



The Academy of Biomedical Science at Southeast Raleigh Magnet High School is continually looking for business partners to help bridge the gap between education and industry. This partnership can exist in many forms where the company can provide: industry tours (field trips), job shadowing, discussion panel, classroom guest speakers, mock interviewers, internships, mentorships, monetary donations, advisory board support and/or equipment & supplies donations.



Wake County Public School System

The largest school system in state of North Carolina, 16th
 Largest school system in the nation
 Operating budget \$1.55B
 >160,000 students (avg 62 families move to Wake County per day)
 183 schools, 30 High School, 5 Early College High Schools
 18 Distinct Career Academies, 15 are STEM related

Career Academies in Wake County

Focus-career themes w/support from Industry & Institution
 partners/community

Began in mid-1990's

Students experience the following work-based learning activities:

- Career Fairs
- Career themed industry tours
- Job shadowing
- Internships (135 hours required for certificate)
- Soft skills



• 1997 •

Southeast Raleigh Magnet High School

Founded 1997 with theme of Leadership and Technology
 ~1600 students grades 9-12
 Modified calendar track (similar to college calendar)
 High Minority, diverse population
 Award winning and nationally recognized
 National & State champion FIRST Robotics team "Robodogs"
 State Recognized-Outstanding HOSA Chapter
 Excellent Performing and Visual arts programs

Academy of Biomedical Science

PLTW Biomedical Science is a sequence of courses, which follows a proven hands-one, real-world problem-solving approach to learning. Students explore the concepts of human medicine and are introduced to topics such as physiology, genetics, microbiology and public health. Through activities like dissecting a heart, students examine the processes, structures and interactions of the human body- often playing the role of biomedical professional. They also explore the prevention, diagnosis and treatment of disease, working collaboratively to investigate and designed innovative solutions to the health challenges of the 21st century such as fighting cancer with nanotechnology.

PLTW Courses: Principles of Biomedical Science, Human Body Systems, Medical Interventions, and Biomedical Innovation.

AOBS students gain critical career knowledge through a series of work-based learning activities both inside and outside of the classroom. These include job shadowing events, mock interviews, résumé writing workshops, and the culminating experience—an internship.



	AOBS	School	WCPSS
Male	17/17%	51%	51%
Female	86/83%	49%	49%
Black	77/75%	68%	24%
White	12/12%	9%	46%
Hispanic	12/12%	23%	19%
Asian	0	1%	7%
Multiple or Other	3/1%	2%	4%

Benefits to Partners

- Influences next gen STEM professionals to consider your brand
- Give your employees a greater sense of purpose
- Public relations benefit
- Gain insights to the thought patterns of the next generation
- Use of the WCPSS Career Academy brand for recruitment
- Giving back to Minority communities
- Insights from School administrators
- Planting seeds for future “home grown” talent
- Make early, lasting impressions on future tech professionals
- Opportunities for your employees to give back
- Positive impression on local community and government
- Satisfy corporate goals for community involvement, helping those less fortunate

2018 Academy Graduates went to:

- Carleton College
- East Carolina University
- NC A&T University
- NC State University
- Queens College
- University of NC – Chapel Hill
- University of NC – Charlotte
- University of NC - Greensboro
- Wake Technical College
- Winston Salem State University

Academies Business Partners:

Lenovo	MetLife
Cisco	NCSU
City of Raleigh	Verizon
Extreme Networks	Parata
Plexus	CRB
NC DOT	IBM
NCCU BRITE	Biogen
Johnston Health	Eaton Corp
NCCU Fab Lab	District C
Smith Sinnett Architecture	
NC Museum of Natural Sciences	
Junior Achievement of Eastern NC	

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