

PPO Meeting

February 11, 2020

- **Updates**
- **College Admissions Trends**



Campus Updates

Russell Davis

Principal

BCA Events



**Attorney General
Gurbir Grewal**

International Day of Acceptance

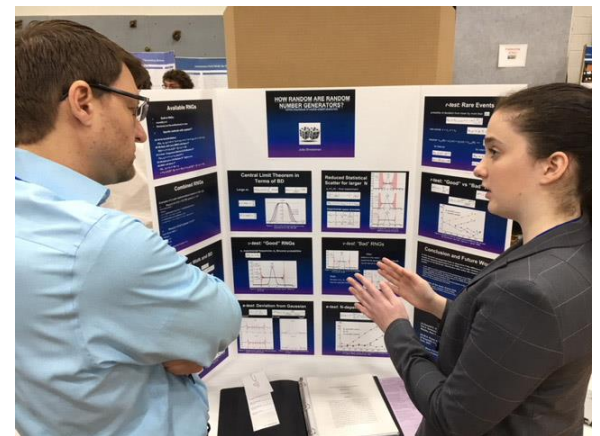
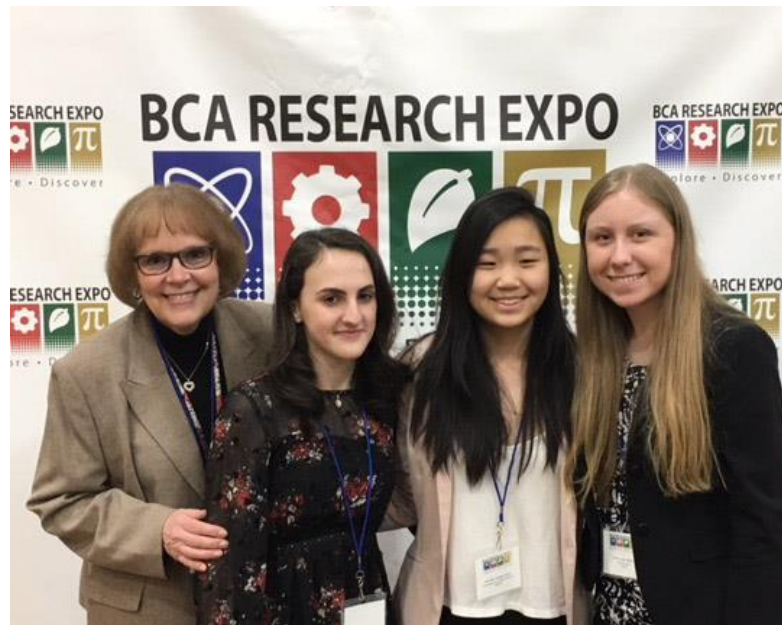
BCA Events



BCA Flash for Middle Schoolers

BCA Events





Upcoming Student Wellness Activities



March 3rd

Green Ribbon Day

- 40 Invited speakers Workshops on Wellness & Mental Health

All School Assembly – Angst
“Our goal specifically is to help people identify and understand the symptoms of anxiety and encourage them to reach out for help.”

BCA “Model of Excellence” Visits

- **Cliffside Park Schools**
- **Union City Schools**
- **Cherry Hill Schools**
- **Korean Educators**
- **UnCommon Schools**
- **Wall Twp. Schools**

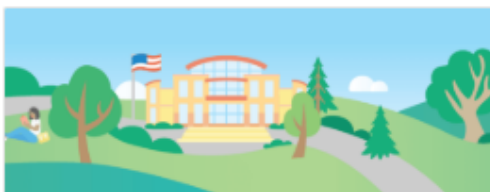




Bergen County Academies Rankings

Niche rankings are based on rigorous analysis of data and reviews. [Read more about how we calculate our rankings.](#)

New Jersey



Best Public High Schools in
New Jersey

#1 of 411



Best College Prep Public High
Schools in New Jersey

#1 of 400



Best Magnet High Schools in
New Jersey

#1 of 31

National



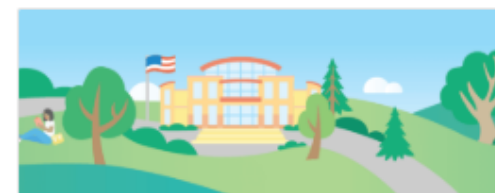
Best College Prep Public High
Schools in America

#4 of 16,801



Best Magnet High Schools in
America

#4 of 812



Best Public High Schools in
America

#5 of 19,314

Opportunities

[HOME](#)[ABOUT US](#)[BCA CALENDAR](#)[STUDENTS](#)[PARENTS](#)[COUNSELING](#)[DIRECTIONS](#)[ATHLETICS](#)[HIB](#)[SAFETY LETTER](#)

The Bergen County Academies (BCA), is a free public magnet high school of choice for Bergen County residents located on the Dr. John Grieco Campus in Hackensack, New Jersey. The school offers seven specialized programs in the areas of mathematics and science, engineering and design, medical science, business and finance, culinary arts and hospitality administration, visual and performing arts, and technology and computer science.

Newsflash



Congratulations to our Two 2020 Regeneron Finalists

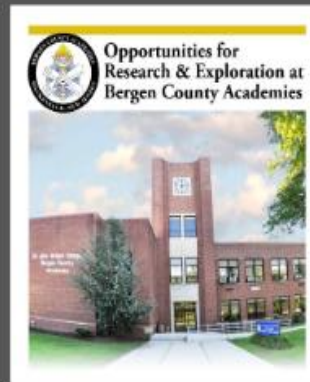
Olivia Krivitsky, Age: 17
Project Title: Ketones: Novel Treatment for Aberrant Conditions in the Diabetic Eye

Anaiah Thomas, Age: 18

Project Title: The Manipulation of Natural Killer Cell Phenotype and Function using Sacromal Fibroblast-Like Synoviocytes *in vitro*

- Congratulations to our Eleven 2020 Regeneron Scholars
- Ranked the #1 Best Public High School in New Jersey by Niche
- Ranked the #5 Best Public High School in America by Niche
- Yearbooks are not just for Seniors! Have a remembrance of your years at BCA. [Order your copy online today.](#)

BCA ABOUT US



BCA Research & Exploration exposes students to scientific inquiry, research and instrumentation, and to provide transferable, firsthand experiences with the techniques, practices and perspectives of professionals. By expanding the capabilities and context of secondary education, we believe that students will be better equipped for, and more likely to pursue leadership positions in research and global-scale problem solving.



An educational model that prepares students to live, work, and lead in a global community

From the Principal's Desk



On behalf of our administration, faculty and staff, I warmly welcome you to the Bergen County Academies. We are proud to be recognized as one of the "Top High Schools" in the nation. Our unique school community continues to build a tradition of excellence based on providing students with the skills

needed for success in college and beyond. We offer tremendous opportunities for students to discover their passion and pursue their dreams. From rigorous academics to in-house scientific research and our exceptional arts and athletics programs we believe we have something for everyone. As always, we are committed to helping students become lifelong learners as well as productive global citizens.

Thank you for choosing BCA!

Russell Davis, Principal
rusdav@bergen.org
[Twitter@DavisBCA](https://twitter.com/DavisBCA)

Electives, Projects & Clubs

- 96 Distinct Electives
- 64 Distinct Projects
- 47 Wednesday Clubs
- 62 Morning Clubs

	Tri 1	Tri 2	Tri 3
Electives	78	74	75
Projects	37	32	34

Research & Exploration at @ BCA

Science

- Agriscience
- Chemistry/Nanotechnology
- Laboratory of Cell Biology
- Nano-Structural Imaging Lab
- Biotech Research
- Physics/Optics Research
- Stem Cell Research

The Arts

- Instrumental Productions
- Theatre Productions

Engineering

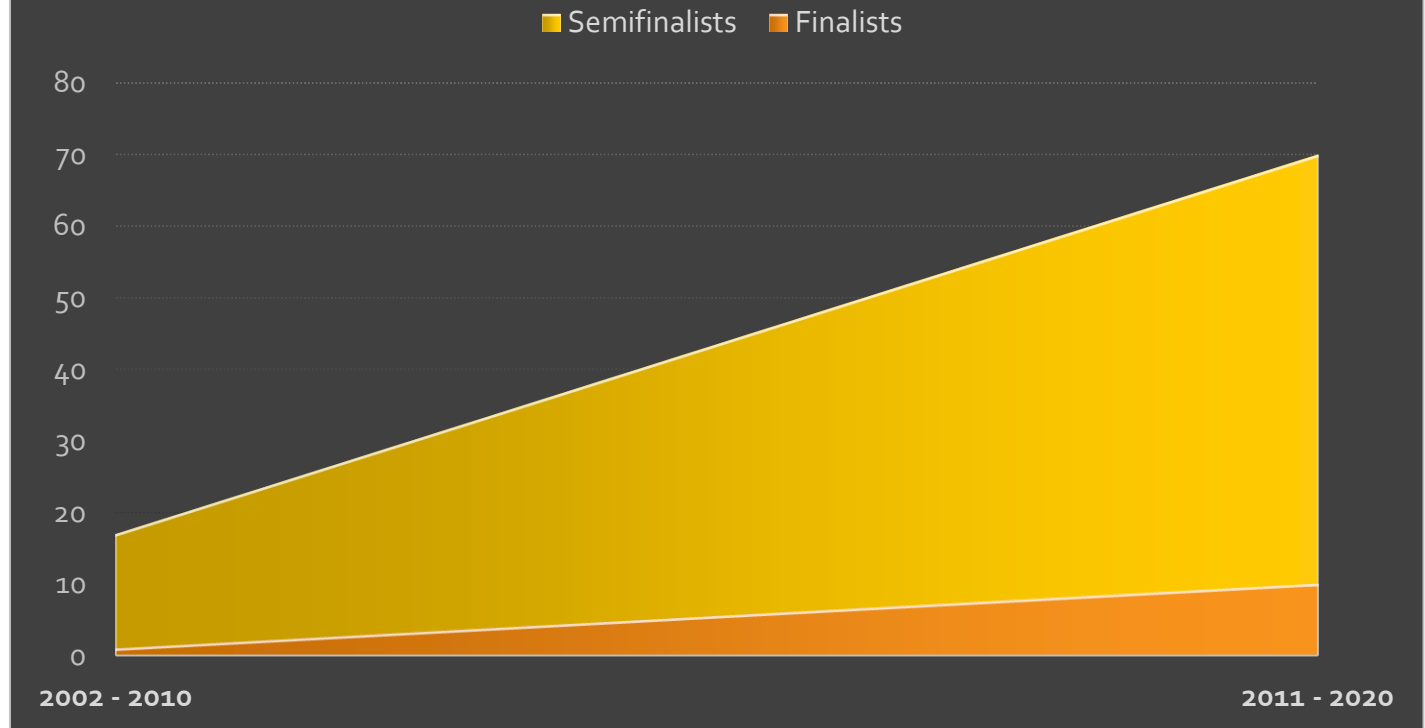
- Electrical Engineering Research
- Mechatronics Research Lab

Business, Computer Science, English, Math

- Applied Web Development
- BCA Active Floor
- Bloomberg Certification
- Creative Writing
- Math Research

BCA Research

Intel / Regeneron Results



	Semifinalists	Finalists
2002 - 2010	17	1
2011 - 2020	70	10



**We are continuing to grow our
research opportunities ...**



New Partnership with Englewood Medical Center and the National Cancer Institute

**“identifying genetic and metabolic markers
that could be used to better diagnose, stage and
predict prognosis for various diseases...”**

Thomas Ried, M.D.



Senior Investigator

Genetics Branch

Head, Cancer Genomics Section

Dr. Ried pioneered the development of molecular cytogenetic techniques, including spectral karyotyping (SKY) and their applications to understanding the dynamics of genomic alterations during the development of solid tumors, with an emphasis on breast, cervical and colorectal carcinomas.


His efforts include the development of relevant experimental models to study the effects of genomic instability and chromosomal aneuploidy on the transcriptional equilibrium of cancer cells, and to correlate such aberration to the organization of the cell nucleus. A specific goal is to understand how tumor heterogeneity influences disease progression. Dr. Ried's laboratory also has a strong commitment to translate their basic research findings to improve early cancer detection, prognostication, and treatment.

Areas of Expertise

- 1) molecular cytogenetics, 2) chromosomal instability, 3) cervical cancer,
- 4) colorectal cancer, 5) gene expression

CONTACT INFO

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National Cancer Institute
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Bethesda, MD 20892-8010
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riedt@mail.nih.gov




**What are we doing
to promote wellness?**

Meeting with schools with students like ours



- Thomas Jefferson - 7 classes plus activity period
- Bronx Science – 5 classes plus additional courses
- Biotech High School – 7 to 9 classes per year
- Illinois Math & Science (IMSA) – 8 classes
- BCA – 9 to 14 classes



Since reducing the number of classes a student can take at one time our Wellness Counselors noted a significant decrease in academic stress and anxiety related counseling sessions than in years past.

- **South Carolina Governor's School**



What are we doing to promote wellness?

**The same rigor and number of courses in a year
However, with less teachers per student per trimester**

**Current Schedule – 9 Core Teachers
Trimester / Full Year Courses**

**Proposed Schedule – 7 Core Teachers
Trimester / Semester / Full Year Courses**



Academic Ground Rules

- All announced assessments should be posted on Schoology
- No new assignments are to be posted for the next day after end of the current school day
- If a student has more than three assessments that count for 10% or more of the trimester grade on one day, they may reschedule to maintain a maximum of three
- Tests/quizzes should be graded and given back before a new test/quiz is administered
- Students or parents should email Ms. Pinke @ micpin@bergen.org with any concerns



Campus Safety

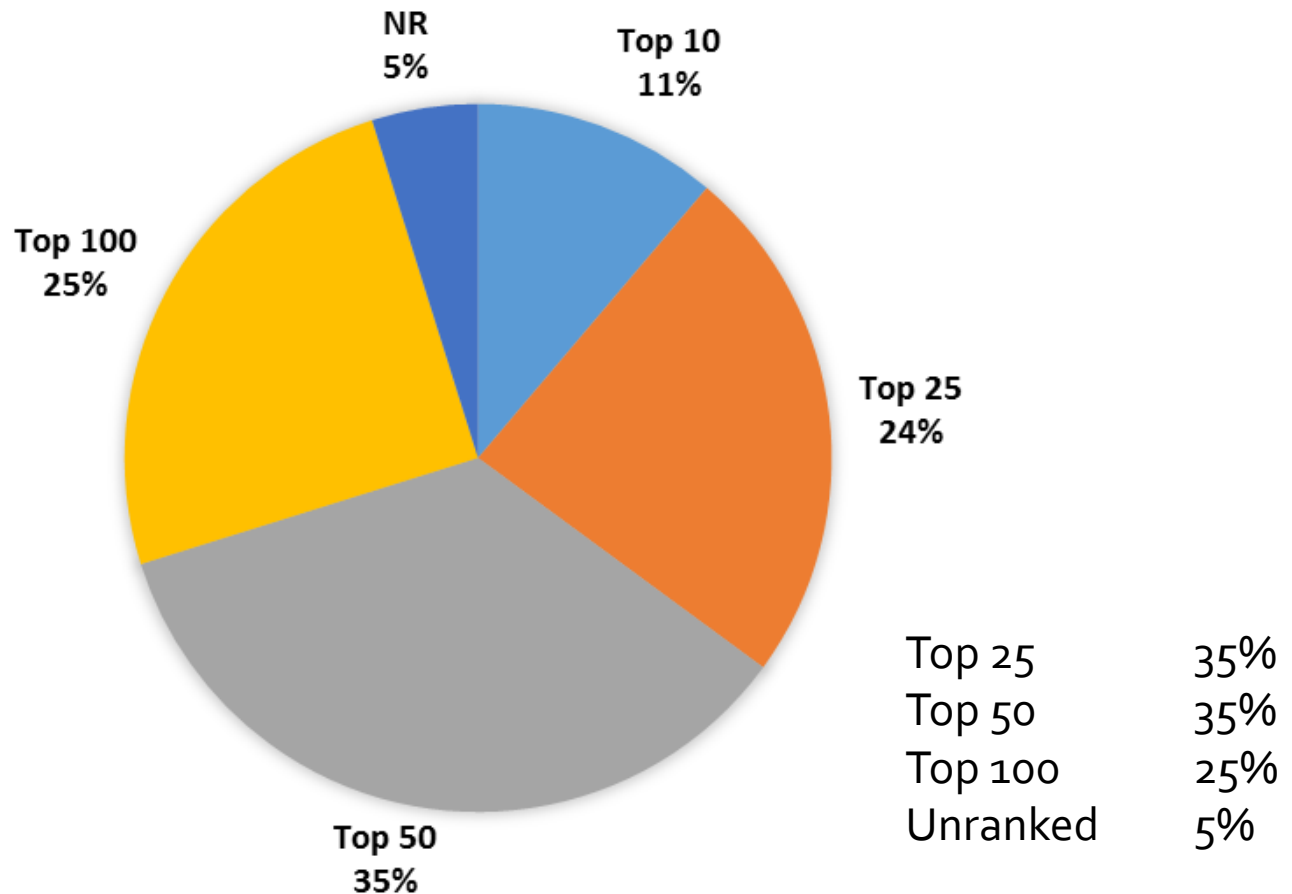
- **Students must wear their ID at all times.**
- **Students must not open outside doors.**
- **Visitors must use the front entrance.**



College & Career Updates

Paul Kaser
Lead Teacher

BCA CLASS OF 2019 COLLEGE ACCEPTANCES



**100% of our 2019 Graduates are accepted to the top 3%
of Colleges & Universities in the Nation***

****US News Rankings, Not including international schools***

College Admissions Trends

2020 Early-Round Admission Results Very Strong

At 19* of the most selective colleges that have early-accept programs (*US News* Top 20), for the Class of 2020 compared to Class of 2019

- **10** schools saw an **increase** in BCA admits
- **5** schools saw no change
- **4** schools saw a decrease
- *UCLA does not have early admissions*

Areas of Opportunity

BCA Students are *still* currently ***under-applying*** to:

- 1) Top liberal arts colleges (i.e. Amherst, Williams, Swarthmore, Bowdoin, etc.)
- 2) ED Round of selective non-Ivy colleges and universities (i.e. Duke, Wash U, Vanderbilt, Emory, etc.)
- 3) Top International Universities (first Oxford admit ever was two years ago, and we only average 1-3 applications per year)

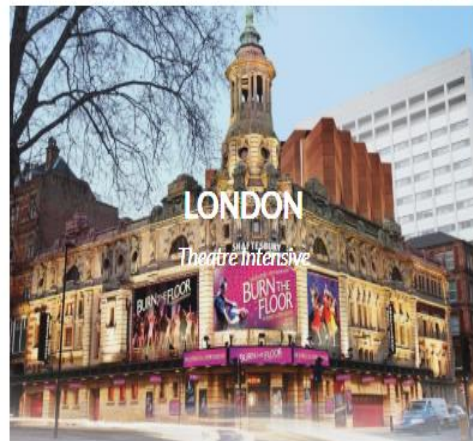
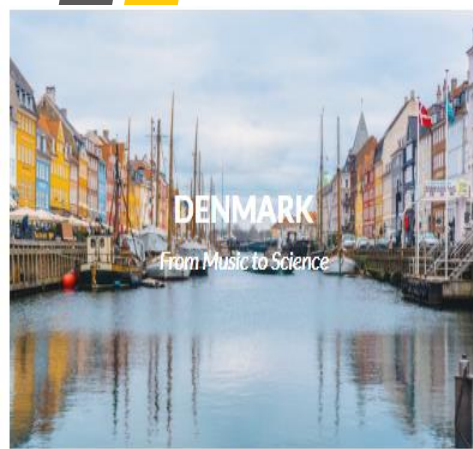
Strength of the BCA Brand

- BCA at the national and international level
- 2017: Moved to one Profile
- 2019: Moved to one CEEB
- Admissions Directors now attend our College Fair
- Counselor and administrator outreach
 - NCSSS
 - Universities

Counselor Visits 2020-21

- NACAC National College Admissions Conference
- Arizona State University
- Case Western Reserve
- College of the Atlantic
- Florida Atlantic / Wilkes Honors College
- George Mason
- NJIT
- NYU
- Sacred Heart
- University of Washington

BCA Global Studies





Questions?



Thank You