

King George Education Foundation

2022 Annual Report

*Uniting the community to
enhance public education.*

*This report covers the period
1 July 2021 to 30 June 2022*





Overview

The King George Education Foundation (KGEF) received **\$25,180** in monetary donations and a multitude of material in-kind donations for the fiscal year spanning July 1, 2021 to June 30, 2022.

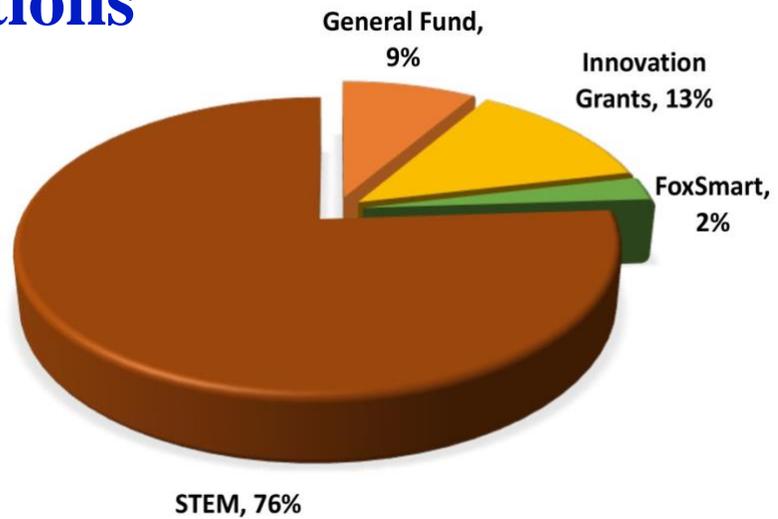
The STEM Program provided ~**\$11,280** in classroom equipment and sponsored **6 Camp Invention** Scholarships, and **2 Space Camp** Scholarships

KGEF awarded **5 Innovation Grants** totaling **\$2354** to teachers and staff of King George County Schools.

The FoxSmart Center fulfilled **171 requests** serving all **5 KG schools** as well as the **KG County Pre-School**.

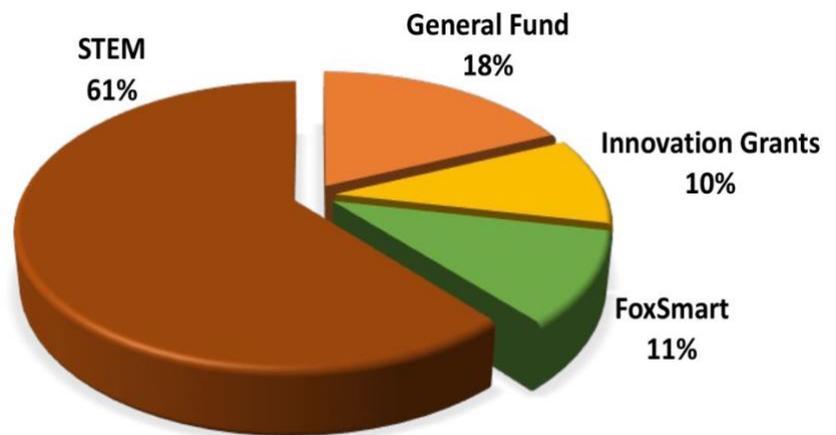
Monetary Donations

The King George Education Foundation Received **\$25,180** in monetary and in-kind donations from local businesses, individuals, and community groups. The graphic shows the allocation of those gifts to specific programs, as designated by the donors.



Spending by Program

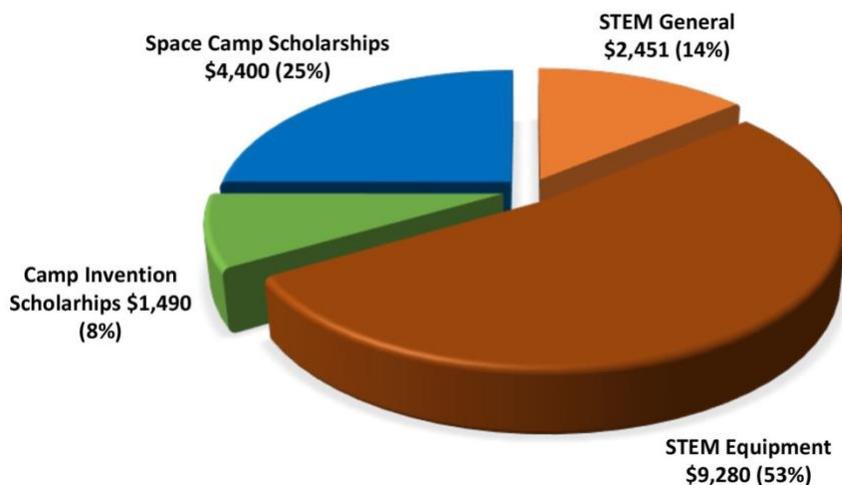
Expenditures for the fiscal year totaled ~**\$23,650** with the distribution shown in the graphic. It should be noted that there were carryover funds, from last year, available to support the general fund and FoxSmart expenditures and there were some STEM donations late in the year that will be applied to next year's equipment purchases.



STEM Donations

In total, we raised ~\$17,620 for STEM this fiscal year.

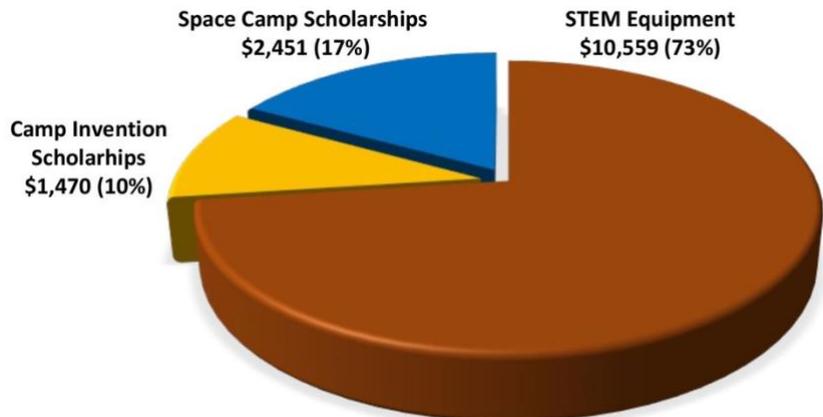
The graphic on the right shows how those donations were designated for specific STEM initiatives. Donations that were received without a specific designation under STEM, are categorized as STEM General in this graphic. These funds were used for STEM equipment as shown below.



STEM Expenditures

We spent ~\$14,480 on STEM initiatives this fiscal year. The graphic on the right shows how those expenditures were distributed across the specific STEM initiatives. The costs for Space Camp scholarships came in less than planned because air travel was not used. Those funds were carried into the next fiscal year for and applied to summer

2023 Space Camp scholarships, which will be awarded in the fall of 2022. In addition, the purchase of STEM equipment lagged a little behind the accretion of donations so those funds will also be carried over to purchase STEM equipment in the fall of 2022.



Innovation Grants

Innovation Grants are awarded to school division staff who present promising ideas for achieving the district's curricular goals, enhancing students' personal development, and/or encouraging links with the community. Here's a summary of this year's innovation grant investments.



Cooking for the Future

This grant provided funding for cooking supplies for the newly developed Life Skills Program at King George Elementary School, which serves our neurodiverse community members, including students with Autism, so that each participant can gain independence and confidence in their abilities. Following the path forged by the Cooking Autism Organization, this program uses the food preparation process to help low-incidence students develop a multitude of skills including communication, fine & gross motor skills and social skills. This program's teachings are something that the students will be able use for the rest of their lives.

*Ms. Sarah Beth Rodrigues & Ms. Skyla Slempp
King George Elementary School*



Let it Go, Let it Grow-2

This grant provided funding for a second year of supplies for indoor and outdoor green spaces where any student or staff from Sealston Elementary could enjoy the sensory experience of living plants. Students with and without special needs in grades K-3 assisted with the planting, growing, harvesting, and decomposition, back to soil, process of plants. They started and maintained a worm farm that turns soil and vegetation debris into nutritious soil. A tower garden in the front lobby was used by students to plant spider plants, which they learned are one of the top indoor air cleaners and are very healthy to have in buildings and at home. A raised garden was created and students created a garden from seeds.

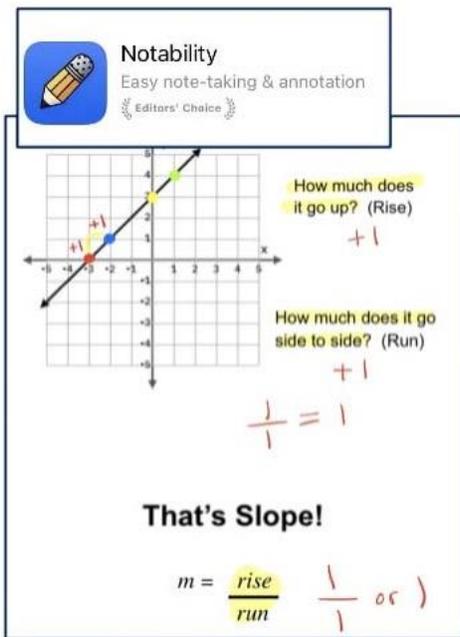
*Ms. Amber Douberly and the Special Education Team
Sealston Elementary School*



An Apple Today, STEM Leaders Tomorrow

This grant provided funding to purchase an Apple iPad, screen protector, iPad case as well as an iTunes card. These tools allowed students to explore numerous STEM related activities / apps including greenscreen technologies, where they will be able to research and develop their knowledge in the field of greenscreen effects using apps like DoInk. Students also learned how to create gaming projects using the Bloxel app that is not available on the school provided Chromebooks. In addition, students also were able to engage with Dash and Dot Robots using a variety of apps available for them on the iPad.

*Ms. Yvonne Richard
King George Elementary School*



Innovating iOS Technology for Differentiation in Collaborative Math Settings

This project is designed to support specially designed instruction in inclusive classrooms by using grant money to purchase an iPad and Apple Pen. iOS technology will be used to incorporate new applications and engage students with efficient instruction and high-quality visuals in collaborative math settings. iOS applications, such as Notability, will allow adaptations of VDOE Mathematics resources along with evidence-based instructional strategies in order to enhance learning outcomes for all students. This collaborative approach will provide our students with the highest quality education. By enhancing faculty collaboration and new learning technologies, our students will develop the knowledge and skills necessary to become active participants in society and face the challenges of the future.

*Ms. Andrea LaRoche, Ms. Paige Burke
& Ms. Amber Smith
King George Middle School*



The Music Video Project

This grant provided funding to purchase a small drone equipped with a camera that could provide aerial video recordings of community service organizations, students, as well as teachers and staff, which could be used to create an integrated video in a very creative and collaborative way. All middle school chorus students took part in making the video, learning how to use this technology, which is something brand new that has never been done before in our district. The final video product conveyed a very special *“Thank You”* message to all the people who never stop working hard and supporting our community, with special thanks to the KG Sheriff’s Office, the KG Fire Department, the KG School Board, KG school administration as well as all the teachers, bus drivers & all the staff, for everything they did to help the students during the COVID pandemic.



Ms. Sierra Huber, King George Middle School



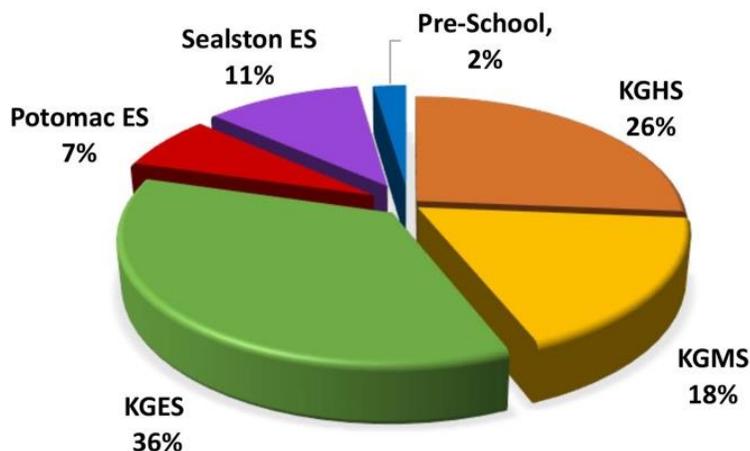
FoxSmart Center

FoxSmart is a resource center, whose primary mission is to provide school supplies and limited hygiene items to **students in need** as determined by the school counselors/social workers.

For teachers, we offer some limited support to purchase school supplies the teachers would otherwise pay for out of their own pocket, but only after school resources have been exhausted.

In addition, **special purchases** are made based on special needs, projects or unforeseen circumstances. For example, this year and last we supported special needs that arose due to **COVID-19** school directives, masking & sanitizing requirements.

The graphic below shows the distribution of FoxSmart requests across the KG schools, during the 2021-22 school year, and the table on the following page recognizes the major donors for material supplies (in-kind donations).



FoxSmart uses a web form that allows teachers and staff to request supplies online. All requests for student needs are validated by the school counselors and then entered into the online system using this web. This ensures that only students with a true need get the supplies.

In August, each year KGEF creates welcome gift bags for new teachers and presents them at the annual back-to-school event. In August 2021, FoxSmart provided **61 gift bags** containing valuable **coupons** and **gifts** from **11 local vendors**

This year, FoxSmart fulfilled **171 requests** serving all **5 KG schools** as well as the **KG County Pre-School**. FoxSmart also supported community education programs run by the King George YMCA, the Sherriff's DARE & Crime Prevention Student programs, the Smoot Library and KG Parks & Recreation.

When supplies ran low, more were purchased using designated funds or were provided by community angels and partners who regularly support our mission. The majority of FoxSmart's donations come in the form of material donations of supplies, but monetary donations are also very much appreciated.

**FoxSmart's Major
In-Kind Donors 2021-2022 (Material Supplies)**

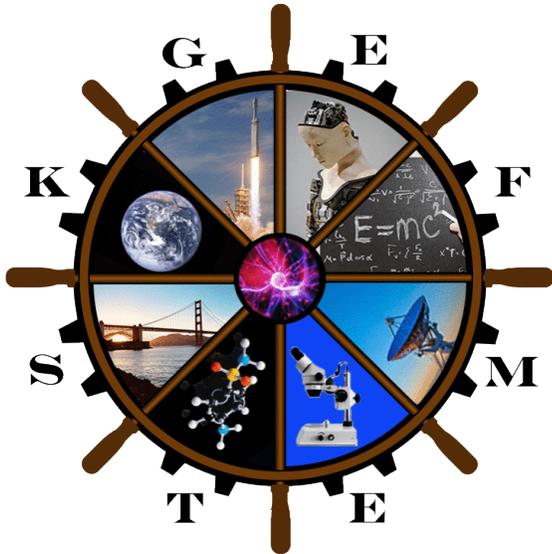
	Donor	Item(s)
Organizations (7)	Access Eye (Michelle Mansouri)	2 Truck Loads of Back Packs filled w/ School Supplies
	KG Middle School	Excess School Supplies
	Love Thy Neighbor	Hygiene Products
	National Pan Hellenic Council of Greater Fredericksburg	School Supplies
	Topside FCU (Krista Kyte)	Supply Tote Bags
	Two Rivers Baptist Church	School Supplies
	Walmart (Kendra Pearson)	4 Pallets of School Supply Inventory
Individuals (6)	Christina Burroughs	In-Voice County Magazine Article
	Patrick Cady	Snacks for Kindness Club
	Carol Minter	Snacks for Kindness Club
	Carol Rollins	School Supplies (hard to find & special orders) FoxSmart Shopper of the Year!
	Carol Sondrini	School Supplies
	Shari Truslow	Hygiene items for Pre-School

Looking Ahead

The KG Education Foundation will continue partnering with local schools to meet the demand in supplies for students in need and any changes resulting from the continuously adapting COVID-19 virus for the 2022-23 school year.

STEM Program

The KGEF STEM Program contains three initiatives designed to augment, enhance, and expand the King George County School (KGCS) system's education programs in science, technology, engineering, and math (STEM):



(1) Fund raising to purchase **STEM equipment**, tools and supplies for the KGCS classrooms at all levels, K-12.

(2) Fund raising to support STEM after-school programs, local STEM summer camps, and scholarships to advanced STEM camps like **Space Camp** and **Camp Invention**.

(3) Leveraging the STEM programs of national professional societies like the American Society of Mechanical Engineers, to bring **real-life experiences & career professionals** in STEM into the class room.

We continue to work collaboratively with the STEM teachers at all levels in KGCS, to identify their needs, develop innovative solutions and seek new opportunities to enrich the STEM educational experience for all KG students.

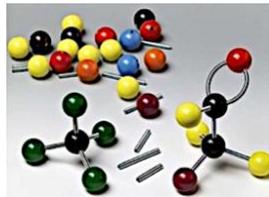
Elementary School STEM Wish Lists													
Focus Areas	Grade Level	Item ID#	Item with Link	Cost Per Item	PES			KGES			SES		
					Qty	Cost	Priority	Qty	Cost	Priority	Qty	Cost	Priority
Computer Science	K-2	CS1	Base-Both Getting Started Package	\$795.00	1	\$795.00	1	1	\$795.00	1	0	\$0.00	
	K-2	CS2	Base-Both Obstacle Course	\$99.95	2	\$199.90	1	2	\$199.90	1	0	\$0.00	
	K-2	CS2	Base-Both and Base-Both Changeable Maze	\$99.95	2	\$199.90	1	2	\$199.90	1	0	\$0.00	
	K-4	CS3	Bits and Bytes	\$15.99	5	\$79.95	1	5	\$79.95	1	1	\$15.99	2
K-6	CS4	Dash & Dot Wonder Pack	\$279.99	6	\$1,679.94	1	0	\$0.00	0	0	\$0.00		
Engineering	K-6	ENG1	Big Blue Blocks SES Sport & Enrichment Program	\$4,975.00	0	\$0.00	0	0	\$0.00	0	1	\$4,975.00	1
	K-6	ENG2	Playground Mixed Blocks SES Sport & Enrichment Program	\$3,127.00	0	\$0.00	0	0	\$0.00	0	1	\$3,127.00	1
	K-6	ENG3	Reading Out About Non-Ins Book	\$21.25	1	\$21.25	2	1	\$21.25	3	0	\$0.00	
	3-8	ENG4	TeacherDesk Tool Set - Single	\$39.98	6	\$239.88	2	0	\$0.00	0	0	\$0.00	
Hydraulics & Pneumatics	2-6	HP1	Syringes (12 CC)	\$0.60	60	\$36.00	2	60	\$36.00	2	50	\$30.00	3
	2-6	HP2	Syringes (20 CC)	\$1.05	60	\$63.00	2	60	\$63.00	2	50	\$52.50	3
	2-6	HP3	Syringes (35 CC)	\$1.50	60	\$90.00	2	60	\$90.00	2	50	\$75.00	3
	2-6	HP4	Flexible Tubing	\$21.00	3	\$63.00	2	3	\$63.00	2	2	\$42.00	3
Life Science	K-6	LS1	Greenhouse SES Sport & Enrichment Program	\$2,299.00	0	\$0.00	0	0	\$0.00	0	1	\$2,299.00	1
	4-6	LS2	Human X-Rays - Set of 18	\$31.99	0	\$0.00	0	0	\$0.00	0	1	\$31.99	3
	4-6	LS3	Common Things Slides Class Set	\$71.99	0	\$0.00	0	0	\$0.00	1	\$71.99	3	
	4-6	LS4	Microscope Slide Collection	\$127.99	0	\$0.00	0	0	\$0.00	1	\$127.99	3	
	4-6	LS5	Human X-Rays - Set of 18	\$31.99	0	\$0.00	0	0	\$0.00	1	\$31.99	3	
	4-6	LS6	Common Things Slides Class Set	\$71.99	0	\$0.00	0	0	\$0.00	1	\$71.99	3	
	4-6	LS7	Microscope Slide Collection	\$127.99	0	\$0.00	0	0	\$0.00	1	\$127.99	3	
	K-6	R1	Straw Rocket Launcher	\$185.00	2	\$370.00	1	0	\$0.00	2	\$370.00	1	
2-6	R2	Team Finger Flyer Rockets - Pack of 12 - 6.5 Inches Big	\$8.97	4	\$35.88	1	4	\$35.88	1	2	\$17.94	2	
Robotics	5-6	ROB1	EV3 LEGO Mindstorms Kit - STEM Club	\$350.00	0	\$0.00	0	0	\$0.00	0	1	\$350.00	2
Renewable Energy	1-6	RE1	Renewable Energy Education Set	\$305.00	1	\$305.00	1	1	\$305.00	1	1	\$305.00	3
	1-6	RE2	Fast Cool 10 Car Kit	\$199.00	1	\$199.00	1	1	\$199.00	1	1	\$199.00	3
Computational Thinking	2-6	CT1	Robot's Race	\$12.99	3	\$38.97	3	5	\$64.95	1	1	\$12.99	2
	3-6	CT2	Blue Orange Dr. Eureka Speed Logic Game	\$18.30	5	\$91.50	2	0	\$0.00	0	1	\$18.30	2
	K-2	CT3	ThinkFun Balance Beams	\$19.99	5	\$99.95	3	0	\$0.00	0	1	\$19.99	2
	K-2	CT4	ThinkFun Robot Turtles	\$24.00	5	\$120.00	2	0	\$0.00	0	1	\$24.00	2
	K-2	CT5	SmartGames Color Code	\$22.99	5	\$114.95	2	5	\$114.95	2	1	\$22.99	2
	2-6	CT6	Bush Hour Traffic Jam	\$21.99	5	\$109.95	2	5	\$109.95	2	1	\$21.99	2
	2-6	CT7	ThinkFun Chickens War Game	\$20.93	5	\$104.65	2	5	\$104.65	2	1	\$20.93	2
	K-2	CT8	Yeti in My Seaghatti	\$9.97	0	\$0.00	0	0	\$0.00	0	1	\$9.97	2
	K-3	CT9	Robot Face Race	\$15.20	0	\$0.00	0	0	\$0.00	0	1	\$15.20	2
	K-6	CT10	Color Cubed	\$7.40	5	\$37.00	2	5	\$37.00	2	1	\$7.40	2
	K-6	CT11	GBits Jr.	\$19.95	2	\$39.90	2	5	\$99.75	2	1	\$19.95	2
	K-2	CT12	Smart Farmer	\$22.99	2	\$45.98	3	5	\$114.95	3	1	\$22.99	2
	2-6	CT13	Simon Logic	\$17.97	3	\$53.91	3	2	\$35.94	3	1	\$17.97	2
	K-2	CT14	Swaddle Go Nuts!	\$22.45	2	\$44.90	3	5	\$112.25	3	1	\$22.45	2
	1-8	CT15	Penguin Pond Party	\$22.99	2	\$45.98	3	5	\$114.95	3	1	\$22.99	2
	K-6	CT16	Blockus	\$24.99	2	\$49.98	3	2	\$49.98	3	1	\$24.99	2
K-6	CT17	Jenga	\$11.99	2	\$23.98	3	2	\$23.98	3	1	\$11.99	2	
3-6	CT18	Asteroid Escape	\$18.69	2	\$37.38	3	5	\$93.45	3	1	\$18.69	2	
4-6	CT19	Cat Slax	\$16.96	3	\$50.88	3	5	\$84.80	3	1	\$16.96	2	
4-6	CT20	Doc File	\$12.85	3	\$38.55	3	5	\$64.25	3	1	\$12.85	2	
2-6	CT21	Jump In!	\$14.99	2	\$29.98	3	5	\$74.95	3	1	\$14.99	2	
K-3	CT22	Chicken Shuffle	\$20.00	0	\$0.00	3	0	\$0.00	3	1	\$20.00	2	

This process has identified **~\$165k** in equipment needs which have been posted to our website for donors to review. Each of these needs is categorized by what functional impact they have on STEM education (i.e., technical focus areas), what grade & school requested it and prioritized into three tiers. So, a potential donor can clearly see & choose:

- **How** their money would be spent (aligned with KGCS priorities),
- **What** it would be used for (itemized listing of STEM equipment, tools, etc.),
- **Where** their money would go (which schools & grades),
- **What impact** it will have on the student (e.g., cognitive skills, etc.)

This year, the STEM program purchased **142 items/kits** providing a wide variety of STEM equipment to each school worth a total of **~\$10,600**. This included major purchases like a \$2000 greenhouse for Sealston Elem., which was funded by a designated donation provided by Mr. & Ms. Scott Cogil. It also included a 75-gallon fish tank for the high school science classes, and a wide variety of other items for middle and elementary schools. The table below provides a list of those items categorized by the school and educational topic associated with each.

School	Class / Topic Area	Equipment	Qty
KGHS	Earth Science	Topography Contour Model Kit (AP511)	10
		Find the Epicenter of an Earthquake (AP7266)	1
	Physics	AP Physics Kit #1- Understanding Torque	1
		AP Physics Kit #2 Rotational Motion & Ang Momentum	1
		Newton's 2nd Law Kit (balloon rockets)	2
	10-12/Probability & Statistics	Newton's G Ball	1
		Barbie/Ken Dolls for Bungee Drop Tests	30
Marine Science	Assorted Colored Rubber Bands (500/pkg) for Bungee Drop Tests	2	
	75 Gallon Fish Tank & Pump	1	
CTE	Geriatric Nursing Scenario Cards	1	
	Computer Science	Mech 5 Mechanical Coding Robot	10
KGMS	Physical Science	Fidget Spinner Design Kit	7
		Molecule Modeling Kit	7
		Snap Circuit kit	8
KG PES	Renewable Energy	Renewable Energy Education Set	1
	Rocketry	Straw Rocket Getting Started Package	2
		Straw Rocket Class Pack	5
	Computational Thinking	Bits & Byes Card Game	5
		SmartGames Color Code	5
Rush Hour Traffic Jam	5		
KG SES	Rocketry	Straw Rocket Getting Started Package	2
		Straw Rocket Class Pack	5
	Life Science	Greenhouse (8'x112')	1
	Computational Thinking	Bits & Byes Card Game	1
		SmartGames Color Code	1
Rush Hour Traffic Jam	1		
KG ES	Renewable Energy	Renewable Energy Education Set	1
	Rocketry	Straw Rocket Class Pack	5
		Bits & Byes Card Game	5
	Computational Thinking	SmartGames Color Code	5
		Rush Hour Traffic Jam	5
Rubiks Race	5		





The STEM program also raises money for scholarships to ***Camp Invention***, which is hosted locally by the KG Elementary School. This is a structured program organized & supported by the National Inventor’s Hall of Fame.

Camp Invention provides opportunities to take on fun, hands-on challenges that:

- build confidence, collaboration and creative problem solving,
- provide an authentic, hands-on opportunity to experience the invention process first hand, and
- ***“Turn Curious Kids Into Innovative Thinkers”***

Camp Invention is led by local, certified educators and aims to offer equal access to STEM education while positioning inventors as role models, helping to reduce disparities in STEM fields and build a more innovative future.



These KGEF scholarships provide STEM opportunities to elementary school students from underrepresented demographics including ***females, minority students***, and ***students with financial hardship***.

In support of the mission of the KGEF scholarship program, school counselors and school social workers collaborate with teachers to identify students from underrepresented groups that would benefit from participation in Camp Invention.

For Camp Invention 2022, ***six scholarships*** were provided by KGEF. Next year we hope to send many more.

Just imagine being a very poor, or even homeless, student struggling with all that entails...then one day a school counselor walks up to you and says:

***“Congratulations you’ve being selected for a Camp Invention Scholarship!
We think you’re very special, talented and full of potential to do great things in life.***

We hope this Camp is just the beginning of a brilliant future for you.

We encourage you to Reach for the Stars in everything you do!”

Beginning in April 2021, the Foundation agreed to host the ***Broadwood Scholarship for Space Camp***. This is a privately funded annual scholarship that sends a fifth-grade girl from KG schools to Space Camp held at the US Space & Rocket Center in Huntsville, AL. In the fall of 2021, KGEF added the ***Harrison Scholarship*** for Space Camp, which is a privately funded annual scholarship that is open to all fifth-grade students in KG public schools.



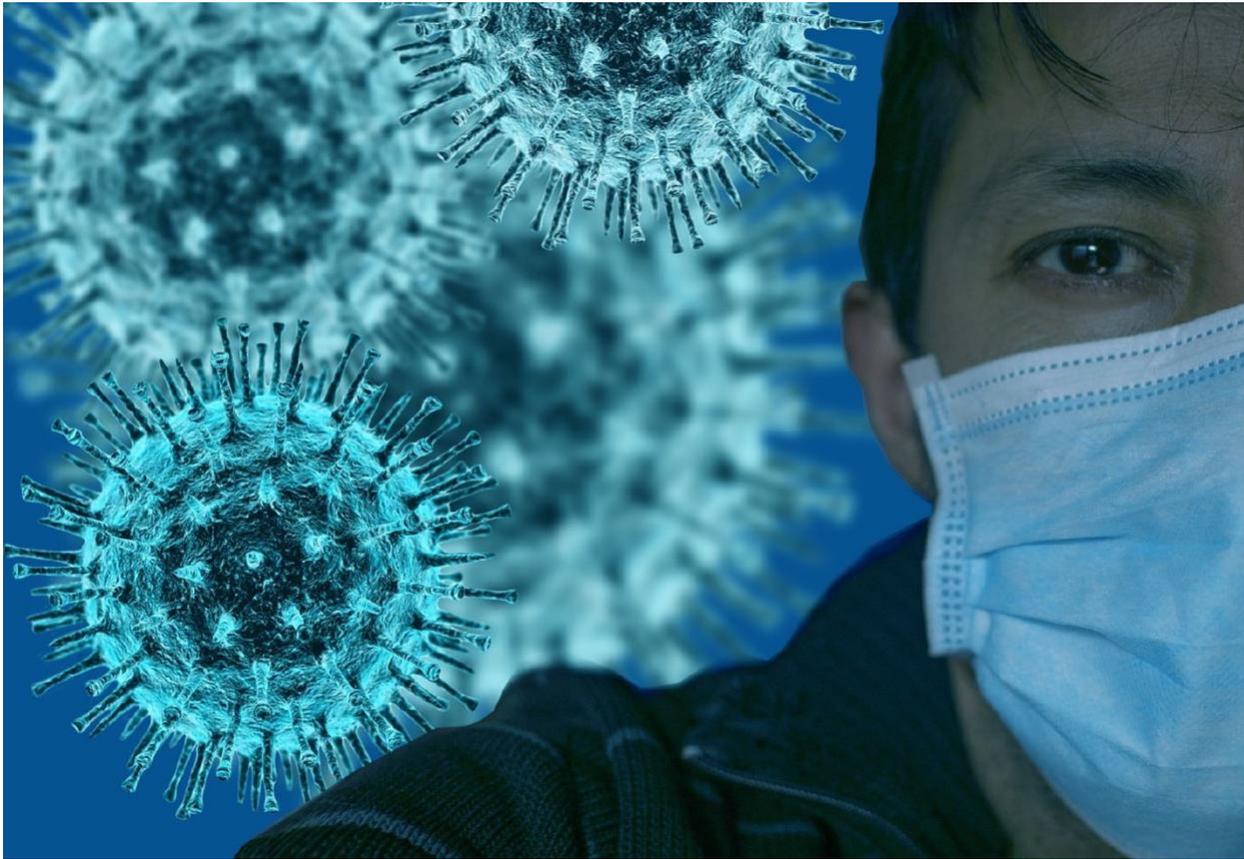
Both these scholarships pay full tuition, roundtrip unaccompanied-minor airfare between Richmond and Huntsville, as well as local ground transportation between the Huntsville airport & Space Camp. The total planning cost for these scholarships is ~\$2,300, but the actual cost varies depending on the cost of airfare and on whether air transportation is used by the student. The selection process for these scholarships is competitive, merit based and conducted by a committee comprised of STEM teachers and retired engineers. This year the lucky winners were: Miss ***Sydney Landreth*** (Broadwood Scholarship) and Miss ***Lindsey Hathorne*** (Harrison Scholarship).

Created by the National Aeronautics and Space Administration (NASA) in 1982, Space Camp was designed to serve as a means to promote math and science to children. A few decades later, the US Space & Rocket Center was selected to host the Space Camp and continue its long-standing mission, and NASA continued to fund it for a few years after the transition. Now the Space Camp operates as a fully self-sufficient program without NASA funding.



Almost 1 million trainees have graduated from a Space Camp program since its inception in 1982, including seven astronauts who attended Space Camp programs as adolescents. Children and teachers from all 50 states and almost 150 international locations have attended a Space Camp program. It is arguably the best and most renowned STEM camp in the world with phenomenal facilities, simulator and teachers. Attendees come from all over the world to participate in the camp. For many this is truly a ***life changing experience***.





COVID-19 Response

In March 2020, the world was shaken by the COVID-19 pandemic as schools, daycares, and businesses abruptly closed.

Children who were reliant on schools not just for learning, but for necessities like food, suddenly found themselves at home 24 hours a day without basic supplies.

The King George Education Foundation is continuously working with the school division to assist in meeting the needs of KGCS staff and students throughout each school year, and will continue to do so for as long as COVID continues to threaten our community.

2022 Board of Directors

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