



Please fill out the following application and return to the address listed at the end of the application by **March 16, 2026**. Grants will be reviewed and awarded based on factors within this application and available grant funds. Grants are typically awarded in late March or early April and the contact name listed on this application will be notified.

Organization

Address

City State Zip

Contact Name

Requested Funding

Has your organization received past grants from KP-SAME Education and Mentoring Fund?
(If yes, please provide most recent grant amount awarded and any reasons for changes in this year's request.)

Our OCS Middle Schools have not received funding; however, Arvin Education Center's Engineering Academy received \$6999.99 in 2025 to improve their rapid prototyping capability in their maker space. With the funding, they were able to purchase a high-capability 3-D printer that can use different filament materials. Students can now learn rapid prototyping techniques which can be used across all engineering disciplines. This enhances their learning and prepares them for college as well as future careers.

This year, Oldham County Schools is offering interactive labs with Paxton/Patterson Labs to deliver career-focused education in all four middle schools. These interactive labs offer students innovative learning opportunities that spark academic curiosity and encourage them to take an active role in their education. Hands-on learning labs give students the opportunity to discover what excites them, strengthen their skills and talents, and explore career paths they may have never imagined. The classes are offered every trimester and provide an opportunity for our 7th and 8th grade students to start deciding on pathways they want to take in high school, including the Engineering Academy. We are respectfully requesting funding to purchase materials to continue offering these hands-on experiences to our students in the 2026-27 school year and beyond.

We are requesting funds for the Engineering Academy in a separate grant application.

Click or tap here to enter text.

Organization Mission/Goals/Objectives/Purpose

The mission of the Oldham County Educational Foundation (OCEF) is to elevate the educational experience for the students in Oldham County Schools. The Foundation funds projects that are typically outside the regular district budget. For many activities and programs within a school system that need additional financial resources, a fundraising support system is in place. For example, high school bands have Band Boosters. For some other programs within Oldham County Schools, there are no such ongoing fundraising mechanisms outside of the efforts of the Oldham County Educational Foundation.

Starting this school year, Oldham County Schools has partnered with Paxton/Patterson Labs to deliver career-focused education in all four middle schools. These interactive labs put our strategic plan into practice by offering students innovative learning opportunities. Hands-on learning labs give students the opportunity to discover careers and opportunities beyond what they've seen in their own families.

The core labs listed below align with career and technical education opportunities at the Arvin Center and in our comprehensive high schools. Additional specialized labs were selected by school leadership teams based on the interests of their students, with plans to expand offerings over time.

Core Labs:

- Energy and Power Engines
- Computer Aided Drafting & Design
- Biomedical Engineering
- Criminalistics
- Video Production
- Home Maintenance Systems
- Nursing
- Digital Manufacturing
- Design & Marketing
- Structural Engineering
- Robotics
- Alternative Energy

Additional Specialized Labs by School

- Environmental & Power Engines
- Dentistry
- Veterinary Medicine
- Welding Basics
- Sports Medicine
- EMT
- Engineering & Fire Management
- Health Services Careers
- Child Development



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As you can see, many of the modules available are in the engineering and STEM fields, and there is a need to replenish materials. All middle school students have an opportunity to take this class at least one trimester during their middle school career. This exposure will help them in choosing high school career and college pathways. We respectfully request funding for the middle school labs.

Who are your constituents and how many will benefit from your activities? (i.e. 25 high school students, 20 professional engineers, etc.)

Each year, 1800+ middle school students benefit from taking the Paxton/Patterson Labs class. We currently offer the class to 7th and 8th grade students every trimester in all four middle schools. We may expand to 6th grade students as we continue the program.

What is your approximate annual operating budget?

What are your other funding sources? (i.e. private donations, fund raisers, other organizations, grants, etc.)

The 2025-26 budget for the Paxton/Patterson Labs classes is \$440,000.00 which included setting up the initial classroom, as well as supplies and module programs. Funding came from grants, private donations, partnerships, and the district general fund.

How will the funds be used?

Biomedical Engineering: [Amazon.com: Navaris Plaster Cloth Rolls \(M, Pack of 10\) - Gauze Bandages for Body Casts, Plaster of Paris for Craft Projects, Belly Casting Kit Pregnancy - Easy Use Wrap Strips - 4" W x 118" L : Health & Household](#) (22 at \$24.99 per item); [Amazon Basics Petroleum Jelly White Petrolatum Skin Protectant, Moisturizer for Dry Skin Relief, Chapped Lips and Minor Cuts, Unscented, 7.5 oz, 4-Pack \(Previously Solimo\)](#) (18 at \$12.15 per item); [Amazon.com: MUXGOA 20 Pcs Wood Sheets, Unfinished Balsa Wood Sheets for Crafts DIY Thin Woodsheet for Wooden DIY Ornaments, Scrabble Tiles, House Aircraft Ship Boat, School Projects\(150x100x2mm\)](#) (3 at \$11.99 per item); [Amazon.com: 16Gauge Black Aluminum Crafts Wire 154FT, for Jewelry Crafting, Gemstone Metal Coiling, Sculpting, Armature, Jewelry Making Beading Floral Soft DIY Metal Craft Art Wires Colored and Soft](#) (3 at \$12.99); [Amazon.com: Pudo Epoxy Resin Kit 1.1Gallon, Newly Formulated Crystal Clear Epoxy Resin, Strong, Bubble-Free, Anti-Yellowing Art Resin That, Suitable for Casting, DIY, Resin Art, Molds, Easy to Mix 1:1 Ratio](#) (1 at \$48.99); [Carbon Fiber 8 pack](#) (9 at \$16.99 per item); [Box of Disposable Gloves](#) (6 at \$29.99 per item); [Electrode tabs](#) (1 at \$29.89); [Amazon.com: Dealmed Professional 3 oz. Disposable Plastic Cups - 100% Recyclable for Healthcare, Dental, Veterinary & Food Service Use \(Pack of 100\)](#) (2 at \$6.99 per item); [Glue Sticks for Gun](#) (2 at \$16.99 per item); [Popsicle Sticks 200pk](#) (4 at \$4.99); [Balsa Sheet, 1/4"x3"x18"](#) (1 at \$27.50); [Bondo Mixing Board, 12" x 12"](#) (2 at \$9.40 per item)

Structural Engineering: [Rubber Bands](#) (6 at \$4.40 per item); [Amazon.com: Paper Clips: Office Products](#) (2 at \$6.50 per item); [Steel Pins](#) (3 at \$5.69 per item); [Wax Paper Sheets](#) (3 at \$29.97 per item); [MUXGOA 20 Pack Basswood Sheets, Thin Wood Sheets for Craft, Laser, Wood Burning, Wooden DIY Ornaments, Can be Cut & Painted to Desired Shape\(150x100x2mm\)](#) (12 at \$9.99 per item); [1/8" x 1/8" Balsa Wood](#) (22 at \$6.99 per item); [Balsa Wood 1/8x1/4](#) (22 at \$14.40 per item); [Midwest Easy Cutter](#) (3 at \$31.50 per item); [Balsa wood 1/8 X1/2](#)(40 at \$12.00 per item); [Amazon.com: Painters Tape](#) (9 at \$6.29 per item); [Amazon.com: Box Cutter](#) (1 at \$9.99); [Miter Shears for Trim and Molding – Adjustable Angle Cutter 45°–135°, Hand Tool for Soft Wood, Quarter Round, PVC, Rubber, Popsicle Sticks, Decorative Edges](#) (3 at \$15.99 per item); [Truss Prototype Worksheets, Pad/50](#) (1 at \$4.50 per item); [Generic Color Ball Pins, 1-1/4", pk/90](#) (5 at \$4.45 per item); [Bridge Design Worksheets, Pad/50](#) (1 at \$4.95 per item); [Elmer's Glue All, 7.6 oz](#) (4 at \$7.50 per item); https://www.amazon.com/Brushes-Disposable-Applicators-Lipstick-Multifunctional/dp/B0CKHRZDM3/ref=sr_1_11?crd=2XGU5JP892CYF&dib=eyJ2ljoMSJ9.ACKG1qsoxuiXAQcrFihRA4vPknueBScK1og6GC0BvF10zvZMOtn-I5qp6A5bMH05267TY7WzIIQrfHfqvOEeyshzF1F-8KFQ7-yTZZ9VRg3xZYV4rso3US-EvVEQMQtOIBHmJX-EQCvEESrdyFCewm_jd7tPZF1vJtqoXShN-j-DVGcXG2hDIWP-WEzjLYODrzXiredjFgxKGfY1OhUaQrtxigXmdD6jaKviifimsYS0w9oZ_LYpHMS1oubUJPLZOyxiYDZFuyPyZVTrCoBinjK3ny5I7FEV-oTobkm1SYA.22Tp0xa3mxW63WW2DVA3irauEi0LFrMm4alpr_Xo-Tc&dib_tag=se&keywords=single+use+Brush&qid=1773074862&srefix=single+usebrush%2Caps%2C228&sr=8-11 (2 at \$9.99 per item)

Welding: [Felt Sheets](#) (9 at \$6.88 per item); [100 Foam Sheets](#) (3 at \$14.96 per item); [Amazon.com: AdTech Hot Glue Sticks 10" Full Size, Clear, 85 Sticks](#) (3 at \$18.18 per item)

Digital Manufacturing: [PLA Bundle 8 colors](#) (6 at \$54.99 per item); [Dremel Build Sheets](#) (4 at \$24.95 per item); [3D Printing Tool Kit](#) (2 at \$21.99); [Elmer's Glue Sticks for Print Adhesion](#) (1 at \$9.99); [Putty Knives](#) (1 at \$8.98); [Dremel 3D Printer Filament, Purple Orchid](#) (1 at \$41.25); [Dremel 3D Printer Filament, Grass Green](#) (1 at \$41.25)

Alternative Energy: <https://www.vernier.com/product/advanced-wind-experiment-kit-nacelle/?wcpbc-manual->



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Are you a non-profit organization?

When are the funds needed and/or scheduled to be used?

Ideally, we would appreciate the funds by July 1, 2026, so we can purchase during the summer and have everything ready for students in August 2026 in time for the start of the 2026-27 school year.

How will your activities promote KP-SAME and its missions?

SAME Mission: *The mission of the Society of American Military Engineers is to promote and facilitate engineering support for national security by developing and enhancing relationships and competencies among uniformed services, public and private sector engineers, and related professionals.*

KP-SAME Education and Mentoring Fund Purpose: *The Kentuckiana Post Education and Mentoring Fund was established to promote and enhance engineering education at all levels from grade school through professional development.*

Our middle school Paxton/Patterson Labs are designed to inspire curiosity and for students to discover future high school pathways, college, and careers. We would love to have KP SAME members come talk to our students, as well as to volunteer in our labs and work with our students. We are excited to see "lightbulb moments" go off for our students while they are in class. As one student shared, "When I first came in here, I was scared because I didn't know what to expect but once I got into the flow of it, I loved it," said Liam Thacker, NOMS 8th grade student. "My favorite is engineering energy. When I got that first pinch of information, it was like a spark to my mind ignited, 'oh yeah, I really like this.' The excitement of being here and getting new modules is awesome."

Please submit a completed copy of this application before **March 16, 2026**. Applications can be submitted via e-mail to tmarconi@heritageeng.com or hardcopy to the address below. Any questions regarding this application or the KP-SAME Education and Mentoring Fund can be directed to Tony Marconi at tmarconi@heritageeng.com.

Application Submittal Address:

Tony Marconi, KP-SAME Education and Mentoring Fund Chairman
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502-939-8885