



Annual Report

FY 2021-2022

Table of Contents

- 4 Letter from Board
- 6 NCI Staff & Board
- 7 About NCI
- 8 Workforce Training & Certifications
- 10 Renewables
- 11 FAA TRUST
- 12 Health Science & Services
- 14 University Programs
- 16 Community Engagement
- 19 K-12 Outreach
- 22 Testimonials

Letter from **Board Chair**

Like all other state agencies, the coronavirus pandemic presented The New College Institute with many challenges that it has had to overcome during the 2021-22 academic

But our dedicated staff worked diligently to turn those challenges into successes for our students. This past year, New College has vaulted forward in becoming a certified safety training site for the Global Wind Organization (GWO), providing numerous wind safety training sessions in this emerging industrial marketplace. In addition, NCI is now expanding its training program to include wind turbine sea rescue training, becoming one of the only education centers on the east coast to provide both types of safety certification for wind turbine engineers and technicians. With a partnership underway with a major utility company in Virginia, NCI has positioned itself to be a leader of education and training in this renewable energy industry.

We continue to focus on our mission of providing our local students with educational opportunities, and this past year was no different. NCI developed and held its first Historic Black College and Universities (HBCU) college fair, with over 150 students attending and interacting with college administrators to help them make their future decisions about obtaining a college education. Additionally, our partnership with Virginia Tech remains strong, and last year our Doctorate in Education program served numerous students, with ten students graduating with their Doctorate degree.

Local involvement with the young people and the citizens in our community continues to grow, as we continued our critical involvement in the "Reading For Life" program by having our staff engage in the local public schools, reading to so many children, and providing nearly 500 of those young people with books so that they can sharpen their reading skills. This program is so important in increasing the literacy rates in our schools, and it really focuses on children embracing the simple joy of reading in this digital and audio-visual time that we live in. Our staff hosted over 25 LIFE (Learning Is ForEver) events during the year at the Baldwin Building with nearly 200 people attending informative seminars that improve the health, safety and welfare of our community. And, our staff ably represented the Henry County/ Martinsville community as subjectmatter experts on various technology and advanced industry topics at conferences and seminars throughout the year, introducing hundreds of people to The New College Institute's expertise in those various fields.



The members of the NCI Board of Directors are excited about implementing the new programs that we have been developing over the past year that will put NCI at the forefront of education and certification trainings in the emerging technologies, as well as serve our existing industries in the fields of broadband, healthcare, advanced manufacturing/technology and education. Our mission of creating educational and employment opportunities for the citizens of this region is growing, and we are eager for the economic success that these programs will bring to the people of Southside Virginia.

And with the new addition of our excellent Executive Director Joe Sumner, the "sky's the limit" for what we can achieve in the near future for our students here at NCI, and we look forward to continuing to be a valuable partner with the great city of Martinsville and our surrounding counties as we continue to build the foundation for a sustainable 21st century workforce that will attract businesses and high-paying jobs to our region.

Warmest regards, Senator Bill Stanley **Board Chair**

Letter from **Board Secretary**

This past year, we have seen an emergence at New College Institute and an increased energy as we continue to stay committed to our mission themes to be a premier center of learning that creates high-quality learning environments, while promoting positive community change, with the goal of promoting economic prosperity and community transformation. Our commitment to our students and community remains our top priority, transforming plans to tangible outcomes that our NCI staff, board and stakeholders can celebrate and benefit together. Moving forward we will remain motivated by prior commitments to cultivate partnerships with our K-12, higher education, and industry leaders to create new educational opportunities that will not only create a ready workforce pipeline for the economic revitalization of our region.

Our NCI staff continues to prove themselves dedicated to their roles and have maintained positive attitudes in meeting their objectives and serving the Commonwealth of Virginia. Our board continues to grow adding a diverse set of members from academia, and industry public and private sectors. The NCI board welcomes our newest members, Rebecca Horner, and Hubert D. Harris. Both share a passion to serve the Commonwealth, in their newly appointed roles. This annual report intends to serve as a transparent view of the new and innovative programs, trainings and opportunities, we have currently within our sights.

As a motivated team, we have championed several community engagements and delivered new programs to our program portfolio, including, but not limited to:

- Presented the Martinsville-Henry County Junior Chapter of the National Society of Black Engineers (MHC NSBE Jr) \$25,000 to establish a robotics team.
- Added Sea Survival to our Global Wind Training offering making it is easier for offshore wind turbine technicians to become Global Wind Organization (GWO) certified.
- Held a holiday food drive for the Community Storehouse which supports Martinsville and Henry County localities.
- Partnered with the Manufacturing Skills Institute to provide an Advanced Manufacturing Machine Operator Registered Apprenticeship Program.
- Graduated 14 doctoral students as a part of our partnership with Virginia Tech as a part of our Doctorate in Educational and Leadership and Policy



Studies, a program geared toward the preparation of school principals and supervisors.

Our relationships with Virginia's universities and community colleges remain intact offering flexible opportunities for students to advance their education and career goals. This year's partnerships include, Longwood University, Radford University, Bluefield University and Virginia Tech. NCI continues to stay future focused and will continue to expand our programming offerings in the future.

Our students are one of our best sources for measuring the success of our institution. Jeanne L. Hodges, a graduate of our degree programs stated, "I see NCI as a gateway to first-time students who are looking for affordable education and a pathway for second-career students like myself, looking to pursue 'a ship that we thought had sailed.' It's never too late to become what we might have been." Your support has enabled us to continue to move forward in times of uncertainty and remain connected and receptive to the needs of community and businesses we serve. On behalf of the board members of NCI, we appreciate your continued support, feedback and trust.

Eric Jones **Board Secretary**

NCI Staff & Board

LEADERSHIP

Christina Reed, Interim Executive Director

ADMINISTRATION/ COORDINATION

Neil Easley, IT Support Specialist

Kenny Elmore, Facilities Manager

James Goggins, Security Staff

Teh-Way Lee, Manager of Technology Integration

John Maxwell, Coordinator of Health and Human Services

Chris Niblett, Human Resources & Board Relations Coordinator

Ken Russell, Chief Innovation Officer

Susheela Shanta, Coordinator of K-12 Programs & Institutional Effectiveness

Joann Shellhammer-Fox, Finance & Operations Analyst

Marshall Thomas, Security Supervisor

COMMUNICATIONS AND MARKETING

Rebekah Hughes, Director of Marketing & Communications

Erica McDaniel, Events and Administrative Program Coordinator

Kim Phillips,
Public Relations and Marketing
Specialist

FACULTY / INSTRUCTORS

Janet Copenhaver, Technology Instructor

Clifford House, Quality Assurance Instructor

Evan Kissel Advanced Manufacturing Trainer/ Instructor

CUSTOMER SERVICE TEAM

Stacey Davis, Customer Service Receptionist

Christina Easley, Customer Service Receptionist

Terresa Leopold, Administrative Support Specialist

Karol Quezada Customer Service Receptionist

BOARD OF DIRECTORS

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Delegate Rodney Willett

About NCI

NCI is dedicated to being a rural innovation center for workforce training, certification, and educational programs. We are proud to create opportunities for more people, from more backgrounds, to find the workforce training and education they need to advance their careers.

We offer best-in-class training and education for cutting-edge careers ranging from cybersecurity to social work, from business to education, and telehealth to renewable energy. As new opportunities and industries arise, NCI develops partnerships that create pathways to entry.

With online programs and on-site classes located in Martinsville, NCI offers flexible opportunities that advance education and career goals and provides guidance and support to achieve success.

We foster unparalleled opportunities to attain the education and career skills needed to succeed and prosper in today's rapidly changing economy.



Workforce Training & Certifications

New College Institute has made great advancements serving as a rural innovation center providing technology education, manufacturing training, and consulting services and programs that contribute to continuous workforce, technology development and business success.

AWS Re/start

NCI completed its fourth AWS (Amazon Web Services) cohort providing free, virtual courses in cloud computing, thanks to generous grants from the Virginia Tobacco Commission. Upon completion, participants are able to apply for entrylevel cloud roles, such as cloud operations, site reliability, infrastructure support, and technical adjacent business support functions.

AWS cohorts were offered virtually, with three in-person locations available for learners to access the program on a case-by-case basis. In-person locations included the NCI Baldwin Building in Martinsville, the Oxbow Center in St. Paul, and the University of Virginia College at Wise facility in Abingdon, VA.

Over the course of the year, AWS Re/start at NCI received 950 applications from across the country and enrolled 28 students in its final program with 20 of these becoming certified. The majority of graduating students were Virginia residents from 35 cities across the commonwealth.





Training Center

The Rural Innovation Training Center at NCI continues to offer certifications and manufacturing training services that contribute to continuous workforce and technology development and business success. Trainings offered during the year included OSHA, Certified Production Technician, Metrology, and CNC Operator Training, in addition to GWO certification Training.

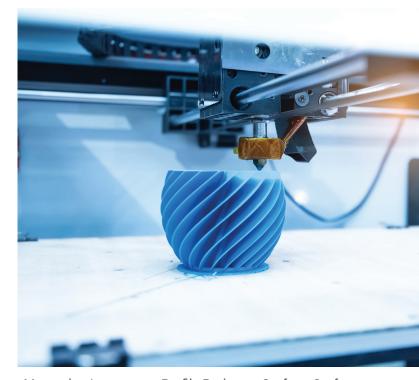
NCI's advanced manufacturing team, innovative solutions, and low cost pricing help companies of all sizes access the training and pipeline development needed to remain economically competitive.

OPENLAB

OpenLab is a new collaborative space to work with advanced equipment in a state of the art environment.

By opening up the advanced manufacturing center to the public, the skilled members of the community now have a place to create and invent.

Available machines include HAAS CNC Vertical Milling Machine, HAAS Lathes, Mazak milling machine, Jet Gear Head Bench Lathe, Vertical Milling Machine, Mitutoyo CNC measuring machine, HR 300 Rockwell Hardness Testing Machine, Roundtest Roundness and Cylindrical-Form



Measuring Instrument, Profile Projector, Surftest Surface Roughness Tester, Academic Coater (used for hands-on Advanced Film program), Makerbot 3-D Printer with CAD integration, FORMLABS 3D printer, Artec 3D Scanner, band saws, grinders, assorted hand tools and materials such as steel, aluminum, brass and filament for 3D printers.



Renewables

NCI continues to provide GWO-certified Basic Safety Training (BST) and Basic Technical Training (BTT) to help meet the growing demand for both on- and offshore wind turbine technicians. The Global Wind Organisation (GWO) is a non-profit body founded by wind turbine manufacturers and owners, that aims to achieve an injury-free work environment in the wind turbine industry through the deployment of common international standards for safety training and emergency procedures.

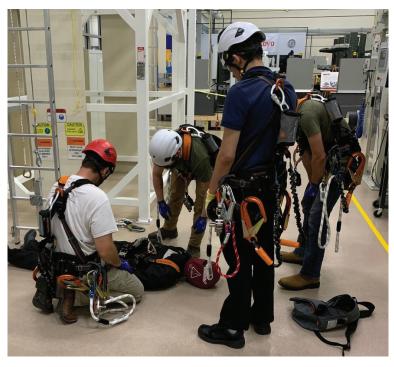
Technician Training

NCI successfully trained 26 candidates awarding 80 GWO certificates during the year.

Basic Safety Training provides participants with basic knowledge and skills to enable them to work safely in the wind turbine industry. This course covers First Aid, Fire Awareness, Working at Heights and Manual Handling.

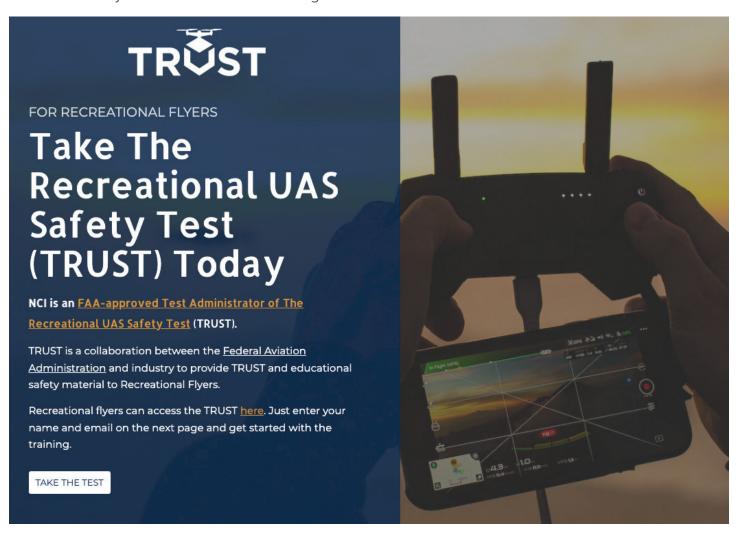
Basic Technical Training consists of three modules, the Electrical, Mechanical and Hydraulic.

NCI plans to offer Sea Survival and Advanced Rescue Training beginning in spring 2023, and will further expand the experience with the development of a virtual reality system that creates simulations such as standing on a turbine structure 300 feet in the air. Students will be able to experience the real-life scenarios of working on wind turbines.



FAA TRUST Test Administrator

The Federal Aviation Administration (FAA) selected the New College Institute as one of only 18 nationwide test administrators for The Recreational UAS Safety Test (TRUST). NCI is the only test administrator in Virginia.



TRUST Testing

TRUST provides recreational drone flyers with aeronautical safety knowledge and an overview of the rules for operating drones.

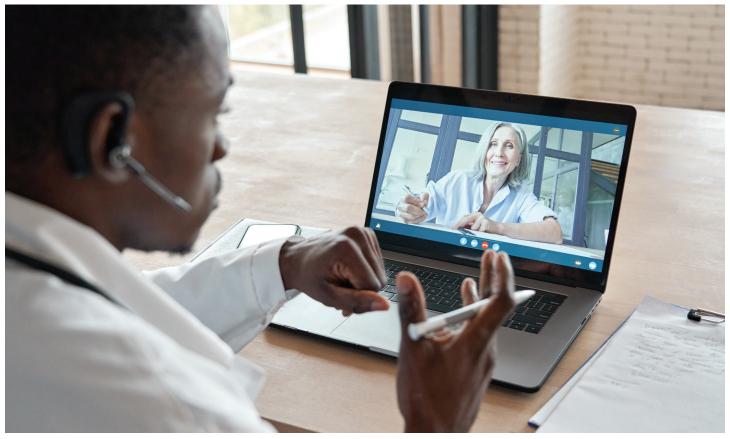
Drone operators can take the free online test and immediately receive their completion certificate, which they are required to present if requested by FAA or law enforcement. NCI awarded 226 certificates to recreational flyers during the year.

A federal requirement in the FAA Reauthorization Act of 2018 requires all recreational unmanned aerial aircraft systems (UAS) drone flyers pass an aeronautical knowledge and safety test and provide proof of passage when flying.

Access the TRUST test at: https://trust.newcollegeinstitute.org

Health Science & Services

NCI's health science programs provide opportunities for continuing education, career advancement, professional development, equipping medical professionals to meet the rapidly growing demand for health education.



STAR Telehealth

New College Institute continues to expand its reach within the telehealth industry. During 2021 STAR Telehealth trained 925 students from 34 states and 3 countries, awarding more than 3,200 telehealth certifications.

The telehealth program works with participants working in a range of roles, including physicians, nurses, paramedics, social workers, licensed professional counselors, IT specialists, and health care administrators.

Participants gain knowledge and skills on the use of video-conferencing technologies in the clinical setting and remote patient monitoring in the home setting.



NCI addresses the shift in healthcare practice and care coordination by delivering an innovative training program with multiple academic partners to facilitate incorporation of knowledge of telehealth into medical training and preparation of the workforce.

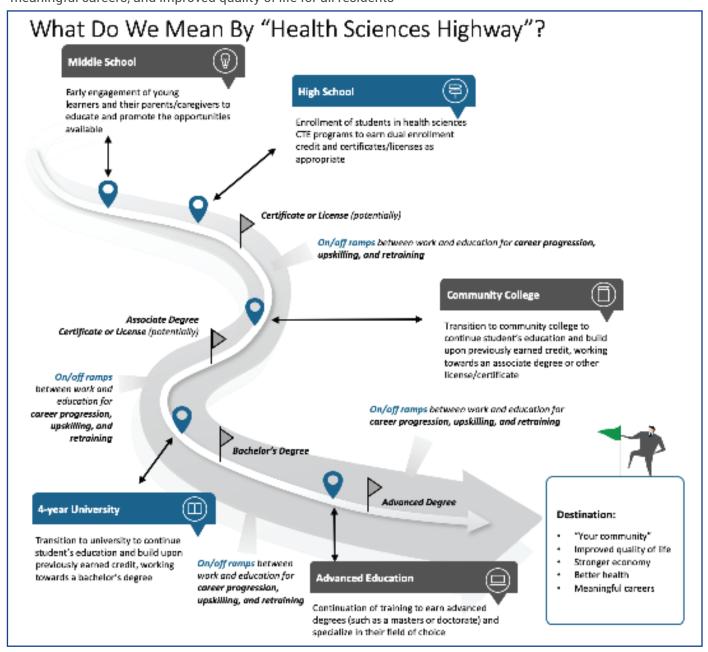
NCI also collaborates with leading telehealth subject matter experts from centers at UVA, VCU and the Virginia Health Workforce Development Authority; and with leading technology companies such as Vytal Solutions.

Healthcare Program Research & Development

In July the Claude Moore Charitable Foundation awarded New College Foundation a \$60,000 grant to support New College Institute in program development that will build and strengthen the healthcare workforce in southern Virginia and across the Commonwealth.

As part of the grant process, NCI retained Deloitte Consulting to support strategy development and establish a vision to:

- Develop this collective impact model in southern Virginia as a recognized best practice and as a rural area leading in innovation
- Establish the understanding that in relation to state-wide efforts, southern Virginia is united, organized, and wellsuited to leverage state funds for wide ranging impact
- Design a health workforce highway in southern Virginia that supports economic development, better health, meaningful careers, and improved quality of life for all residents



University Programs

NCI continues to establish partnerships with leading Virginia colleges and universities while renewing commitments with existing, long-term partners.

Together with these institutions, New College Institute offers innovative and flexible ways for students to attain skills, credentials and the degrees they need to succeed in new and emerging fields.



Bluefield University Master of Arts in Counselor Education

NCI partners with Bluefield to promote access to graduate level training in Counselor Education in both clinical mental health and school counseling. The Master of Arts in Counselor Education program focuses on the development of highly-skilled mental health professionals that provide comprehensive mental health care to people in need. Students have access to flexible programming options, online and hybrid delivery with intensives held on-campus in Bluefield and at NCI.



University of Virginia **Bachelor of Interdisciplinary Studies**

NCI was pleased to form a new partnership with the University of Virginia this year. Our efforts together have focused primarily on the UVA's Bachelor of Interdisciplinary Studies (BIS). This is an online degree program designed for adults seeking a flexible program to complete their undergraduate degree while balancing work and family commitments.



Radford University Master of Science in Strategic Communications

This year brought an exciting new partnership with Radford. The graduate degree allows students to prepare for careers across various areas of expertise and industries, ranging from government, to industry, to education. The course work includes a wide range of communications from public relations, political communication, training and development, and interactive media and analytics, etc Coursework is completed via online instruction or streamed via interactive video to NCI.



William & Mary **Center for Online Learning** at The Raymond A. Mason School of Business at William & Mary

This year, NCI was honored to launch a new partnership with William & Mary's Raymond A. Mason School of Business. This new strategic partnership provides online learning opportunities for those pursuing business education in the southern Virginia region and beyond.



Longwood University

NCI partners with Longwood to offer a Bachelor's in Elementary Education & K-6 Licensure, Bachelor's in Middle School Education, and Bachelor's in Social Work.



Virginia Tech **Educational Leadership Doctoral Program**

Working with the Virginia Tech Educational Leadership Doctoral Program, NCI helps prepare aspiring educational administrators. Graduates leave with the skills they need to lead ethically, initiate school reform, investigate issues in educational policy, communicate with diverse constituents, and improve the learning and prospects of all K-12 students.

Community Engagement

NCI is committed to supporting the local community by offering a variety of events and learning opportunities, as well as welcoming private rentals from both local residents and professional organizations.



Learning Is ForEver (LIFE)

The LIFE program (Learning is ForEver) continues to offer a wide variety of educational events throughout the year that are free to the public.

Some of the program highlights included presentations on Uptown Architecture, Lawncare, Gardening, Genealogy, Bee Keeping, Dangers of Sugar, Healthy Lifestyles, Christmas Music around the World, the Benefits of Hemp, and a Wine Tasting and Tour at Hamlet Vineyards. Additionally, NCI hosted three blood drives in August, December and May with contributions totaling 30 units of blood donated to the American Red Cross.

Smithsonian Exhibit

As part of the LIFE program, located in the first floor of the Baldwin Building, NCI is proud to feature SITES (Smithsonian Institution Traveling Exhibition Service) educational posters on various topics throughout the year. The rotating exhibit provides an opportunity to celebrate cultural heritage and bring attention to a wide range of topics.

Displays included the History of Women Inventors, Bittersweet Harvest: The Bracero Program 1942-1964. I Want the Wide American Earth: An Asian Pacific American Story, and Pollination Investigation.



Baldwin Building Activity

In addition to LIFE events, the Baldwin Building Lecture Hall hosts many different groups and organizations. Regular events were held by representatives from nonprofit groups such as the National Society for Black Engineers (NSBE), Martinsville Fire/EMS, the local school systems and other community organizations. More than 280 events were held in the building including corporate, private, special events and community activities such as weddings, receptions, shareholder meetings, trainings, non-profit and other ticketed events.

New College Institute also welcomed two community organizations, the 3rd Annual Alpha Gal Symposium, and the Boys and Girls Club, to use the lecture hall free of charge for their educational events.



Student Recognition



Graduates, students and other program completers are recognized each spring at NCI's annual Student Appreciation Event.

Additionally, NCI was host for Longwood University's Completion Celebration where multiple graduates were acknowledged. Five local students were specifically celebrated for their completion of elementary education coursework. Graduates Caitlyn Cockram, Meghan Marlowe, Morgan Norman, Taylor Conklin, and Ryan Orton finished their Longwood studies at the New College Institute in December. The celebration of completion heralds a strong partnership between Longwood University and Patrick & Henry Community College.



College Fairs

New College Institute hosted several college fairs during the year, inviting high school and college-age students to learn more about available educational opportunities and what to expect during the admissions process. Each college fair targeted a unique focus such as "STEM and Innovation", and welcomed representatives from HBCU (Historically



Black Colleges & Universities) schools, VACRAO (Virginia Association of Collegiate Registrars and Admissions Officers), and partner universities who shared programs and encouraged students to consider applying.

Pictured above: VACRAO members share programs and educational opportunities for potential students.

Pictured at left: representatives from HBCU schools and local chapters of Alpha Phi Alpha Fraternity, Inc., Alpha Kappa Alpha Sorority, Inc., Kappa Alpha Psi Fraternity, Inc., Omega Psi Phi Fraternity, Inc., and Delta Sigma Theta Sorority, Inc., all members of the National Pan-Hellenic Council, collectively referred to as the Divine Nine.

K-12 Outreach

CyberPatriot Cyber Camp

NCI partnered with SAIC to virtually host the 2nd annual CyberPatriot Cyber Camp for middle and high school students. Twenty-five campers from across the country engaged in the interactive program where they learned the importance of cybersecurity and how to protect their personal devices and information from outside threats.

Students are immersed in a cyberspace experience through comprehensive teaching paired with hands-on applications in cyberoperations, while becoming acquainted with the exciting opportunities for careers in cybersecurity. The camp concludes with a mini-competition in which students protect and defend their network and systems during a simulated cyberevent.

NCI's winning campers, Isaac Kim and Jai Nagaraj (pictured) received new Chromebooks.

CyberPatriot is a National Youth Cyber Education Program created by the Air Force Association (AFA) to inspire K-12 students toward careers in cybersecurity or other science, technology, engineering, and mathematics (STEM) disciplines critical to our nation's future.



Pop-Up Summer Camp

In July, New College Institute hosted its second annual Pop-Up Summer Camp for middle and high-school students, in partnership with the Institute for Advanced Learning and Research (IALR).

Drive through participants received free STEM kits provided by NCI, as well as coupons for free and discounted items donated by local businesses.





Health Careers Camp

In June, NCI hosted its inaugural Health Careers Camp which provided a week of activities and hands on experience, free of charge, for high school students interested in exploring the exciting world of Health Care Careers.



During the sessions, students learned about a variety of health careers through hands-on discovery-based activities and exposure to healthcare education.

Students learned various facets of health care at SOVAH Health, by visiting the simulator and Med/Life helicopter, and visited the Martinsville Speedway to learn about health and safety careers with Nascar Racing.

The goal of the summer camp is to have students walk away with increased knowledge allowing them to make a well-informed decision in pursuing a health career of their choice and to hopefully obtain credentials at local institutions that lead to a health care career.

Reading 4 Life

The annual Reading 4 Life program again provided a book for every kindergarten student in Martinsville City, Henry County, and Patrick County Schools. Launched in 2007, NCI serves between 700-800 kindergarten students annually, across three districts: Martinsville City Schools, Henry County Schools, and Patrick County Schools. The Martinsville – Henry County Chamber of Commerce's Education Foundation joined the effort as a funder and partner of the program.

Field Trips

Students from Woolwine Elementary School visited New College Institute during a field trip to learn more about educational opportunities and workforce training.







FIRST Robotics

NCI's winning robotics team, the STAGS (Students Technologically Advancing for Greater Success), continued its successful efforts in its 19th year - participating in tournaments across Virginia including Salem, Hampton and Richmond where the STAGS were District Finalists in competition. The year was also bittersweet as the STAGS said farewell to long-time supporter, mentor and program facilitator, Brian Pace, on his retirement.

The FIRST Robotics program pairs local high school students from Bassett, Magna Vista and Martinsville High Schools with adult mentors from a variety of occupations, including engineers, programmers, CAD operators, teachers, and pharmacists. Mentors volunteer their time to create "real world" scenarios for students. The team has received multiple district and regional honors and is a 6-time FIRST World Championship Qualifier.





"It was one of the best opportunities I've ever had participating in the 'AWS re/Start program'. Working with incredible people everyday, I acquired new skills and broadened my knowledge. Most of all, it gave me high levels of self-confidence as I had been a stay home mom for a long time. Thank you NCI, Mr. Otano, and all of my classmates!!"

"Very Informative. Good realistic introduction to Bee Keeping." - Glenda Martin, LIFE participant

"New College Institute played a strong influence in my decision to pursue a masters degree from Radford University. The amenities and convenience of NCI have allowed me various supports that would not have been granted in a traditional online program. The NCI staff has been more than accommodating, eager to help and offer guidance. The New College Foundation also has been generous in awarding scholarship assistance to reduce my college expenses during the second year of my program. I've been blessed with an extension of the Radford Campus through the services and support of the NCI staff."

-Brenell Thomas, Graduate, Radford University

- Rufina Kim, AWS Graduate

"Great introduction to Bassett Historical Center and its offerings. Great geneology tips for beginners." - Brenda Crawford, LIFE participant

"At a moment in my life when I was actively pursing a career change, New College Institute provided me with an opportunity to progress personally and professionally. The re/Start program has allowed me to lay a new foundation in my life that will support my goals for years to come."

- Blaine Aird, AWS Graduate

"I loved when NCI came to read to us and then gave us a new book. It was so kind! It was awesome!"

- Emery Taylor, Kindergartner, Reading for Life Program

"I cannot thank you enough for hosting Leading Ed Forum 2022. Your facility is wonderful but it is the people that make it amazing! I know Susan Clair from VDOE echoes my thank you... she was so impressed with the venue and all that you are doing to support your stakeholders."

- Karen Richardson, Executive Director (former), VSTE (Virginia Society for Technology in Education)

"I am just writing this email to let you know that the cyber camp is exceptionally well organized. This is a great initiative. My son Yash likes it a lot."

- Venu Konduro, Parent, CyberPatriot CyberCamp

"Thanks so much for the solar powered car!!! Luke loved building it and playing with it! Thank you all for supporting our kids!"
- Liz Motley, Pop-Up Summer Camp

"Thank you and your staff for all of the hard work last night. You were not only helpful, but your kindness was over the top. Our visit was pleasant and it was wonderful working with you. We look forward to returning to NCI soon."

- Debbie Peters, Sovah Health

"We have come to the end of an enjoyable training that has been in a family atmosphere for about 3 months. This training is not just an education for me, it is also a new beginning that makes me look forward to the future. Now I feel ready to work at Cloud. Thank you NCI, thank you AWS and thank you Professor Otano."

- Yasin Tasasiz, AWS Graduate





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