

2022 – 2023 Profile

BYRAM HILLS HIGH SCHOOL

U.S. Department of Education
High School of Excellence

12 Tripp Lane
Armonk, NY 10504-2511
Phone 914-273-9200 ~ Fax 914-730-0015

BlueRIBBON
School of Excellence

Ms. Kristina Wilson, Guidance Chairperson
Ms. Keara Hunt, Counselor
Ms. Laine Levenbrook, Counselor
Mr. Gary McCarthy, Counselor
Mr. Greg Quirolo, Counselor
Ms. Meaghan Williams, Counselor

Mr. Christopher Walsh, Principal
Ms. Lauren Albert, Assistant Principal
Mr. Benjamin August, Assistant Principal

CEEB/ACT Code: 330225

The Community

Byram Hills High School serves a community of approximately 12,300. This quiet suburban community, located 35 miles from NYC, has attracted a population of well-educated professionals. The excellent educational programs and services are evidence of the outstanding support of the community.

School Characteristics

- Four-year public high school
- Current Enrollment - 712
- Accredited by the New York State Department of Education
- Member of the Cum Laude Society
- Member of The College Board and the National Association of College Admissions Counselors
- Primarily college preparatory - 100% enroll in college after graduation

Test Results – Class of 2022

Mean Scores

| | |
|----------------------------------|-----|
| SAT Reasoning | |
| Evidence-Based Reading & Writing | 638 |
| Math | 644 |

ACT Composite = 29

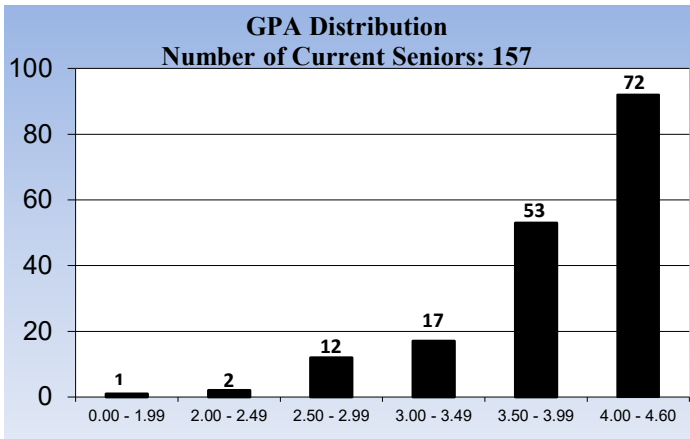
Graduation Requirements

| <u>Required Subjects</u> | <u>Credits</u> |
|--------------------------|----------------|
| English | 4 |
| Social Studies | 4 |
| Mathematics | 3 |
| Science | 3 |
| World Languages | 2 |
| Art and/or Music | 1 |
| Health | 0.5 |
| Physical Education | 2 |
| C.P.R. Certification | 0 |
| Electives | 3.5 |

National Merit Scholarship Program

| <u>Class</u> | <u>Finalists</u> | <u>Semifinalists</u> | <u>Commended</u> |
|--------------|------------------|----------------------|------------------|
| 2022 | 4 | 4 | 21 |

Byram Hills High School does not assign individual class rank to its seniors. The distribution of the sixth semester cumulative grade point averages for the class of 2023 is shown below. All courses except physical education are included in computing the grade point average. No grades are weighted in determining GPAs.



Authentic Science Research

- Regeneron Science Talent Search

| | <u>Top 300 Scholars</u> | <u>Finalists</u> |
|-------------|-------------------------|------------------|
| 2022 | 4 | 0 |
| 1991 – 2021 | 123 | 21 |

Class of 2022 Statistics

Number of Graduates: 194

97% attend: 4 year colleges

3% attend: 2 year colleges

| | | |
|-----------|--------------------------|-----|
| Location: | NYS | 23% |
| | Out of State | 77% |
| Control: | Public | 33% |
| | Private Colleges & Univ. | 67% |

Grade Information

| | Grading System | GPA Scale |
|----|----------------|-----------|
| A+ | 96-100 | 4.6 |
| A | 90-95 | 4.0 |
| B+ | 86-89 | 3.6 |
| B | 80-85 | 3.0 |
| C+ | 76-79 | 2.6 |
| C | 70-75 | 2.0 |
| D | 65-69 | 1.0 |
| F | 0-64 | 0 |

- Courses are NOT WEIGHTED in calculating GPA's.
- Byram Hills DOES NOT assign a rank in class. A graph showing GPA distribution is included on the profile
- COVID-19 exemptions for Regents Exams are indicated with the letter "E".

- All subjects except Physical Education are included in the calculation of the GPA.
- GPAs are calculated at the end of the junior year (6 semesters).
- Summer school grades are reported on the transcript and included in the GPA. Grades for repeated courses are also shown on the transcript and included in the GPA. (If a State Regents exam is retaken, only the highest score is reported).
- Failing grades remain on the transcript when the course is repeated.
- College letters of recommendation are confidential and are not shared with students or their families.

Special Course Descriptions

AP PROGRAM – Byram Hills High School has an exceptionally rigorous AP Program. Students are required to complete an application process and be recommended for the courses by the faculty. Selected students are not allowed to drop AP courses after the first quarter and all AP students are required to take the AP exam. We offer 24 AP courses: Language and Composition, Literature and Composition, United States History, United States Politics & Government, European History, World History, Human Geography, Statistics, Calculus AB & BC, Computer Science A, Computer Science Principles, Chemistry, Biology, Environmental Science, Spanish Language and Culture, French Language and Culture, Italian Language and Culture, Music Theory, Photography, Graphic Design, 3-D Design and Art Studio.

In December 2020, the College Board made significant changes to the AP Physics 1 curriculum and eliminated topics that are crucial to a comprehensive high school physics experience. The Physics A program was developed internally and closely models the Regents program which contains circuits, optics, magnetism, waves, and some atomic quantum mechanics, but is more academically challenging. Physics A is a complement to our advanced and accelerated science program which begins with Earth Science in grade 8, followed by Bio. A & Chem A. Physics A is also an important prerequisite for the AP Physics C Mechanics and AP Physics C Electricity and Magnetism course. Students who are enrolled in Physics A are eligible to take the AP Physics exam.

AP COMPUTER SCIENCE A/AP COMPUTER SCIENCE CSP TEACHING ASSISTANT – A highly competitive program for students who have taken and excelled in AP Computer Science A or AP Computer Science CSP. Selected students assist in lesson creation and delivery, provide programming assistance to students in the AP class, and (permitting) work on an independent project.

BIG BROTHER/BIG SISTER – Selected seniors are assigned to an elementary classroom to work alongside the teacher at least twice per week. In addition to their classroom work, students meet in a seminar regularly and complete reflective assignments.

CHEMISTRY LAB AND TEACHING ASSISTANT (CHEM. TA) – A highly competitive program for seniors who have taken AP Chemistry, or excelled in honors chemistry. Selected seniors receive training in instructional leadership, teach in our Regents chemistry classes, and act as laboratory assistants. The goal of the program is to provide high-achieving chemistry students with the opportunity to strengthen their knowledge in science, further their leadership skills, and offer support to peers who are enrolled in Regents chemistry. The Chem TAs attend regularly scheduled office hours to provide students with additional support.

DUAL ENROLLMENT – College and university approved course curricula and teacher's credentials afford students the opportunity to take courses for college credit. These include: Science Research, Introduction to Film and Digital Storytelling.

EXPANDED MATH – Algebra 1 Part 1, Geometry B, Algebra 1 Part 2, and Introduction to Probability & Statistics - This four-year sequence covers the New York State Regents curriculum through Algebra 1, and also various topics from Geometry and Algebra 2 and Trigonometry. Students take the Algebra 1 Regents exam.

GLOBAL SCHOLARS – The Global Scholars Program is an in-depth interdisciplinary program that focuses on developing global awareness, critical thinking, and leadership in our 21st century world. As part of the program, students will investigate global issues, analyze diverse perspectives, communicate ideas effectively in both English and a second language, and take action.

INTERDISCIPLINARY PERSPECTIVES IN LITERATURE – This is an alternative course for seniors qualified to take AP level English but who seek an integrated study that includes literature, philosophy, art, and an intensive writing experience. Students submit a quarterly portfolio of creative, critical and reflective pieces. The reading list for this advanced interdisciplinary course typically includes: *Waiting for Godot*, *Hamlet*, *Rosencrantz and Guildenstern are Dead*, *The Stranger*, *The Things They Carried*, *City of Glass*, *Franny and Zooey*, and *Nine Stories*. Students receive (2) two academic credits for this double period class.

MENTORING – A highly competitive program that puts every ninth grader in daily contact with a faculty member and two senior leaders who are chosen and trained as mentors. The goals of the program focus on orientation to the high school, personal development, community spirit, and citizenship.

PEER LEADERSHIP – A highly competitive program for selected seniors who are trained as instructional leaders and teach in our Health classes for 10th graders. The focus of their work is healthy lifestyle choices.

SCIENCE RESEARCH – This course allows self-motivated students to pursue original and independent research under the mentorship of professional scientists and academics. It is a three-year program that is accredited by the State University of New York and can qualify students for up to 12 college credits. The Regeneron Science Talent Search has ranked this course as one of the top 5 High School Research programs in the world. College credit is awarded through the University in the High School program of the State University of New York.

STARTUP-ENTREPRENEURSHIP PROGRAM – This program harnesses student excitement about becoming true entrepreneurs. Students ideate, develop, and iterate their own product or service startup in an attempt to gain investment funds. Real entrepreneurs and business experts serve as volunteer coaches/mentors. This cycle of experimentation combines with foundational business content such as marketing and finance. The businesses students build are real – they are not business cases or simulated experiences. Students exit the course with a completed Business Model Canvas, competitive analysis, financial model, minimum viable product, pitch deck, future communications plan, and future funding plan.