

Below is a sampling of employers partnered with NC New Schools for education innovation:

ABB	Interact	Oiles
Advanced Energy	IBM	Olde Lexington Products, Inc.
A.J. Fletcher Foundation	Ingersoll Rand	OutsourceIT
Arcadis	Interfaith Food Shuttle	Pink Culture Truck
Areva	IT-oLogy	Pfizer
Army Research Office (ARO)	JLA Global	Piedmont Natural Gas
Avoca, Inc.	Kenan Fellows Program	Plygem
Babcock & Wilcox Company	Kineticos	Polymers Center of Excellence
BASF	Kryosphere	PPD
Bayer CropScience	Lexington Medical Center	PREP (Prequalified Ready Employees for Power)
BD Technologies	Livingston and Haven	Quintiles
BB&T	Lenovo	Red Hat
Biogen Idec	Logical Advantage	Region Q Workforce Development Board
Blue Cross Blue Shield NC	LORD Corporation	Research Triangle Regional Partnership
Capital Area Workforce Development Board	NAV-AIR	RTI
Capitol Broadcasting	National Institute for Environmental Health Sciences	SAS
Caterpillar, Inc.	NC AHEC	S&D Coffee
Center for Global Logistics, UNC Greensboro	NC Association for Biomedical Research	SCANA Corporation
Centralina Workforce Development Board	NC BIO	Schneider Electric
Charlotte Works	NC Biotechnology Center	Siemens Energy, Inc.
Cisco Systems	NC Department of Public Instruction	Small Footprint
Coca-Cola Bottling Co. Consolidated	NC Division of Water Resources	STEM East
Dewberry	NC Electric Cooperatives	Syngenta Biotechnology Inc.
Dominion North Carolina Power	NC Farm Bureau	Thomasville Medical Center
DSM (Patheon)	NC Green Power	Timco Aviation Services
Duke Energy	NC Military Foundation	Triangle Ecycling
Duke Medicine	NC Research Campus	Turbomeca Manufacturing
ElectriCities of North Carolina	NC Science, Mathematics and Technology Education Center	U.S. Environmental Protection Agency
Environmental Protection Agency	NC Space Grant	V.A. Medical Center-Durham
Experis Engineering	NetApp	Wake Forest Baptist Medical Center
Fidelity Investments	Northwest Piedmont Workforce Development Board	Wake Forest Institute for Regenerative Medicine
Fleet Readiness Center-East	Novant Health	WakeMed Health and Hospitals
GE Power & Water	Novo Nordisk Pharmaceutical Industries, Inc	WebAssign
GSK	Novozymes	West Pharmaceutical Services
Golden LEAF Foundation	Nucor	Xceldyne
Goodrich	Nuvotronics	
HQ Raleigh		

For more information or to join NC New Schools as a partner in preparing all students for success after graduation, email partnerships@ncnewschools.org.



View a video about the impact of work-based experiences on teaching and learning by scanning this QR code.



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IN PARTNERSHIP WITH:



NORTH CAROLINA
NEW SCHOOLS

The Power of School-Industry Partnerships



Teachers participating in a
STEM Field Experience at GSK

RELEVANT LEARNING + WORK EXPERIENCE = CAREER READINESS

NC New Schools fosters school and industry partnerships across the state to create industry-based **professional development opportunities for teachers**, provide **career-relevant learning experiences for students** and channel the energy and expertise of industry leaders.

Global corporations, regional businesses and entrepreneurial ventures alike demand employees with 21st century skills – and North Carolina’s changing economy needs them to thrive. Schools, employers and higher education institutions must join forces like never before to prepare all students for life after high school, whether that means employment, college or other post-secondary opportunities.

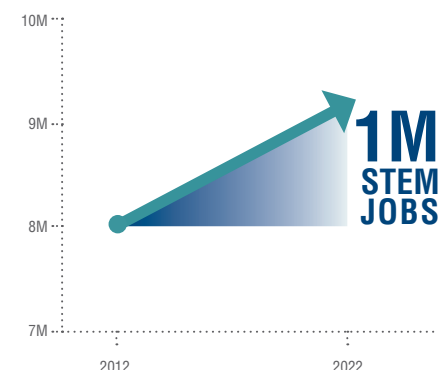
NC New Schools builds powerful linkages among multi-sector partners and provides the tools and training for high-impact collaboration.



BLAME THE SKILLS GAP FOR PREVENTING THEM FROM FILLING ENTRY LEVEL JOBS
- The McKinsey Report, 2012 -

“Students at schools partnering with North Carolina New Schools have higher graduation rates and lower dropout rates. **These schools make a real difference for the future of their students.**”

» Mary Linda Andrews, GSK's director of community partnerships and member of the NC New Schools Board of Advisors



EMPLOYMENT IN OCCUPATIONS RELATED TO STEM – SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS – IS PROJECTED TO GROW TO MORE THAN 9 MILLION BETWEEN 2012 AND 2022. THAT’S AN INCREASE OF ABOUT **1 MILLION JOBS** OVER 2012 EMPLOYMENT LEVELS.

- US Bureau of Labor Statistics, Spring 2014 -

“It was good to see that what I’m trying to do in my classroom is actually the same things they’re doing in these research labs. We had a really good opportunity to actually go view what Syngenta does, from research and development and field trials all the way through the product production. I’m trying to give students the kind of **experiences they need to be successful when they go to college.**”

» Bruce Boller, teacher at Bertie Early College High School and teacher resident at Syngenta

GET INVOLVED

EDUCATOR INDUSTRY-BASED EXPERIENCES



Connecting educators directly with industry professionals helps teachers integrate career relevance into their classrooms. Business leaders host industry immersion experiences, engaging teachers in **hands-on activities through externships and site visits**. They also engage with teachers through roundtable discussions, statewide conferences and school-based workshops to identify workforce skills and career pathways expected for today’s graduates.

“After spending the last 30 years working in schools, I was finally able to answer this question today: ‘*When will I ever use this?*’ It was great to hear slope, derivatives, and Y intercept in the real world and also **see the engineering design process in practice.**”

» Kevin Smith, Duplin County Schools administrator, after participating in STEM Day at Caterpillar (CAT)

- Paid Externships
- Conference/School-Based Workshops
- Industry Immersion Days
- Lesson Co-Teaching

STUDENT WORK-BASED EXPERIENCES



Industry professionals provide students with **critical skills development** and career exposure by offering work-based learning opportunities, serving as classroom advisors and participating in industry education events. These experiences introduce students to the world beyond school and provide critical relevance for students who might otherwise lose interest in learning.

“The internship at North Carolina Specialty Hospital made me realize that I’m definitely interested in a career as a surgeon. Of all the experiences I’ve had at City of Medicine Academy, this was the most motivating. **I got to see work that really interested me.**”

» Amayrani Calvario, student at Durham’s City of Medicine Academy

- Job Shadowing
- Field Studies
- Classroom Coaching
- Student Internships

SCHOOL & DISTRICT SUPPORT



Industry partners help scale innovation by joining local school advisory boards and regional Industry Innovation Councils. The councils convene more than 75 companies and organizations to develop model approaches to education-industry partnerships and to advocate for public and private strategic investment in education innovation.

“The new energy economy demands skills that were not attainable, or even known, a generation ago. Our shared success depends on introducing energy concepts and related skills to students early in their education that will enable them to **solve tomorrow’s energy challenges.**”

» Jeff Corbett, senior vice president of Duke Energy Carolinas

- Industry Innovation Council
- School Business Advisory Council
- School-Industry Liaison
- Financial Investment