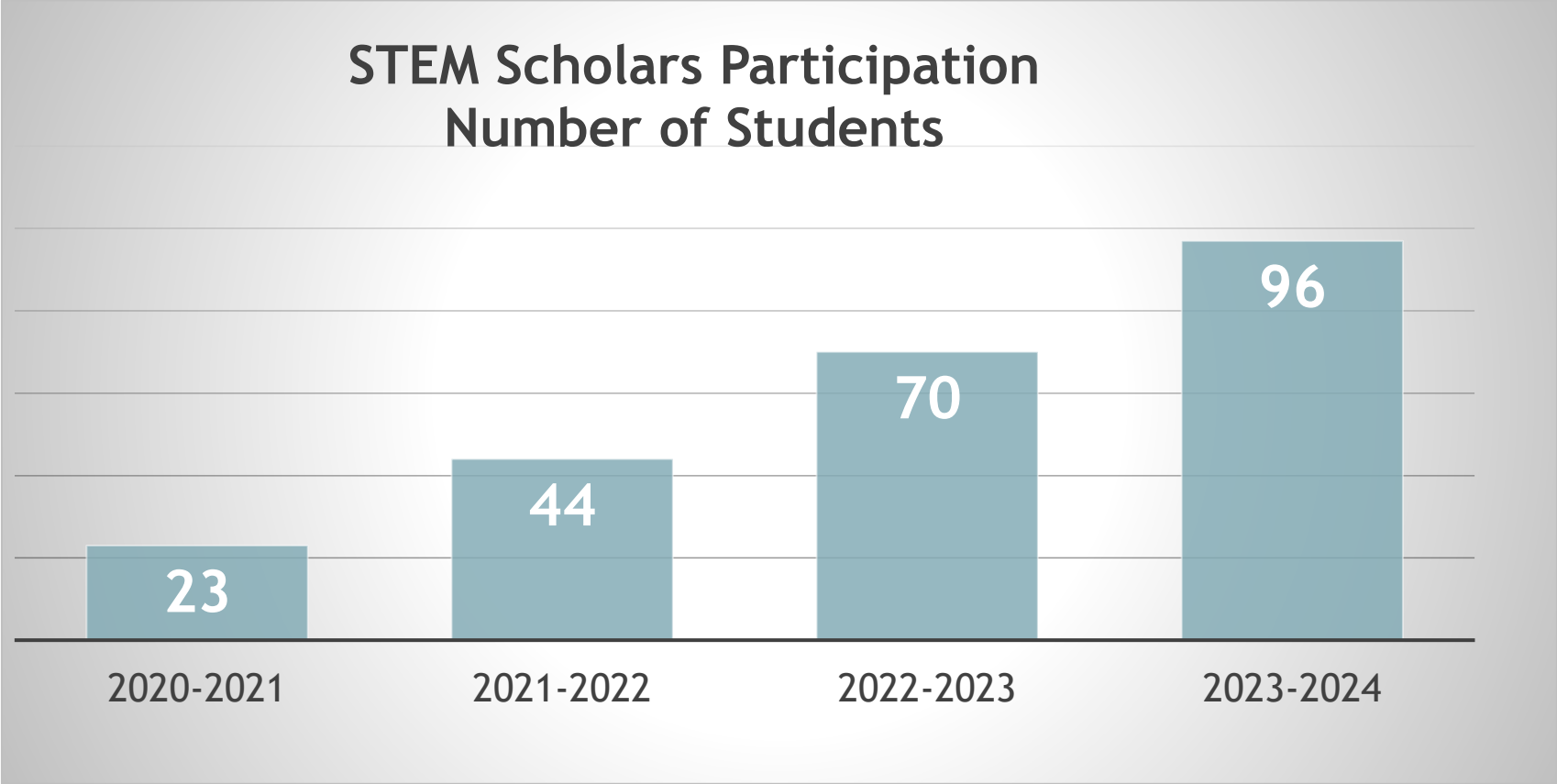
Student Voices - What makes you stick with STEM?

"STEM classes push me to my limits and demand attention to detail and precision..."

I absolutely love STEM because I love the process of growth it forces me to embrace."



If you build it, they will come...



Documents/hand-outs Process & Framework



Documents



Framework



Recognition



What we aspire to
do



Experiential and Hands-on: Your Turn

- ▶ What could this look like in your community organization, school, or workplace?
- ▶ Guiding questions: purpose, vision, outcomes, leaders



Questions, comments, discussion



Thank you!



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