

PAUL DUKE STEM HIGH SCHOOL

*Learn TOGETHER
Lead TOMORROW*



We leverage technology...

Paul Duke STEM High School is a technology themed high school in the Norcross cluster. While our school is aligned in the areas of STEM (science, technology, engineering and mathematics), our main focus is on the innovative and creative use of technology across all content areas. In every program we offer, students will gain experience applying their knowledge and skills to solve real world problems, stretching themselves to build solutions, and strengthening their critical thinking skills.

...to personalize learning.

STEM Program

We are proud to provide all students a rigorous and engaging STEM curriculum infused with technology.

In all programs, we offer:

Collaborative and connected classes

Active, hands-on learning

Learning with and through technology



Applied Engineering & Robotics

Apply engineering concepts to challenges in robotics, drones, healthcare, environmental science, and self-driving vehicles.

Communication, Art, & Design

Apply design thinking and technology in areas like graphic design, television and film, animation, and video game design

Digital & Innovation Technology

Explore applications in areas of artificial intelligence, virtual and augmented reality, and cybersecurity

STEM Career and Technical Education (CTE) Pathways

Engineering & Robotics	Engineering and Technology	Foundations of Engineering and Technology	Engineering Concepts	Engineering Applications
	Mechatronics	Introduction to Mechanics	AC Theory, Electric Motors, and Hydraulic Systems	Semiconductors, Mechanical Systems, Pump and Piping Systems
	Electronics	Foundations of Electronics	Advanced AC and DC Circuits	Digital Electronics

Communicatin, Art, Design	Graphic Design	Intro to Graphics and Design	Graphic Design and Production	Advanced Graphic Design
	Audio, Visual, Television, & Film (AVTF)	AVTF 1	AVTF 2	AVTF 3
	Marketing and Management	Marketing Principles	Marketing and Entrepreneurship	Marketing Management

Engineering & Robotics	Computer Science	Introduction to Technology	AP Computer Science Principles	AP Computer Science A
	Cybersecurity	Introduction to Technology	Introduction to Cybersecurity	Advanced Cybersecurity
	Game Design	Introduction to Technology	Computer Science Principles -OR- AP CS Principles	Game Design
	Web Development	Introduction to Technology	Computer Science Principles -OR- AP CS Principles	Web Development



WE ARE A SMALLER SCHOOL

Filled
with
GREAT
people
and
BIG
ideas

While Paul Duke STEM High School might be smaller than a traditional school, we are able to provide tremendous options for students looking toward life after high school:

Dual Enrollment

Advanced Placement (AP) Courses

Research Opportunities,
Internships, and Senior Capstone

Entrepreneurship and
Small Business Applications

Industry Certifications



Senior Experience & Exhibition

All graduates of Paul Duke STEM High School are required to participate in the Senior Experience Exhibition (SEE) Program. This program is designed to help prepare students for college and career opportunities prior to graduation. SEE will culminate in a project, and public presentation where students will reflect and synthesize their chosen experience. Students can partake in a number of experiences included by not limited to: Internships, Work-Based Learning, CTE Pathways, Fine Arts Pathways, Dual Enrollment, Industry Certifications etc...

Internship Programs

Students enrolled in the internship course will connect and learn from mentors who are current practitioners in applied STEM fields. The SEE Internship enables students to pursue their passion in a collegial or professional setting under the guidance and direction of a mentor in a career field of their interest. An Internship Coordinator and Faculty Advisor at the school will work with each student and mentor to ensure an optimum experience for both and to monitor student progress during the internship. Mentors and students are trained prior to the start of the fellowship in order to facilitate meaningful placement. Upon completion of the experience, seniors participate in an exhibition to highlight their work.

25 AP courses

Biology	Lang/Comp	Calc AB/BC
Chemistry	Lit/Comp	Computer Science A and Principles
Physics I&II/C	US History	Seminar Spanish
Statistics	Macroeconomics	Research Studio Art
World History	American Gov	French Music Theory

AP Capstone Diploma

The Advance Research Pathway at Paul Duke STEM High School is a unique opportunity that provides students a very rigorous high school experience. It is intended for students that are interested in careers in medicine, engineering and/or science research.

The pathway consists of numerous AP courses and culminates in the AP Capstone Experience, which makes it comparable to other high-level programs.

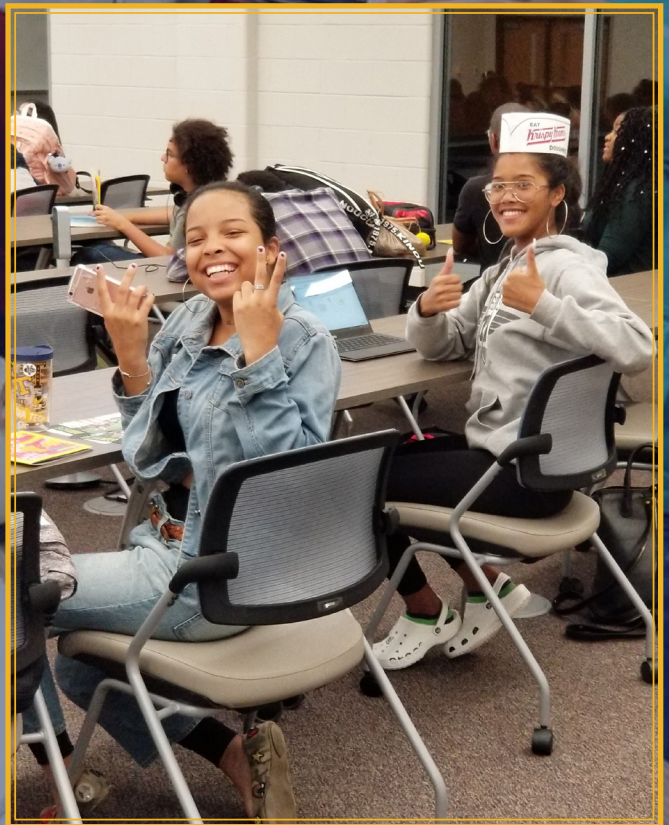
Flex Friday

Students are not required to be on campus on Fridays; instead, lessons are delivered digitally. Using teacher course pages on eCLASS, students can learn content at their own pace and use a variety of tools to demonstrate that learning, and they can do it anywhere with an internet connection.

Many students find they work better at home or at the library where they can take frequent breaks.

Of course, students are welcome to come to school on Fridays and experience a much more flexible schedule. Students begin in 1st period selecting where they want to spend the day. The first three blocks, students can attend tutoring hours from specific teachers or find a quiet place to work on their digital assignments.

Coursework for Fridays alternates, so not every class has a lesson every Friday. Paul Duke STEM utilizes a rotating Gold/Blue schedule.



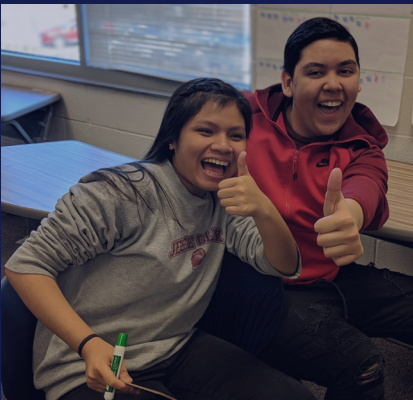
Fourth block, or **STEM BLOCK**

are non-academic courses led by teachers. These courses build community and camaraderie, serve the community or school, or simply provide students a way to explore their interests outside of traditional schooling. Some STEM Block courses include Poetry Out Loud, RaspberryPi Projects, Intramurals, Night at the Improv, & Game Creation.

Extracurriculars

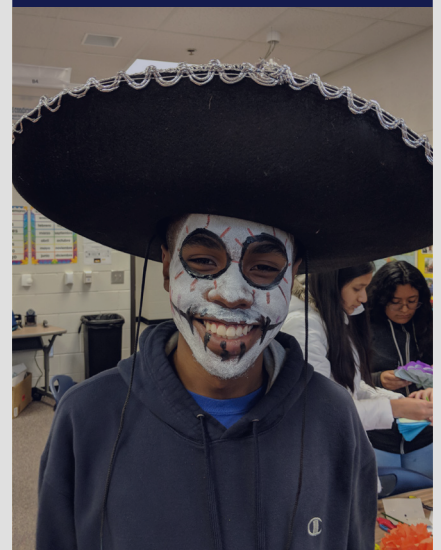
While Paul Duke STEM does not offer competitive sports, you will have plenty of opportunities to be active through student associations, service organizations, clubs, etc. Here is a list of our current club and activity offerings:

Jazz Band
Dance
Orchestra
Art Honors Society
Cyberpatriots
FIRST Robotics
Drone Racing Team
VEX Robotics
DECA
Technology Student Association
FBLA
Yearbook



Student Council
National Honors Society
National English Honors Society
Mu Alpha Theta
Science Fair
Beta
Spanish
French
National Spanish Honors Society
French Honors Society
Model UN
Mock Trial

Rock Climbing
Running
Relay for Life
Recycling
Readers Rally
United Way
Green Team
Chess
Anime
Video Game



Frequently Asked Questions

Will the school have an attendance zone? Yes. Students who live in the Norcross cluster attendance zone can choose to attend either Norcross HS or Paul Duke STEM HS. The addition of a second high school within the Norcross Cluster provided much-needed relief to Norcross HS, the district's largest high school in 2017. Paul Duke STEM HS offers a unique "smaller school" experience not available at Norcross High School.

What is the school's capacity? We anticipate Paul Duke STEM HS growing to its capacity of 1,500 students over the next few years.

What are the school hours? Paul Duke STEM High School classes start at 7:00AM and the school day ends at 1:50PM.

If I am interested in enrolling my child at Paul Duke STEM and my child does not attend Pinckneyville or Summerour, what are my next steps? Once you have made the decision to enroll your child at Paul Duke STEM, you will need to make a registration appointment with a school counselor to begin the enrollment process. For more information or to make an appointment, please call our main office at 470-323-3600, or visit our "Student Registration" site at <https://www.gcpsk12.org/Page/3446>

Will transportation be provided to PDS HS? Transportation to Paul Duke STEM HS will be provided to students who live in the Norcross Cluster. Transportation will be provided Monday through Friday.

Want to learn more?

Follow us on Social Media:



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@Paul_Duke_STEM



@PaulDukeSTEM