

IT-ology[®] 2021

Annual Report



President's Letter

Dear Friends,

I'm delighted to introduce IT-oLogy's 2021 Annual Report and to share our accomplishments, our new and transitioned services, as well as the progress we have made this year. In many ways, we emerged stronger and more effective than we were prior to the pandemic.

Thank you to our dedicated and passionate constituents, stakeholders, donors, partners, and supporters. Every success we achieved in 2021 is truly a reflection of the trust that all of you have in us. We are grateful for everything so generously donated to enable IT-oLogy to inspire and develop the innovators and builders of tomorrow.

During this reporting year, IT-oLogy shifted away from the uncertainty experienced at the beginning of the pandemic in 2020 toward an inspired, renewed focus on enabling South Carolinians to grow and succeed in an increasingly digital environment where technology and 21st century skills are essential, not optional.

With your support and belief in our mission, IT-oLogy reached over 6,000 students, educators, parents, veterans, and professionals during 2021. This was a time that physically reaching out and conducting face-to-face services were not an option. In the reality of these restrictions, IT-oLogy achieved expansive reach across S.C. through a range of services that prepared those of all ages for a career in IT.

During 2021, IT-oLogy significantly reduced administrative costs and devoted an unprecedented 79% of our funding toward providing innovative programs to our constituents. For example, we rolled out new services designed to contribute to a diversified IT talent pool. Our Girls and Boys who Code clubs, diverseIT initiatives, Veterans' IT Certification-in-a-Box and vendor donation program enabled us to touch many South Carolina citizens. IT-oLogy was able to provide services and equipment to constituents experiencing critical needs and hardships.

IT-oLogy continues to be driven by the critical mission to promote, teach, and grow South Carolina's IT workforce which will enable our local communities, families, and businesses to thrive. Thank you for being a part of our mission.

Looking forward to 2022, I am extremely inspired by the value we, along with our stakeholders and partners, can bring to S.C. communities. With your support, IT-oLogy will continue to move forward by implementing innovative services to empower South Carolina citizens to become aware of their potential to realize their IT career dreams.

Tammy Mainwaring
President & CFO
IT-oLogy

Mission Statement

IT-oLogY's mission is to promote, teach and grow a diverse IT workforce to address the growing IT skills crisis in South Carolina.

IT-oLogY provides technology-based innovative and interactive programs that prepare all South Carolinians to survive and thrive in the 21st century economy. IT-oLogY engages with 4k-12th graders and college students, educators, career changers, veterans and IT professionals.

Diversity & Inclusion

At IT-oLogY we are passionate about creating an inclusive workplace that promotes and values diversity so that we may better serve our customers from all walks of life. IT-oLogY's vision is to use technology to promote equality and inclusion in the workforce.





IT-oLogy Beliefs

IT-oLogy believes that real, systemic change begins with early childhood education continuing through IT career professional development, creating a cradle-to-career pipeline.

Research confirms that in addition to technical skills, SC IT employers have a critical need for IT professionals with excellent interpersonal and communication skills. All of our core programs integrate soft skills creating the “Whole IT Professional.” IT-oLogy is committed to bringing together businesses, parents, educators and community leaders to close the IT skills gap in South Carolina.

COVID-19 Response:

With the urgent and rapid shift in the use of technologies for basic activities that citizens, government, schools and businesses perform on a daily basis, IT-oLogy's work has catapulted to the forefront of SC's needs and its services are more critical than any other time in our history.

While the pandemic continues, the need for IT-oLogy programs grow. IT professionals quickly fulfilled their roles of developing solutions allowing SC's businesses, nonprofits, communities, schools. and government to continue.

Technology enables critical functions such as logistics coordination, online requests for assistance, mental health counseling, telehealth services, the tools to develop vaccinations and perform contact tracing, online education, critical business and family communications. Most recently, technology solutions are allowing South Carolinians the ability to schedule COVID-19 vaccinations among numerous other activities.

IT-ology trains and educates its constituents in developing and implementing innovative technology solutions to solve the challenges of the present and equips them with the knowledge to use critical thinking, innovation and problem solving to prevail over future problems.

IT-oLogY Methodology

IT-oLogY practices "Building the Whole IT Professional" by implementing the pictured cradle-to-career methodology. IT-oLogY's programs are designed to introduce technology to students in their formative years to foster a love and interest in technology while building their technology confidence.

IT-oLogY offers specialized programs, events and/or classes for individuals in Pre-K to current IT professionals. This methodology was crafted to support future IT leaders through every stage with the goal in mind of developing lifelong learners and IT professionals who give back to the community by filling important IT roles in South Carolina.



2020 - 2021 Impact

Thanks to your support, IT-oLogY has impacted every county in South Carolina through our K-12 field trips, competitions, teacher professional development, STEM festivals, IT professional development and conferences.

By the numbers

2,489 K-12 Students
980 Educators
540 Parents
1,479 Professionals



South Carolina Statistics

Source: Code.org

\$77,383

**AVERAGE SALARY
OF COMPUTING JOBS
IN SOUTH CAROLINA**



Source: Code.org

STUDENTS WHO LEARN COMPUTER SCIENCE IN HIGH SCHOOL ARE 6 TIMES MORE LIKELY TO MAJOR IN IT, AND WOMEN ARE 10 TIMES MORE LIKELY.

Source: CompTIA Cyberstates

TECH-RELATED EMPLOYMENT HAS A PROJECTED GROWTH RATE OF 2.9% IN 2021.



Source: Code.org

5,458

**OPEN COMPUTING JOBS
IN SOUTH CAROLINA
CURRENTLY (FEB 2022)**

K-12 Programs

IT-oLogY's core K-12 programs are designed to not only educate students, but to introduce them to the possibilities of technology. IT-oLogY offers customized program solutions for educators and parents. All services are crafted to support future IT leaders through every stage of their development with the goal in mind of developing lifelong learners and IT professionals who give back to the community by filling important IT roles in South Carolina.



Coding Clubs

**Tech-in-a-Box
Camps**



**NCWIT
Aspirations**



**IT-oLogY Tech
Explorers**



**Virtual
Field Trips**

Our Programs



IT-oLogY's core K-12 programs are designed to not only educate students, but to introduce them to the possibilities of technology. IT-oLogY offers customized program solutions for educators and parents.

All IT Enrichment programs align with South Carolina Department of Education Computer Science Standards, ITEEA Standards in Technology Literacy, and ISTE National Education Technology Standards and cross all disciplines.



"IT-oLogY's programs were an excellent introduction to technology for my children. The instructors, as well as the material, provided rich content at a level that could easily be absorbed and applied. Thank you so much!" -Parent



Virtual Field Trips & Cyber Enrichment Programs:

IT-oLogy delivers technology content to students either at your site or virtually. Virtual Field Trips and IT enrichment programs cross all disciplines and meet South Carolina Department of Education Computer Science Standards, ITEEA Standards in Technology Literacy and ISTE National Education Technology Standards. All programs are project-based and customizable for all ages, unless otherwise noted in the description. Previous experience with technology or programming is not required for any topic. All topics are listed below:

IT-oLogy Tech Explorers:

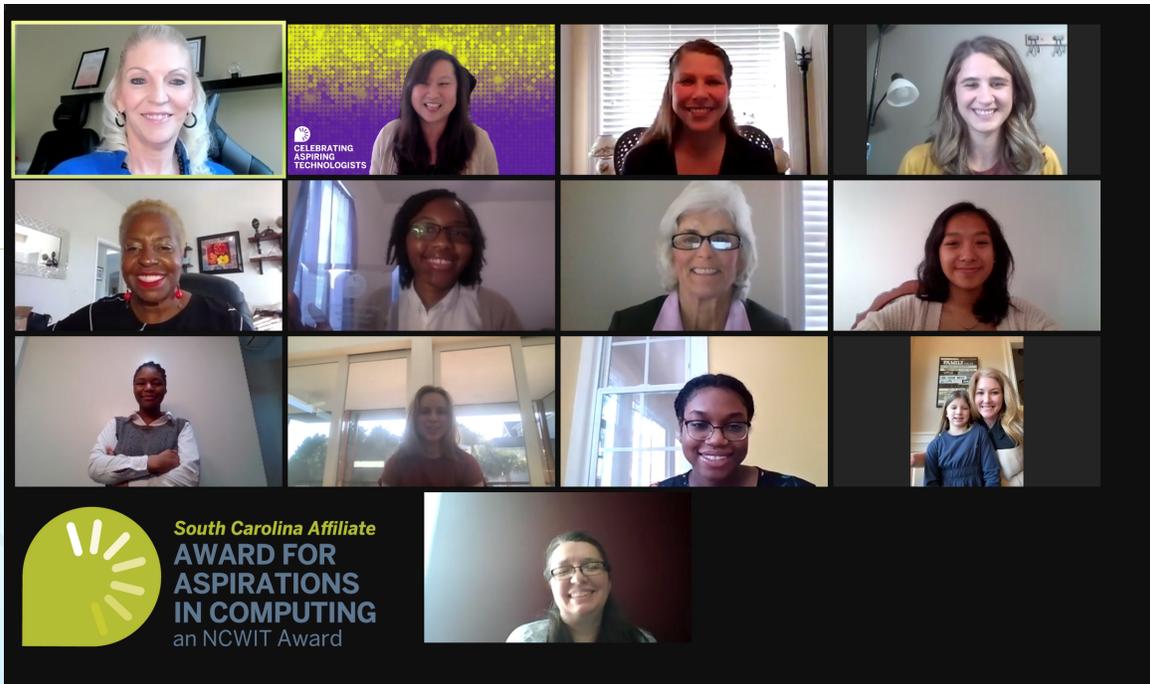
IT-oLogy's Tech Explorers integrates technology and life skills together in a fun and exciting way for 4-7 year old students. Students relate to the adventures of memorable characters in amusing stories and learn timeless principles. Students also discover their creative side and spark their imagination by exploring, making, creating, crafting and tinkering using electronics, robotics and art materials.

“This class was so much fun! I love learning about circuits! Thank you” – Student

Aspirations in Computing:

IT-oLogY is the South Carolina Affiliate for the Aspirations in Computing award. The NCWIT Award for Aspirations in Computing builds a talent pool for the growing technical workforce and helps academic and corporate organizations celebrate diversity in computing by honoring young women at the high-school level for their computing-related achievements and interests. Award recipients are selected based on their aptitude and aspirations in technology and computing; leadership ability; academic history; and plans for post-secondary education. Interested high school young women can apply, starting in September. Winners are announced the following year in March.

2021 Virtual AiC Scholarship Reception:



Girls Who Code Club:



IT-oLogy's Girls Who Code Club is meant for girls to join our sisterhood of supportive peers and role models and use Computer Science to change the world. Girls learn from fun coding tutorials, build community through interactive activities and learn about inspiring role models. They learn the concepts of loops, variables, conditionals and functions that form the basis of all programming languages. Girls also work in teams to design and build a Girls Who Code Project that solves real world problems through code.

IT-oLogy's Boys Who Code:

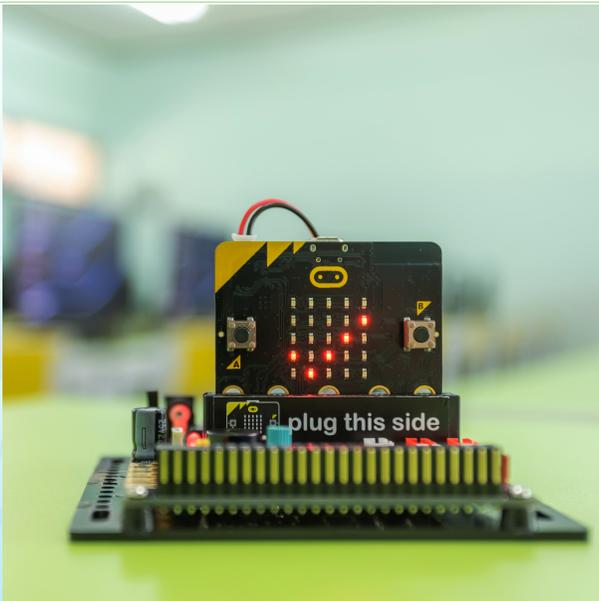
IT-oLogy's all new Boys Who Code Club will teach South Carolina boys in grades 6-12 the fundamentals of coding, its history, technology evolution, cyber safety and cyber careers. Students will learn to code, program interactive stories, create apps, animations and games with engaging activities with Hour of Code™. Students will also be introduced to artificial intelligence and the basics of machine learning. Hour of Code™ on-demand resources will also help nurture problem-solving skills, logic, creativity, and starts a foundation for success in any 21st-century career path. During IT-oLogy's workshops, students will explore HTML, JavaScript, Python and Scratch programming languages and most importantly, have FUN coding!



Tech-in-a-Box

IT-oLogY's Tech-In-A-Box program is an innovative, three-day, virtual learning experience for students to experience the excitement of technology. Everything needed for the workshops is mailed directly to the students' door and is theirs to keep. The supply boxes are filled full of STEM supplies and technology gadgetry to use during the weekly workshops. Additional hands-on activities and on-demand learning resources are also provided to complement lessons learned in our virtual classroom. Through project-based learning, students find comfort in knowing they can work at their own pace, and openly share their innovative ideas and creativity around coding and circuitry. The activities and challenges do not require any previous technical experience and are designed with gaming attributes. IT-oLogY's Tech-In-A-Box program reinforces STEM concepts and computer science state standards to support what our students are learning in school and inspire them to one day pursue a career in IT. Tech-In-A-Box allows students of multiple experience levels the space to learn something new and most importantly, have fun!

micro:Bit



“IT-oLogY's programs were an excellent introduction to technology for my children. The instructors, as well as the material, provided rich content at a level that could easily be absorbed and applied. We're so happy to get technology that we can keep experimenting with at home. Thank you so much!” – Mom of 3

Professional Programs and Events



At the Summit, we gather experts who present the latest research, trends and opportunities regarding South Carolina's information technology sector. We address our state's current IT workforce challenges and provide practical solutions to ensure a successful future.



Over the last 30 years, ITIL has become the most widely used framework for IT management in the world. It's the de facto global framework for IT departments. The ITIL certification is widely used and accepted as a framework for managing the IT lifecycle.



CompTIA, the world's leading tech association, has four IT certification series that test different knowledge standards – from entry-level to expert. The unparalleled programs set industry standards, foster skills development and generate knowledge and insight every day.

Team Building

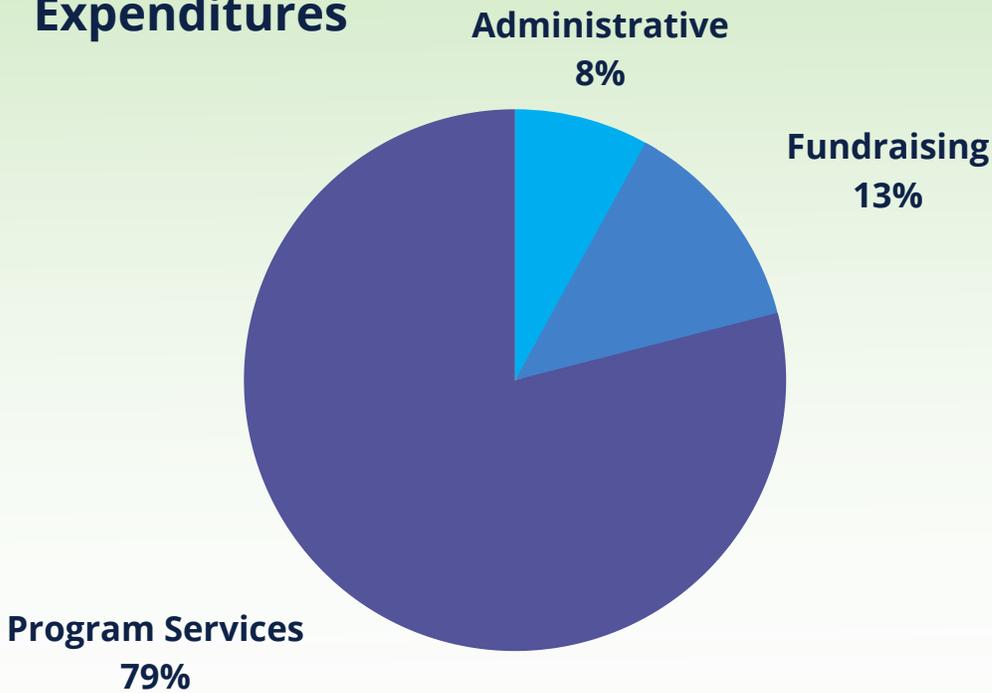
By incorporating high-quality, technology-based activities with strong collaboration and communication skills, your employees are sure to have a blast—all while building team morale, trust and motivation. Using technology gadgets such as robots, drones and virtual reality, team members are challenged to work together to code, design and problem solve different scenarios.



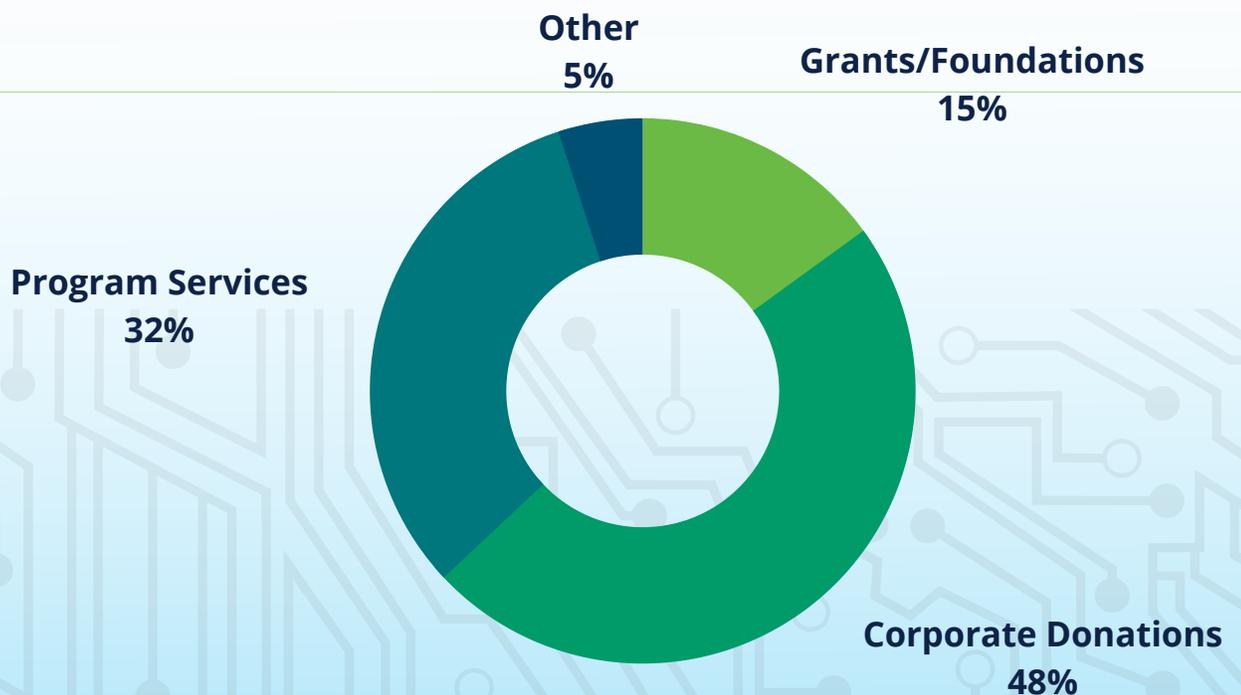
The diverseIT group works to promote and grow diversity within the STEM workforce through mentorship, networking, professional development and community outreach.

2021 Finances

2021 Distribution of Expenditures



2021 Revenue Sources



IT-oLogY® Collaborators

Thank you to all of our Collaborators, Supporters, and Donors who have helped make IT-oLogY's mission possible. Your support is invaluable.



The Lipscomb Family Foundation



WIGGINS FOUNDATION



COLUMBIA COLLEGE



South Carolina Department of Commerce
Just right for business.



United Way of the Midlands



SOUTH CAROLINA ASSOCIATION OF INDEPENDENT HOME SCHOOLS
Passing the torch to the next generation



Epworth Children's Home



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IT-oLoggy is a registered 501(c)3 nonprofit organization.