



Research Triangle High School

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OUR STUDENTS

Fall 2019 Enrollment: 563

Senior Class: 125

Diversity

Caucasian: 49.3%

African American: 14.9%

Asian: 17.2%

Latino: 10.1%

Multiracial: 8.2%

OUR FACULTY

Teaching Faculty Members: 36

Masters Degree or Higher: 28

Ten or more years of experience: 22

National Board Certification: 4

Presidential Award for Excellence in Mathematics and Science Teaching

Winners: 1

Piedmont Laureate Winner: 1

NC Teaching Fellows: 4



ABOUT US

Research Triangle High School (RTHS) is an independent public charter STEM high school. We provide the tools and develop a capacity for students to intentionally determine their futures. Our mission is to increase access to globally competitive STEM education for students and teachers across North Carolina by incubating, proving and scaling innovative models of teaching and learning.

We do school differently. As a Personalized Learning school, we blend content learning, projects and mentoring- and bring cutting-edge research and STEM resources from RTP companies into our curriculum. We are the first fully-flipped school in North Carolina and our flipped classrooms mix teacher-created lessons with curated content from around the world. In-class time is spent developing student ownership and knowledge.

We ask a lot of our students. All students are moved through a rigorous, hands-on, college preparatory curriculum and given the support they need to reach their highest potential. As a result, our graduates are independent learners and critical thinkers, primed for college completion and careers in places like RTP.

EXPERIENCE

The Arts

Drama: RTHS presents four full productions, a season of comedy improv, and a 48-hour film festival. Drama students scripts have received honors, including KidsWrite, Burning Coal Theater Company, and NCTAE Playworks.

Visual Arts: Students experience an array of media in arts education from traditional to digital, including an art makerspace.

Music: Digital Music Creation combines the new technologies of precise mobile recording with the traditional core concepts of classical composition.

Clubs and Student Organizations

Over 25 student clubs, including Science Olympiad, Robotics, Model UN, Student Council, Speech & Debate, Girl Up, and Anime Club.

Internships

Four students interned at Liquidia Technologies.

Nine RTHS students researched genetically modified algae and systems for producing biofuels at NCSU and presented their findings at a symposium for college science students.



GRADUATION REQUIREMENTS

- 4 Math credits
- 4 English credits
- 4 Social Studies credits
- 4 Science credits, including Physics
- 1 Healthful Living credit
- 2 Foreign Language credits
- 2 Elective credits

Total Minimum Credits to Graduate=23

GRADING SCALE

90-100	A
80-89	B
70-79	C
60-69	D
59-0	F

AP Courses are awarded one additional quality point and honors courses are awarded one-half additional quality point.

STUDENT GRADE DISTRIBUTION

Class of 2019 Unweighted GPA distribution

4.0	22
3.5-3.99	60
3.0-3.49	33
2.5-2.99	7
0-2.5	3

AVERAGE ACT SCORE

93.8% met NC benchmark (Composite 17)

AP SCORES

79.9% with scores of 3+

COURSE OFFERINGS

English

- English I, II, III, IV (including Honors)
- AP Language and Composition
- AP Literature and Composition

History

- World History (including Honors)
- AP World History American History I, II (including Honors)
- AP US History
- Civics & Economics (including Research Focus) College Level Civics & Economics (designed to largely mirror the curriculum of AP U.S. Government and Politics)
- AP European History

Science

- Biology (including Honors and Investigative)
- Chemistry (including Honors and Investigative)
- Earth and Environmental Science (including Honors)
- AP Environmental Science
- Physics (including Honors)
- AP Physics 1
- AP Physics CAP Biology
- AP Chemistry
- Forensic Science
- Anatomy and Physiology
- Marine Ecology
- Biotechnology
- Zoology
- Advanced Research

Mathematics

- NC Math 1, 2, 3 (including Honors)
- Pre-Calculus (including Honors)
- Advanced Functions and Modeling
- Introduction to Calculus and Statistics
- AP Calculus AB
- AP Calculus BC
- AP Statistics
- Calculus III

World Languages

- Spanish I, II, III, IV (including Honors)
- AP Spanish Language and Culture
- Spanish for Native Speakers
- Latin I, II, III AP Latin*Level III, IV, and AP language courses are available only to select students due to limited available options*



COURSE OFFERINGS CONTINUED

Academic Electives

AP Computer Science

AP Psychology

Art I, II, III (Honors), IV (Honors)

Art MakersSpace

AP Studio Art

Creative Writing

District C (designed for students to engage in solving authentic problems sources from our school and local business partners)

Drama I, II, III (Honors), IV (Honors)

Mass Media

Digital Music Creation I, II, III (Honors)

Engineering Computing Systems

Engineering Disasters

Yearbook I, II, III

Speech Communication and Debate I, II

Technical Theatre

Video Production I, II, III (Honors)



ATHLETICS

The Research Triangle Raptors compete in the 1A classification of the North Carolina High School Athletic Association (NCHSAA). We are members of the Central Tar Heel Conference (CTHC), a conference of eight schools in Wake, Durham, Alamance, Guilford, and Chatham Counties. In 2018-19, 180 RTHS students (32% of the student body) participated in at least one sport.

Approximately 2/3 of our student-athletes earned scholar-athlete distinction (3.5 weighted grade point average) from the NCHSAA, and eleven of our seventeen teams earned Team Scholar-athlete distinction (cumulative 3.1 unweighted GPA).





2019 RTHS COLLEGE ADMISSION AND MATRICULATION

The 118 members of the RTHS Class of 2019 received offers of admission from 100 four-year colleges and universities in 26 states and Washington, DC. They chose to attend 33 different schools in 11 states. Bold indicates matriculation to that university. An asterisk (*) indicates matriculation of more than one student.

American Musical and Dramatic Academy
 American University of Beirut
 Appalachian State University*
 Arizona State University
 Averett University
 Barton College
 Bates College
 Belmont Abbey College
 Bethune-Cookman University
 Campbell University
 Carson-Newman University
 Clemson University
 Coker College
 College of Charleston
 College of William & Mary
 Colorado School of Mines
 Colorado State University
 Columbia College Chicago
 Davidson College
 Drexel University
 Duke University*
 East Carolina University*
 Elizabeth City State University
 Elon University
 Embry-Riddle Aeronautical University
 Fashion Institute of Technology
 Ferrum College
 Furman University
 Gardner Webb University
 George Mason University
 George Washington University
 Goucher College*
 Guilford College
 High Point University
 Hollins University
 Johnson C. Smith University
 Kalamazoo College
 Kennesaw State University
 Lenoir Rhyne University
 LIM College
 Louisburg College
 Louisiana State University
 Mars Hill University
 Massachusetts College of Art and Design

McDaniel College
 Meredith College*
 Methodist University
 Miami University- Oxford
 Morehouse College
 North Carolina A&T University
 North Carolina Central University
 North Carolina School of the Arts
 North Carolina State University*
 Notre Dame University- Lebanon
 Penn State University
 Plymouth State University
 Purdue University
 Queens University of Charlotte*
 Radford University
 Rensselaer Polytechnic Institute
 Rochester Institute of Technology
 Roosevelt University
 Saint Mary's College of California
 Salem College
 Savannah College of Art and Design
 School of the Art Institute of Chicago
 Seton Hall University
 Shaw University
 St. Andrews University
 The Ohio State University
 The University of Arizona
 The University of the South: Sewanee
 Tulane University
 University of Colorado- Boulder
 University of Denver
 University of Georgia
 University of Maryland- Baltimore County
 University of North Carolina- Asheville*
 University of North Carolina- Chapel Hill*
 University of North Carolina- Charlotte*
 University of North Carolina- Greensboro*
 University of North Carolina- Wilmington*
 University of Rhode Island
 University of Richmond
 University of South Carolina
 University of Tennessee- Knoxville
 University of Texas- Austin
 University of Vermont

University of Washington
 University of Washington- Bothell
 Virginia Commonwealth University
 Virginia Polytechnic Institute and State University
 Wake Forest University
 Western Carolina University
 Wichita State University
 William Peace University*
 Wingate University
 Winston Salem State University
 Worcester Polytechnic Institute
 Xavier University

