



# RESEARCH TRIANGLE HIGH SCHOOL

Postal Address: P.O. Box 13453 Research Triangle Park, NC 27709  
3106 Hwy. 54, Research Triangle Park, NC 27709  
CEEB Code: 343289  
Eric Grunden, Chief School Officer

Office: 919-998-6757 Fax: 919-998-3402  
[www.researchtrianglehighschool.org](http://www.researchtrianglehighschool.org)

Nan Danehower, Dean of Curriculum & Instruction

Sarah Overman, Director of College Advising  
Becca Haque, Associate Director of College Advising  
Yolanda LeMay, School Counselor  
Kristen Cook, School Counselor

[soverman@rthighschool.org](mailto:soverman@rthighschool.org)  
[bhaque@rthighschool.org](mailto:bhaque@rthighschool.org)  
[ylemay@rthighschool.org](mailto:ylemay@rthighschool.org)  
[kcook@rthighschool.org](mailto:kcook@rthighschool.org)

## OUR STUDENTS

Fall 2018 Enrollment	560
Senior Class	116

### Diversity

Caucasian	51.6%
African American	18%
Asian	13.9%
Latino	9.6%
Multiracial	6.5%

Represents 11 counties and 63 middle schools in NC

## OUR FACULTY

Teaching Faculty Members	39
Masters Degree or Higher	28
Ten or more years of experience	22
National Board Certification	5
Presidential Award for Excellence in Mathematics and Science Teaching winners	1
NC Teaching Fellows	4
NC Charter School Teacher of the Year	1

## ABOUT US

Research Triangle High School (RTHS) is committed to preparing graduates who are ready for college, are independent learners and critical thinkers, and are primed for careers in places like Research Triangle Park. RTHS strives to instill skills designed to create lifelong learners.

- RTHS is the first fully flipped school in North Carolina and the first school to push blended learning into mastery learning with playlists of self-directed material.
- Flipped classrooms mix teacher-created lessons with curated content from around the world. In-class time is spent developing student ownership of knowledge, rather than simple acquisition of knowledge.
- RTHS creates experiential learning by blending course content with cutting-edge research and STEM resources from RTP companies and universities: Syngenta, DOT, Liquidia, SAS, NetApp, Duke and NCSU, Burning Coal Theater and more.
- RTHS moves all students through a rigorous, hands-on, college preparatory curriculum.

## HIGHLIGHTS

### Arts

- Drama: RTHS presents three student productions annually in a state-of-the-art black box theater. 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.
- 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 Robotics, Speech and Debate, Student Government, Start-Up Ventures, Filmmaking club, and Raptor Radio.

### 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.



## STUDENT GRADE DISTRIBUTION\*

Class of 2018 **Unweighted** GPA distribution

GPA	Number of Students
4.0	13
3.5-3.99	43
3.0-3.49	31
2.5-2.99	19
0-2.5	10

\* We do not rank our students.

## GRADING SCALE

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

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

## GRADUATION REQUIREMENTS

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

Total Minimum Credits to Graduate= 23



## AVERAGE ACT® SCORES

92.6% met NC benchmark (Composite 17)

## ADVANCED PLACEMENT ® SCORES

83.8% with scores of 3+

## 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 2017-18, 152 RTHS students (30% 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 ten of our teams earned team scholar-athlete distinction (cumulative 3.1 unweighted GPA).

### Fall Sports

Boys' Cross Country: 1A State Runners-Up - 2013, 2014, 2015; Conference Champions - 2014  
Girls' Cross Country: 1A State 4th Place - 2017; Conference Champions - 2017  
Boys' Soccer: State Playoffs - 2014, 2015, 2016, 2017; Conference Champions - 2017  
Girls' Golf  
Girls' Tennis  
Volleyball: State Playoffs - 2015

### Winter Sports

Boys' Basketball: State Playoffs - 2016, 2017, 2018; Conference Champions, 2018  
Girls' Basketball  
Boys' Swimming  
Girls' Swimming  
Boys' Indoor Track & Field  
Girls' Indoor Track & Field

### Spring Sports

Boys' Golf  
Girls' Soccer: State Playoffs - 2015, 2016, 2017, 2018  
Boys' Tennis: State Playoffs 2017, 2018; State Quarter Finalists, 2018; Finished 2018 ranked #8 in 1A  
Boys' Track and Field: 1A State Meet 3rd Place - 2015, State Champion 4x800 Relay Squad - 2015 Conference Champions - 2016, 2017, 2018  
Girls' Track and Field: 1A State Runners-Up - 2018; Conference Champions - 2016, 2018

## COURSE OFFERINGS

RTHS offers 16 AP courses and 20 Honors courses.

### 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

### Computer Science

AP Computer Science  
Engineering Computing Systems  
Engineering Disasters

### Science

Biology (including Honors)  
Chemistry (including Honors)  
Environmental Science (including Honors)  
Physics (including Honors)  
AP Environmental Science  
AP Chemistry  
AP Biology  
AP Physics

### Electives

Anatomy and Physiology  
Marine Ecology  
Microbiology  
Biotechnology  
Zoology  
Health and Physical Education

### Social Studies

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

### Electives

AP Psychology

### World Languages

Spanish I, II, III, IV (including Honors)  
AP Spanish  
German I, II, III, IV  
Latin I, II, III

### Fine Arts

Art I, II, III (Honors)  
Digital Art I  
AP Studio Art  
Drama I, II, III (Honors)  
Senior Arts Lab (Interdisciplinary Honors Fine Arts)  
Video Productions I, II  
Digital Music Creation I, II, III

### English

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

### Electives

Publications I, II  
Speech and Debate I, II  
Creative Writing I, II



# Class of 2018 Acceptances

Appalachian State University  
Averett University  
Baylor University  
Brevard University  
Brigham Young University  
Campbell University  
Catawba College  
City College of New York  
Clemson University  
College of the Atlantic  
College of William and Mary  
Colorado School of Mines  
Columbia University  
Duke University  
East Carolina University  
Elon University  
Embry-Riddle Aeronautical University  
Emory University  
Fairleigh Dickinson University  
Ferrum College  
Furman University  
Georgia Institute of Technology  
Green Mountain College  
Greensboro College  
Guilford College  
Hampton University  
High Point University  
Howard University  
Johns Hopkins University  
Louisiana State University  
Meredith College  
Mississippi State University  
New York University  
North Carolina A&T University  
North Carolina Central University  
North Carolina State University  
North Carolina Wesleyan College  
Pennsylvania State University  
Pratt Institute  
Princeton University  
Rice University  
Roanoke College  
Rochester Institute of Technology  
Shaw University  
St. Andrew's University  
Texas A&M University  
The George Washington University  
The King's College  
The University of Alabama in Huntsville  
The University of Arizona  
Tulane University  
University of Georgia  
University of Lynchburg

University of Maryland, Baltimore County  
University of Massachusetts, Amherst  
University of Minnesota, Twin Cities  
University of North Carolina at Asheville  
University of North Carolina at Chapel Hill  
University of North Carolina at Charlotte  
University of North Carolina at Greensboro  
University of North Carolina at Pembroke  
University of North Carolina at Wilmington  
University of North Carolina School of the Arts  
University of Pittsburgh  
University of Rochester  
University of South Carolina  
Virginia Commonwealth University  
Virginia Military Institute  
Virginia Tech  
Wake Forest University  
Warren Wilson College  
Western Carolina University  
William Peace University  
Worcester Polytechnic Institute  
Xavier University  
Yale University

