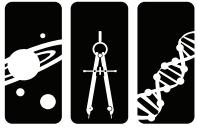


Presented by



LINDA HALL LIBRARY
SCIENCE • ENGINEERING • TECHNOLOGY

KANSAS CITY

iNVENTiON CONVENTiON

2024 REPORT



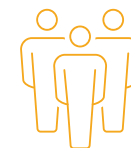
"The Kansas City Invention Convention is not just a curriculum; it bridges the gap between theory and practice while providing a foundation for students to shape the future. KCIC offers real-world learning opportunities through unparalleled access to knowledge and resources that empower lifelong curiosity and growth."

- Eric Dorfman, PhD, President, Linda Hall Library

Dear Sponsors and Community Partners,

We would like to extend our deepest gratitude for your generous support of the Kansas City Invention Convention (KCIC). Your commitment and contributions were instrumental in making KCIC a success and fostering a community for the next generation of leaders, entrepreneurs, and innovators who are imagining new solutions to every day challenges.

Here is a glimpse of the impact KCIC has on the greater Kansas City community:



Over 2,000 students have used KCIC's curriculum since it's launch



KCIC 2024 saw 290 inventors presenting 143 inventions



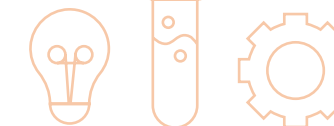
\$40,000 in prizes and scholarships awarded at KCIC 2024

We look forward to continuing these collaborative efforts to uplift the Kansas City STEM ecosystem and education. Thank you again for your invaluable support in making this opportunity possible for our region's young innovators!

With gratitude,

KAYLEE PEILE

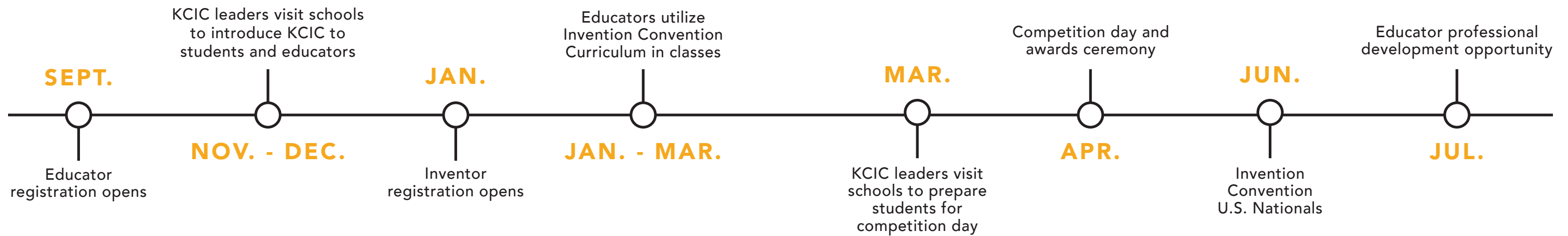
Director of Development, Linda Hall Library



WHAT IS KCIC

The Kansas City Invention Convention (KCIC) is a STEMIE (STEM + Invention + Entrepreneurship) competition and outreach program presented by the Linda Hall Library that supports 17 counties and 31 school districts throughout the Kansas City metro area. KCIC teaches problem-solving and creativity to students in grades 5-12, while providing educators with a project-based curriculum to inspire the innovators of tomorrow.

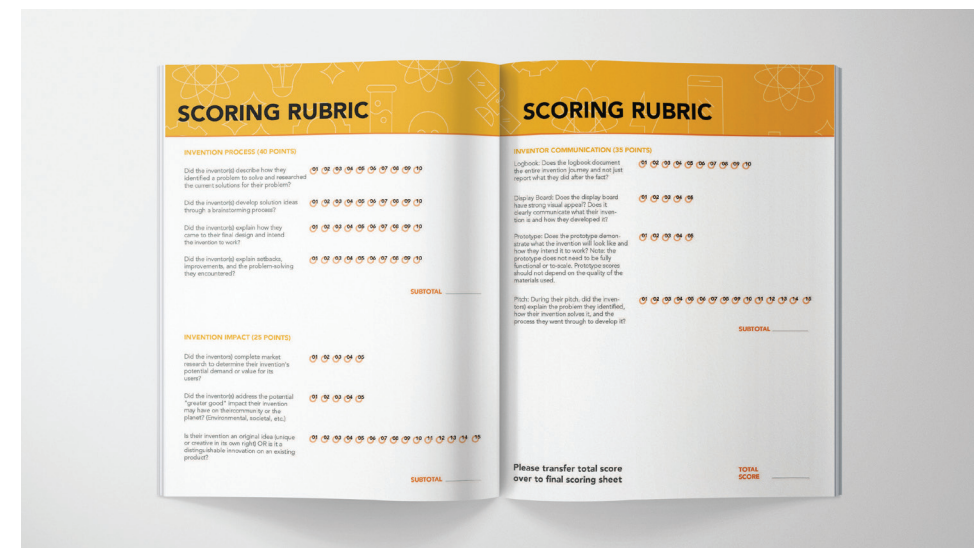
Students competing at KCIC are required to document their invention process in an inventor log, develop a prototype, design a display board, and make a four-minute pitch explaining the story of their invention to a group of judges, made up of STEM professionals, who will evaluate the students using an Invention Convention Worldwide approved scoring rubric.



“*Inventors use science, engineering, and technology to transform society. KCIC provides a vital platform where educators and working STEM professionals nurture, challenge, and inspire the next generation of innovation.*”

MATT REEVES

PhD, Public Program Manager, Linda Hall Library



PARTICIPATION

2024 WAS A RECORD-BREAKING YEAR FOR KCIC WITH A 25% INCREASE IN STUDENT PARTICIPATION AND INVENTIONS!



290
STUDENTS





143
INVENTIONS



“ At KCIC, these young scholars put in all this hard work, and then they get to present that work to a professional in the STEM field and talk about their process. It’s an opportunity they don’t get anywhere else. ”

MARY MONTAG
Educator, St. Teresa’s Academy

DIGITAL REACH

IMPRESSIONS	TOTAL ENGAGEMENTS	WEBSITE VIEWS	FOLLOWERS
 439% INCREASE	 211% INCREASE	 95% INCREASE	 86% INCREASE

CONNECT WITH US ON:

 kcinvent.org

 Kansas City Invention Convention - KCIC

 @kcinvent

 Kansas City Invention Convention (KCIC)

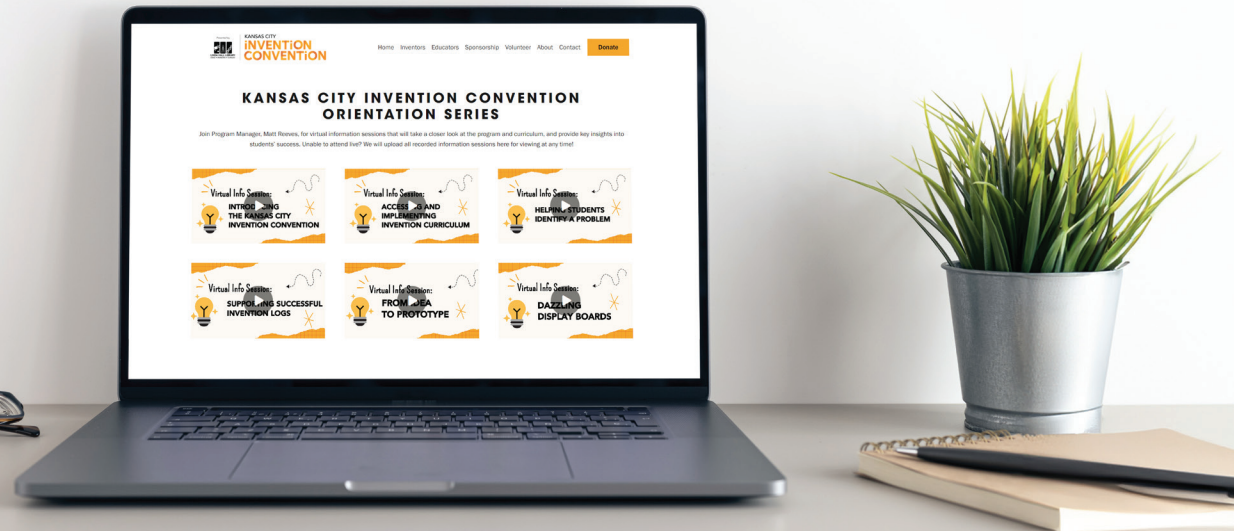
 @kcinvent

“ It’s inspiring to see other people’s inventions. I’ve always wanted to be an entrepreneur and KCIC is a great start for me. ”

RYAN M
Student, Blue Valley CAPS



RESOURCES



KCIC educators are provided access to not only the free invention curriculum, activities, and lesson plans but also the opportunity to receive hands-on support from the KCIC team including in-classroom experiences and competition preparation, access to in-depth program orientation videos, transportation, and customizable group visits and presentations at the Linda Hall Library.

**IN-CLASSROOM
SUPPORT
PROVIDED
TO OVER 275
STUDENTS.**



Over **150** students from St. Teresa's Academy visited the Linda Hall Library for a KCIC Kick-Off Event led by the Library Reference Team. The event highlighted Library programming, exhibitions, collections, and resources, including a tutorial on the USPTO patent database and a periodical presentation featuring over 100 years of inventions in popular science.



Access and Equity

KCIC strives to build a diverse pipeline for future STEM professionals by bringing resources to all students and classrooms across the metro, regardless of background or access. By removing barriers to transportation and supplies, we provide a more equitable opportunity for high-quality STEM education, access to competition day, and invaluable networking opportunities with STEM professionals and other students. Together with the generous support of our sponsors, we can create lasting change by empowering students with the tools they need to succeed in STEM and, ultimately, contribute to the innovation and advancement of our communities.



**THANK YOU TO THE
EWING MARION KAUFFMAN
FOUNDATION FOR
SPONSORING STUDENT
TRANSPORTATION FOR KCIC!**



WINNERS BY GRADE

5th & 6th Grades

1ST PLACE

Lola Bluhm
Invention: ReWrap
School: Better Together Academy

2ND PLACE

Katherine Massoth
Invention: PIQUE
School: John Paul II Catholic School

3RD PLACE

Clara Juang, Kenley Lumbard, Brynn Robson
Invention: Rapid Protect Toothpaste
School: Curé of Ars Catholic School / St. Paul's Episcopal Day School / Briarwood Elementary School

7th & 8th Grades

1ST PLACE

Anna Alexander & Brady Alexander
Invention: The Gluten Revealer 2.0
School: Northland Innovation Center

2ND PLACE

Cameron Bristow, John Grabs, Emmanuel Grabs
Invention: Weed Eating Drone
School: John Paul II Catholic School

3RD PLACE

Austin Hubler
Invention: Teachtrests
School: Northland Innovation Center

9th & 10th Grades

1ST PLACE

Lillianne Benben & Erin Berg
Invention: EcoMotion
School: St. Teresa's Academy

2ND PLACE

Jane Dunn, Maryryan O'sullivan, Cecilia Stanislav
Invention: Aroma Desks
School: St. Teresa's Academy

3RD PLACE

Emma Crall, Channing Moss, Lily Remer
Invention: LOCKED
School: St. Teresa's Academy

11th & 12th Grades

1ST PLACE

Chase Ryckman
Invention: SkySafe Signal
School: Blue Valley Center for Advanced Professional Studies

2ND PLACE

Kenneth Woods
Invention: Cool Grove Angler's Arsenal
School: Blue Valley Center for Advanced Professional Studies

3RD PLACE

Ross Tretiak
Invention: ReCharge
School: Blue Valley Center for Advanced Professional Studies



WINNERS - SPECIAL CATEGORIES

Future Shaper – Presented by KCNSC

AK Housley, Kalvary Riley, Lillian Stecklein
 Invention: The Polluted Brick
 School: St. Teresa’s Academy



Most Patentable – Presented by KCNSC

Basan Emenov
 Invention: Soleflex
 School: Blue Valley Center for Advanced Professional Studies



Early Innovator – Presented by KCNSC

Will Hennenfent
 Invention: NGST (Next Gen Scanning Technology)
 School: Northland Innovation Center



Convention’s Choice

Polly Fendler, Clare Kelly, Addison Moylan
 Invention: The Sole Shoe
 School: St. Teresa’s Academy

Best in Show

Chase Ryckman
 Invention: SkySafe Signals
 School: Blue Valley Center for Advanced Professional Studies

Educator Appreciation Award

Rhonda Lefferd
 School: Shawnee Heights USD 450
 Mary Montag
 School: St. Teresa’s Academy



THANK YOU TO DAN TOUGHEY AND THE T-SERVE FOUNDATION FOR SPONSORING THE KCIC AWARDS CEREMONY!

“
 KCIC creates an energy and focus on STEM, and you can see just how important that is.
 ”

DAN TOUGHEY
 T-Serve Foundation



NATIONALS



In June 2024, **six** students traveled to the Henry Ford Museum in Dearborn, Michigan, to represent Kansas City at the Raytheon Technologies Invention Convention U.S. Nationals. At Nationals, students presented their inventions to a panel of expert judges, engaged with students from across the country, and participated in immersive educational experiences.

WOULD YOU LIKE TO SPONSOR A STUDENT'S JOURNEY TO NATIONALS? CONTACT KAYLEE PEILE AT

PEILEK@LINDAHALL.ORG



INNOVATION ALLEY

On competition day students, educators, and guests can explore **Innovation Alley**, a dedicated space for uplifting STEM initiatives featuring KCIC community partner organizations.

Thank you to all the community partners that participated in KCIC 2024.



“ You can feel the synergy and inquisitive nature as everyone is looking to tinker with things to find solutions to challenges. There is a multitude of challenges out there, and everyone has a unique way of finding solutions. ”

ETHAN DUKE

Missouri River Bird Observatory



THANK YOU TO **FORVIS** FOR SPONSORING INNOVATION ALLEY!



EDUCATORS

Thank you to all the educators who utilized the KCIC curriculum in 2024 and helped inspire the innovators of tomorrow!

Amy Starr	Adventure Learning Club
Elizabeth Bluhm	Better Together Academy
Michael Farmer	Blue Valley Center for Advanced Professional Studies (CAPS)
Alique Ramsey	Boys & Girls Club
Laura Ehler	Broken Chain Academy
Kristina Cook	Cook Academy
Tiffany Finn	Finn Academy
Kezia Bohanon	Gateway 6th Grade
Venkat Bhadriraju	Homeschool
Diana Boley	Homeschool
Kelly Franklin	Homeschool
Pingle Jacob	Homeschool
Ponnarasi Kothandaraman	Homeschool
Linda Johnson	Independent Educator
Betsy Lawrence	Indian Trail Middle School
Tara Micham	J.C. Harmon High School
Peggy Kelly	John Paul II Catholic School
Fazila Patel	Kansas City Academy
Shaban Scott	Kansas City Public Schools Manual Career and Technical Center
Christine Foster	KIPP Endeavor Academy
Samantha Bungart	Linden West Elementary
Sally Spieckermann	Linden West Elementary
Conner Magee	Maple Park Middle School

Karen Heinz	Nativity of Mary Parish
Maeve Audra	Nativity Parish School
Tung Ruckel	Northland Innovation Center
Chrissy Russell	Prairie Ridge Elementary Gifted
Melissa Eker	Prairie Trail Middle School
Kaleb Sauer	Robert E Clark Middle School
Katie Bland	Rockhurst High School
Steven Meier	Silver Lake Schools
Imani Malaika-Mehta	SOTV/KC International Academy
Maureen Tavernaro	St. Agnes Catholic School
Kelly Van Maren	St. Paul's Episcopal Day School
Renee Blake	St. Teresa's Academy
Mary Montag	St. Teresa's Academy
Sarah Stranz	St. Teresa's Academy
DiAnna Saffold	The Village KC Youth Programs
Elizabeth Harris	Truman Middle School



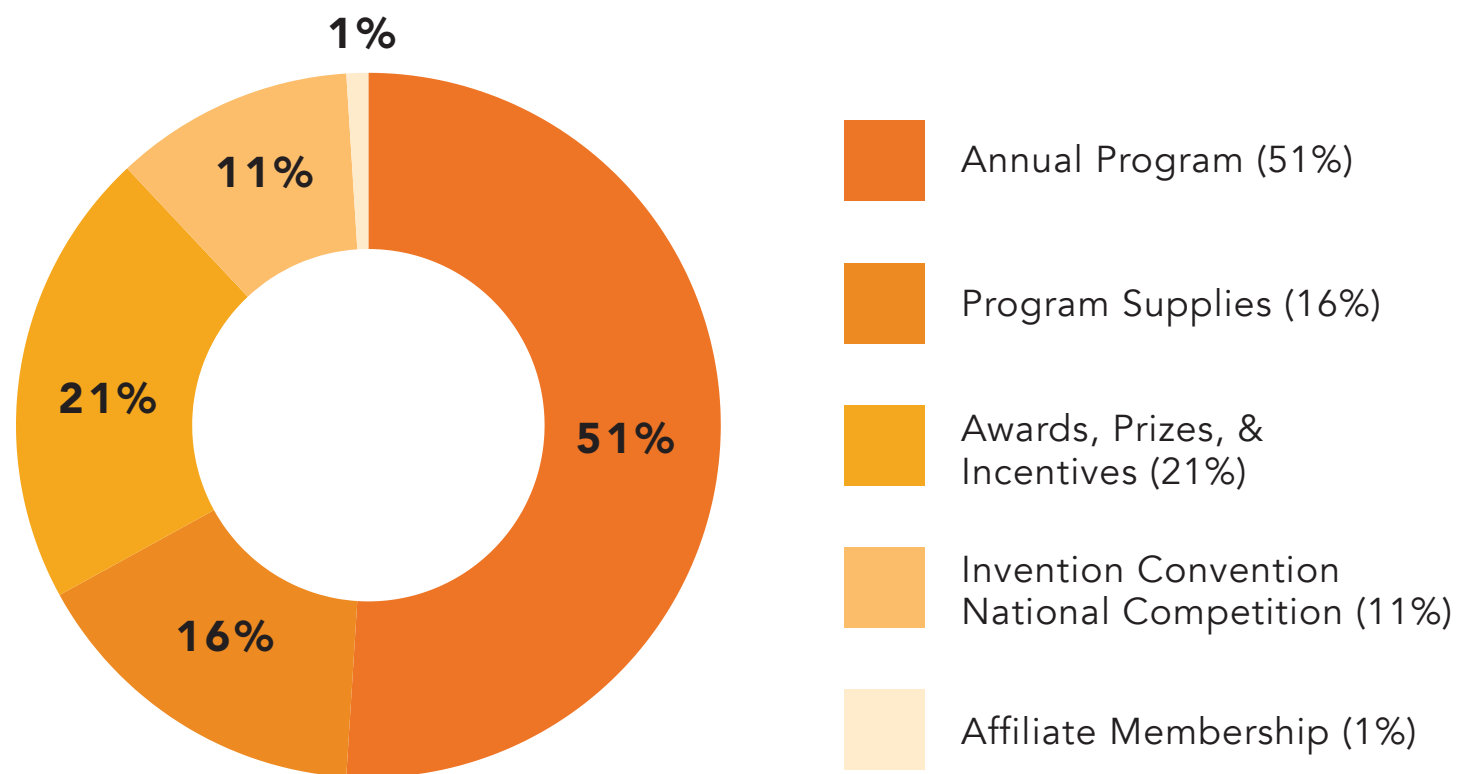
“ Programs like this are what bring together everything from a whole perspective. You have research, problem-solving, critical thinking, public speaking, and art while also practicing professionalism and communication skills. KCIC really covers the full spectrum. ”

ELIZABETH BLUHM

Educator, Better Together Academy

FINANCIALS

KCIC is entirely funded by the generous support of our partners and community. Thank you for making this work possible.



SPONSORSHIP OPPORTUNITIES

Becoming a sponsor of KCIC is a powerful way to make an impactful and lasting difference in the region's youth and STEM ecosystem. Many sponsorship options, including customized sponsorship packages, are available, with all including brand recognition and judging opportunities on competition day.

Year-round Sponsorship Opportunities

Professional development educator workshops: \$12,000

Summer school & after-school student workshops: \$15,000

In-classroom support (including hands-on classroom visits by the KCIC team, invention activities, competition preparation, and invention supplies): \$4,000

Class visits to Linda Hall Library (including transportation to the Library, invention activities, and competition preparation): \$6,500

Competition Day and Awards Ceremony Sponsorship Opportunities

Event production: \$30,000

Hospitality for judges, volunteers, and students: \$18,500

Transportation for students and educators: \$2,750

Event supplies: \$8,000

Student awards: \$7,500

Nationals Competition Sponsorship Opportunity

Includes travel, accommodations, meals, and entrance fees: \$27,000

\$40,000

IN CASH PRIZES AND AWARDS!

DONATE NOW



INTERESTED IN CUSTOMIZED SPONSORSHIP OPPORTUNITIES? CONTACT KAYLEE PEILE AT PEILEK@LINDAHALL.ORG



THANK YOU TO ALL OF OUR GENEROUS SPONSORS THAT MAKE KCIC POSSIBLE!



THANK YOU KCNSC!

KCIC and the Linda Hall Library extend their greatest appreciation to title sponsor, **Kansas City National Security Campus managed by Honeywell FM&T**, for their generous support. Your partnership is instrumental in making this event a success!

OVER 85 KCNSC EMPLOYEES VOLUNTEERED THEIR TIME AT KCIC AS JUDGES AND AMBASSADORS!



“Solving problems and innovation is one of the engines that drive this country, and having a creative space for that is important for our community and our country.”

JOHN JUNGK

PhD, Chief Technology Officer, KNSCS managed by Honeywell FM&T

JUDGES

Thank you to all the judges who dedicated their time and provided valuable feedback to the students at KCIC! We greatly appreciate your support of the local STEM community and the inspiration you brought to the young inventors.

Abby Heider	AirFixture, LLC
Jesse McDermott	AirFixture, LLC
Caleb Price	AirFixture, LLC
Omar Molina	Association of Hispanic Latinx and Minorities in Kansas city
Jeremy Knoll	BNIM
Lee Gruss	Brown Family Foundation - Kansas City
Jo Weller	Brown Family Foundation - Kansas City
Josue Najera	BRR
Bry Simmons	BRR
Emma Blankenship	Catalyst Development
Jenna Scott	Catalyst development
Deana Werkowitch	Crestwood Midstream Partners
Savannah Otto	Crux KC
Jillian Wenburg	Crux KC
Alan Balster	Dimensional Innovations
Jo Kamm	Dimensional Innovations
Stephan Olson	Dimensional Innovations
John Raridon	Dimensional Innovations
Jack Wirtz	Dimensional Innovations
Heather Jones	Garmin International
Becca Castro	EDCKC / LaunchKC
Natalee Wilhite	Finotta
Gary Pratt	Hallmark
Elizabeth Witsken	Hollis + Miller Architects
George Knipp	Hollis + Miller Architects
Ghadeer Garcia	idealect

Daniel Kennedy	KC Biohub
William Burke	KCNSC Managed by Honeywell FM&T
Lyle Cain	KCNSC Managed by Honeywell FM&T
Derik Clayton	KCNSC Managed by Honeywell FM&T
Jillian Drake	KCNSC Managed by Honeywell FM&T
Brent Greene	KCNSC Managed by Honeywell FM&T
Jessica Hall	KCNSC Managed by Honeywell FM&T
John Jungk	KCNSC Managed by Honeywell FM&T
Amaan Lakhani	KCNSC Managed by Honeywell FM&T
Luke Lewandowski	KCNSC Managed by Honeywell FM&T
Lucas Mann	KCNSC Managed by Honeywell FM&T
Ian McCabe	KCNSC Managed by Honeywell FM&T
Alexa Moreno	KCNSC Managed by Honeywell FM&T
Kyle Shipps	KCNSC Managed by Honeywell FM&T
Marshon Stephenson	KCNSC Managed by Honeywell FM&T
Matt Waegelein	KCNSC Managed by Honeywell FM&T
Kevin McGinnis	Keystone Community Corporation
Scott Barton	K-State Interior Architecture & Industrial Design

Jeff Radel	KU Medical Center
Jenny Uebelhor	Labcorp
Tina Moore	Lamar Johnson Collaborative
Cynthia Fails	LaunchCrate Publishing
David Chitwood	MBB Agency
Jess Rezac	MBB Agency
Sean Fleming	MINDDRIVE
Evan Durnal	MRIGlobal
Kaylee Mathiason	MRIGlobal
Harriet Grindel	Multistudio
David Reid	Multistudio
Stacy Roth	Multistudio
Tom Radocy	Museum at Prairiefire
Sheila Burroughs	Nabholz
Nicole Dobronski	National WWI Museum and Memorial
Jashin Lin	National WWI Museum and Memorial
Haley Sheriff	National WWI Museum and Memorial

John Golden	Olsson
Kyle Dumler	Oracle
Dan Chitwood	Orazem & Scalora Engineering
Will Vorngsam	Riverside Transport Inc.
Adrienne DeWeese	Rockhurst High School
Jeff Little	Saint Luke's Hospital
DJ Yuhn	Samsara
Rhonda Lefferd	Shawnee Heights School District
Clare Holahan	Spotlight
Rick Nash	Spotlight
Dan Toughey	T-Serve Foundation
Mark Cordes	UMB Financial Corporation
Davlon Miller	UMKC Career Services
Alexis Petri	University of Missouri-Kansas City
Claude Hawkins	WeCodeKC
Shannon Cole	Zahner
Lorraine Hoffower	Community Volunteer
David Kasper	Community Volunteer
Mike Luby	Community Volunteer



