

ARDSLEY SCHOOL DISTRICT



Ardsley Board of Education

DATA OVERVIEW PRESENTATION

January 28, 2025



TIMELINE TO PRESENTATION

- Full Data Book - Nearly 150 pages of data provided to the Board of Education. This data is also available on the Curriculum & Instruction - Use of Data page of our district website.
- Board of Education provided questions, comments, and points of clarification.
- After tonight's presentation highlighting key takeaways from our Data Book, we will have a question and answer session with answers provided by our building and district-level administrators.
- These slides will be posted on the website after tonight under BOE Presentations.



Presentation Goals

Showcase and share with the community:

- Our accomplishments and strengths as well as areas we seek to improve
- How we use data to problem-solve and support students
- How we use data to inform instruction and curriculum decisions
- Our next steps for MTSS



Mission: Our Guiding Pillars

Academic Excellence

Maximizes personal potential and inspires collective achievement, so mastering curricular content is only the starting point and learning is tailored to needs, strengths, and interests.

Success for Every Student

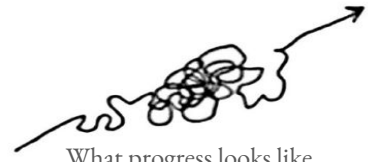
Is measured in a variety of ways. Our view of success reaches beyond academic performance and encompasses resilience, flexibility, tenacity, curiosity, creativity, empathy, determination and athletic and artistic expression.

Global Citizens

Engage in an active inquiry to acquire knowledge that reflects the depth and breadth of the collective human experience. They influence their world by making positive, proactive choices about what to do with what they know to collaboratively effect change.



The Power & Limitations of Data



What progress looks like

- Shows trends
- Shows us where to look more closely
- Alerts us to potential problems
- Requires reliable & valid tools
- Doesn't tell us why something is happening
- Calls for informed interpretation

**Aggregated data tells us about the big picture.
We drill down more deeply to analyze and support instruction & individual students**



Concord Road Elementary



CRS Data

- For this presentation we focused in the New York State Testing Data looking for trends. There are multiple assessment data we look at to evaluate progress. Some of that additional data is available on the website.
- For NYS Testing there are four levels; Level 4 is the highest. We want our students to achieve at a level 3 or 4.
- Students achieving below that level are provided supplemental intervention. State testing is analyzed as soon as results are provided (usually September), and interventions are provided soon after that analysis is complete.
- Students are further screened in the fall with a MAP Assessment so there are multiple data points.



Scores over time:

PERCENTAGE OF STUDENTS SCORING at Level 3 or Level 4

	ELA 22-23	ELA 23-24	Math 22-23	Math 23-24
GRADE 3	66%	71%	78%	85%
GRADE 4	75%	74%	77%	79%



Next Steps at CRS - Working towards 100%

What are the key learnings and issues we have identified?

- 1. We need to make additional shifts in our curriculum and assessments for literacy and math.**
- 2. We would like to decrease the number of student referrals to CSE.**

What is our strategy to address the issues we have identified?

- 1. Ensuring our core curriculum and instruction are evidence-based.**
- 2. Implementing assessments that measure students' understanding and application of the curriculum and standards.**
- 3. Measure the efficacy of our instruction and interventions at all tiers.**

What resources do we need to implement this strategy?

- 1. Continue the Math and Literacy Committees.**
- 2. Additional professional development in the Science of Reading for faculty.**
- 3. Redistribution of faculty overseeing and providing interventions in Tiers 2 & 3.**



Ardsley Middle School



AMS Data

- For this presentation we focused in the New York State Testing Data looking for trends. There are multiple assessment data we look at to evaluate progress.
- For NYS Testing there are four levels; Level 4 is the highest. We want our students to achieve at a level 3 or 4. Students achieving below that level will be provided supplemental intervention. Interventions may include:
 - Academic Intervention Services - Math Lab / ELA Literacy Support
 - Math Intervention Period
 - Time for students outside of class with interventionists.
 - Study Skills Instruction
- Intervention Timing: Test Admin - Spring / Results - Summer / Interventions - Start of Next School Year.



Scores over time:

PERCENTAGE OF STUDENTS SCORING at Level 3 or Level 4

	ELA 22-23	ELA 23-24	Math 22-23	Math 23-24	Science 22-23	Science 23-24
GRADE 5	70%	68%	76%	71%	N/A	50%**
GRADE 6	70%	74%	83%	88%	N/A	N/A
GRADE 7	78%	78%	87%	92%	N/A	N/A
GRADE 8	84%	81%	82%	70%*	90%	68%**

*Student testing sample changed significantly with students taking Algebra removed - 43% took Regents exam only.

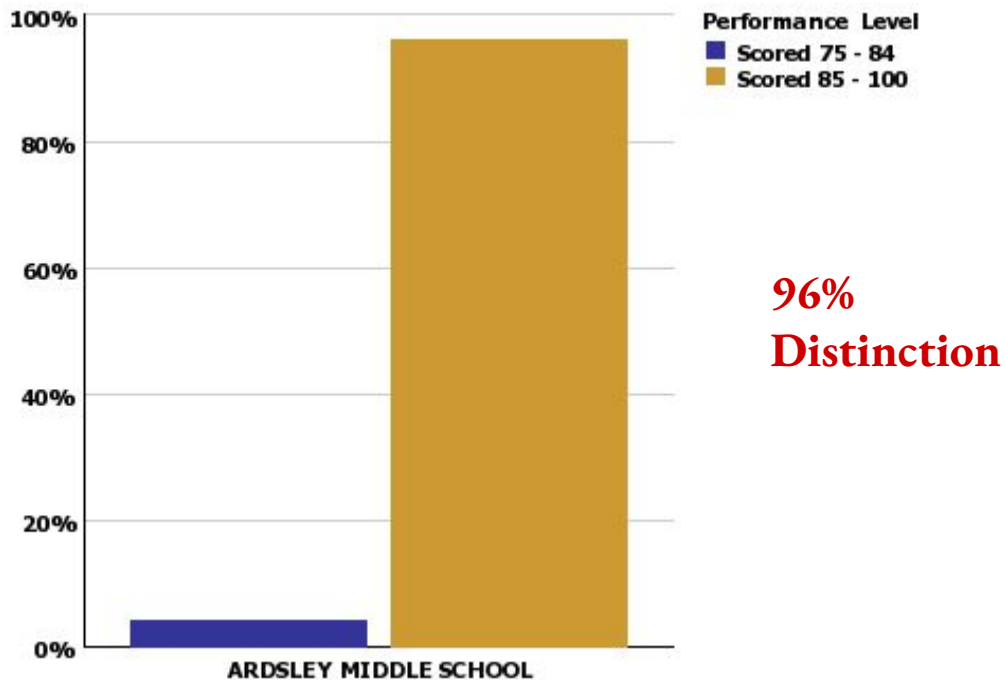
**New State standards and new testing format for 5th & 8th grade science 23-24 school year. This drop was reflected in State average and in surrounding districts.



Algebra 1 Regents

Yellow = Meeting Standard with Distinction

2023 - 2024

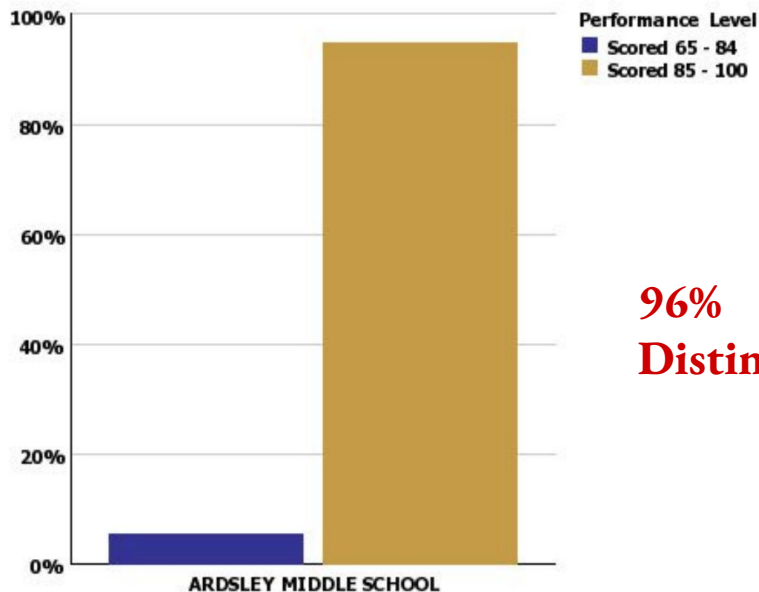




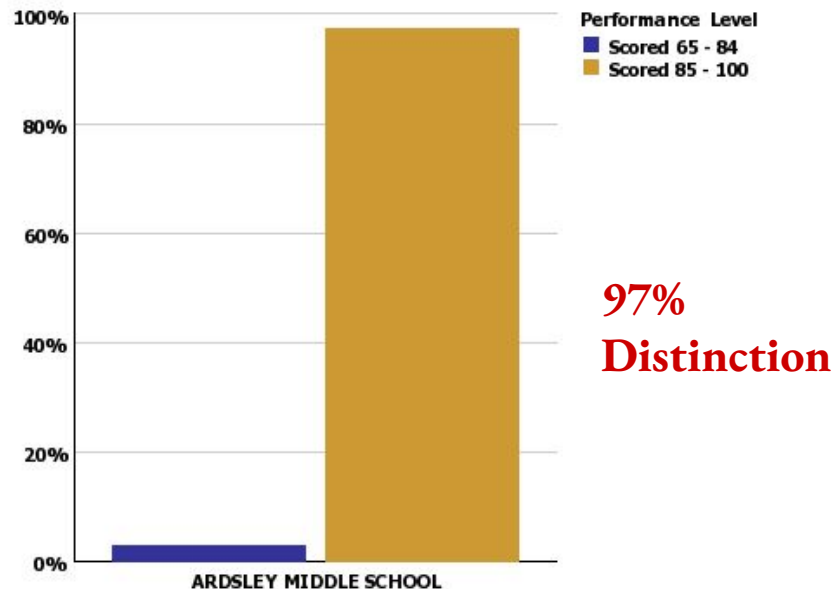
Earth Science Regents

Yellow = Meeting Standard with Distinction

2022 - 2023



2023 - 2024



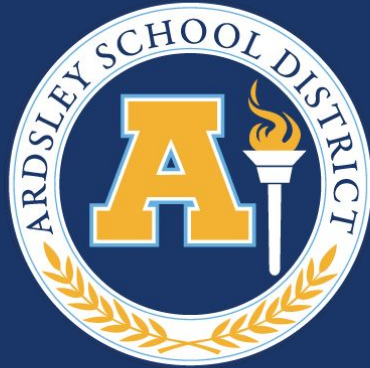


Next Steps at AMS

- **Math and ELA scores rise grade level to grade level.**
- **Eighth grade math and science NYS Assessment analysis has been ongoing since the results were received, and curricular adjustments are being examined.**
- **NYS Science Exam included new standards which accounts for the lower scores across the region. Can learn from the test now that students have taken it. Regents science scores show that we are strong based on Regents assessment. Note that upcoming science Regents will also include new standards (24-25: Earth Science and Bio; 25-26 Chemistry and Physics).**
- **Continue to provide support to students who require intervention as indicated by the assessments. Students are currently receiving interventions based on these assessments. This is already happening.**



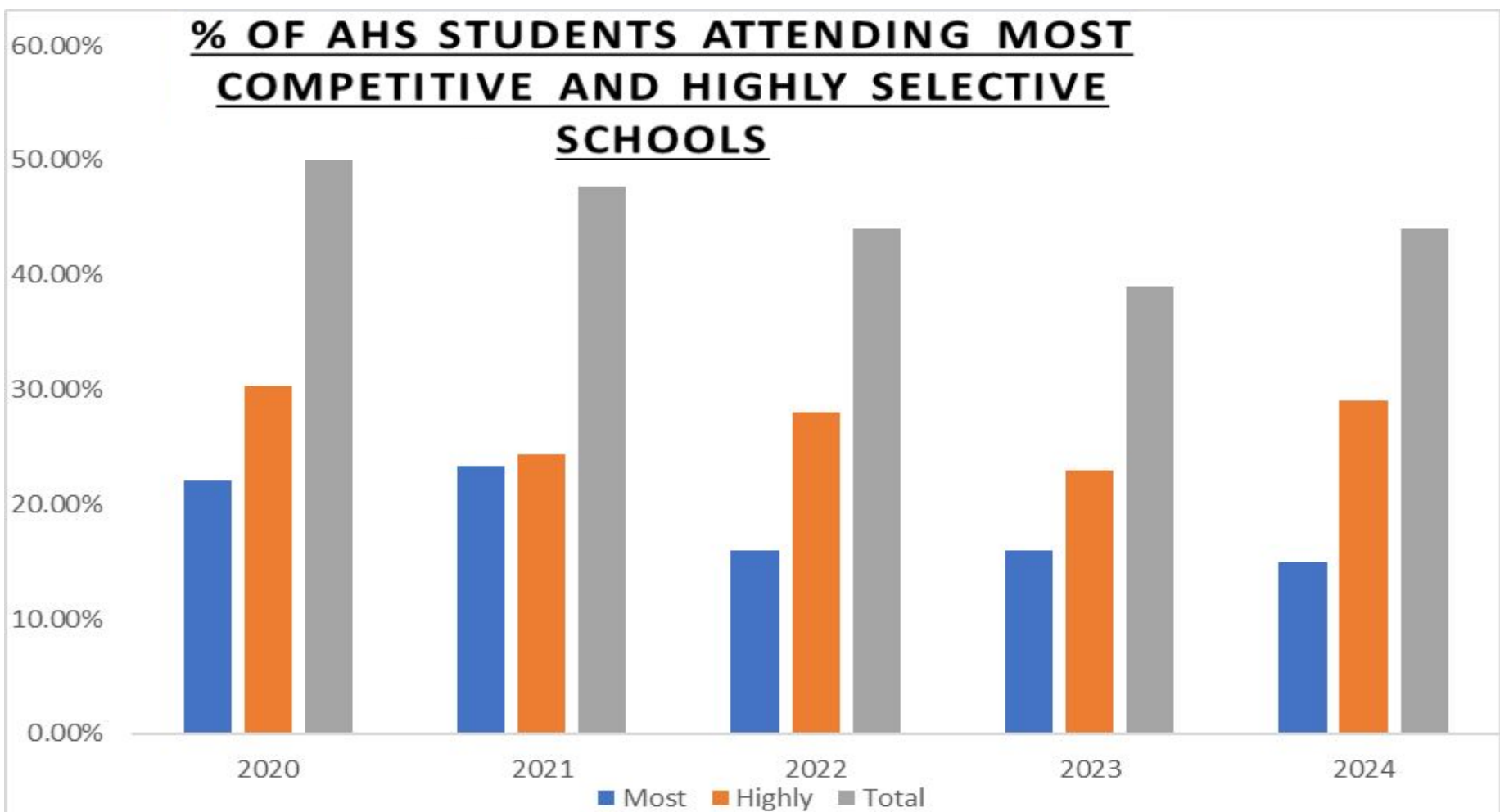
Ardsley High School



Graduation and Post-Secondary Data Ardsley High School

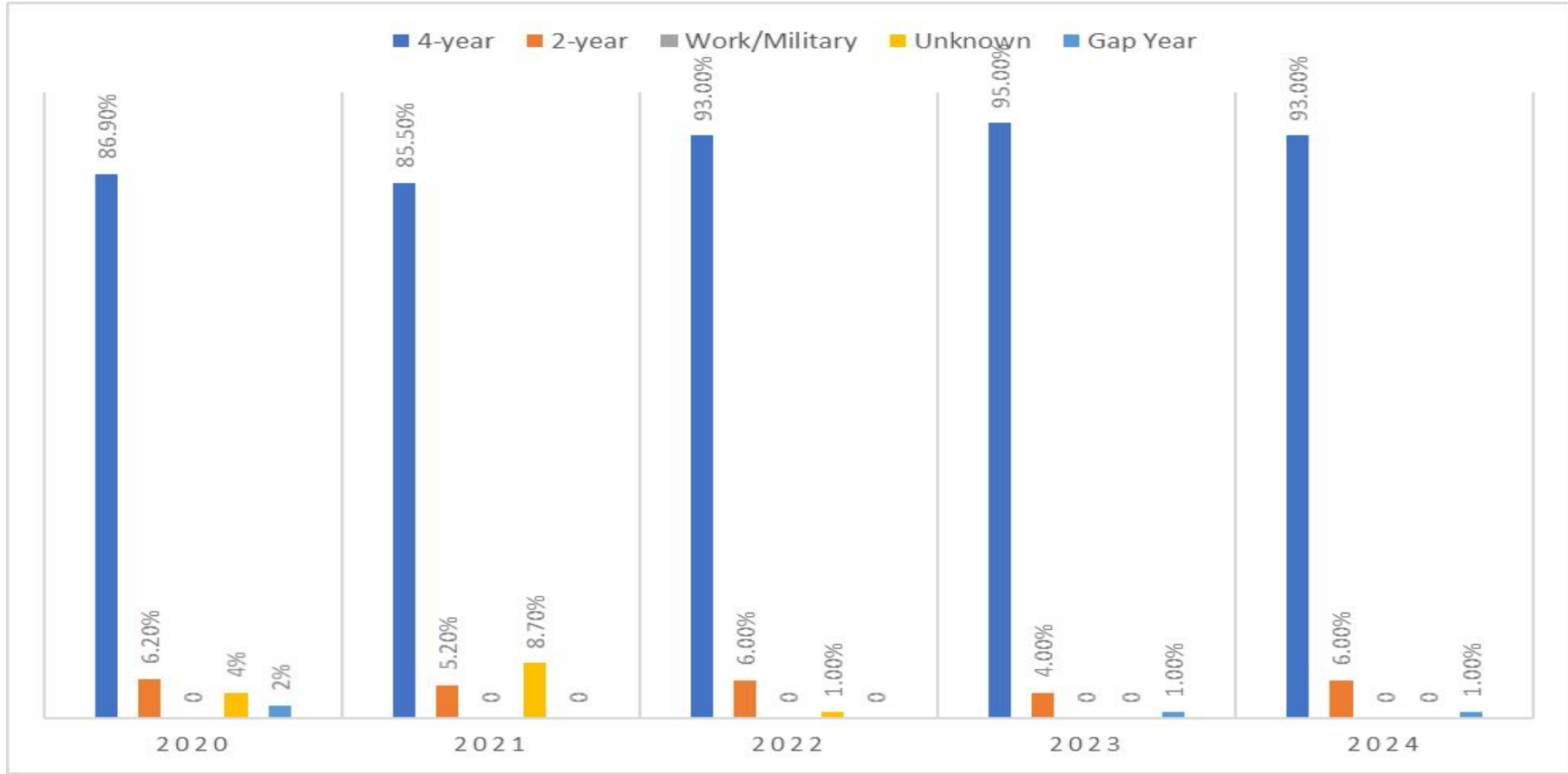
**100% of AHS Seniors Graduate
with a Regents Diploma
(5 Year Graduation Rate)**

% OF AHS STUDENTS ATTENDING MOST COMPETITIVE AND HIGHLY SELECTIVE SCHOOLS





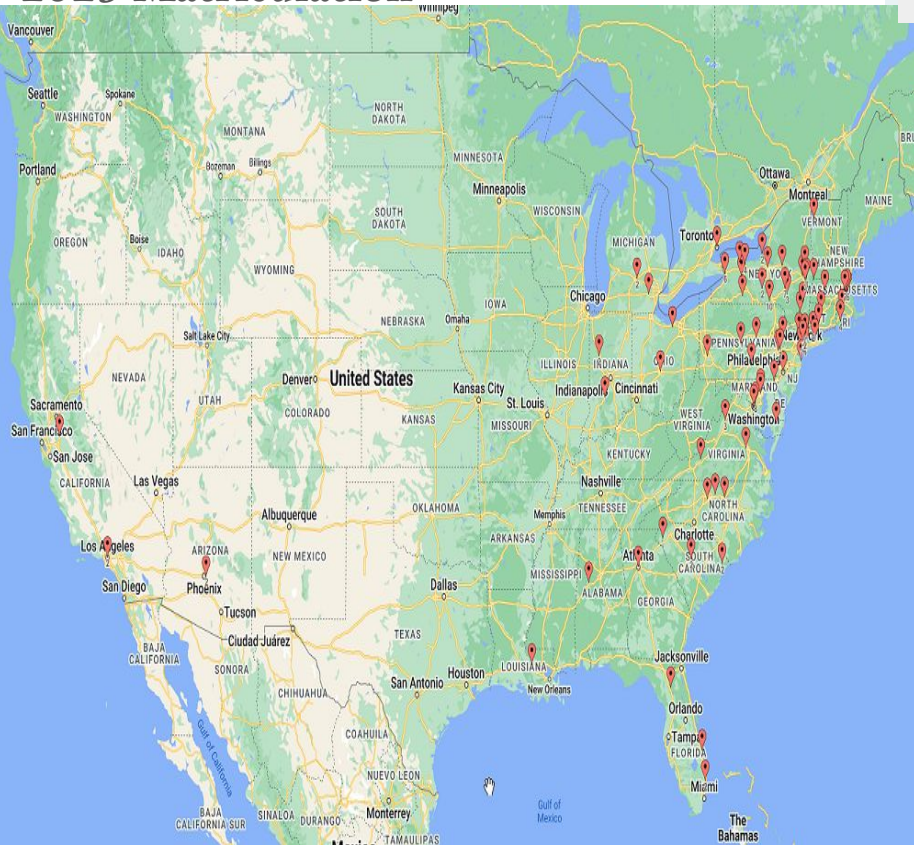
AHS Post High School Graduation



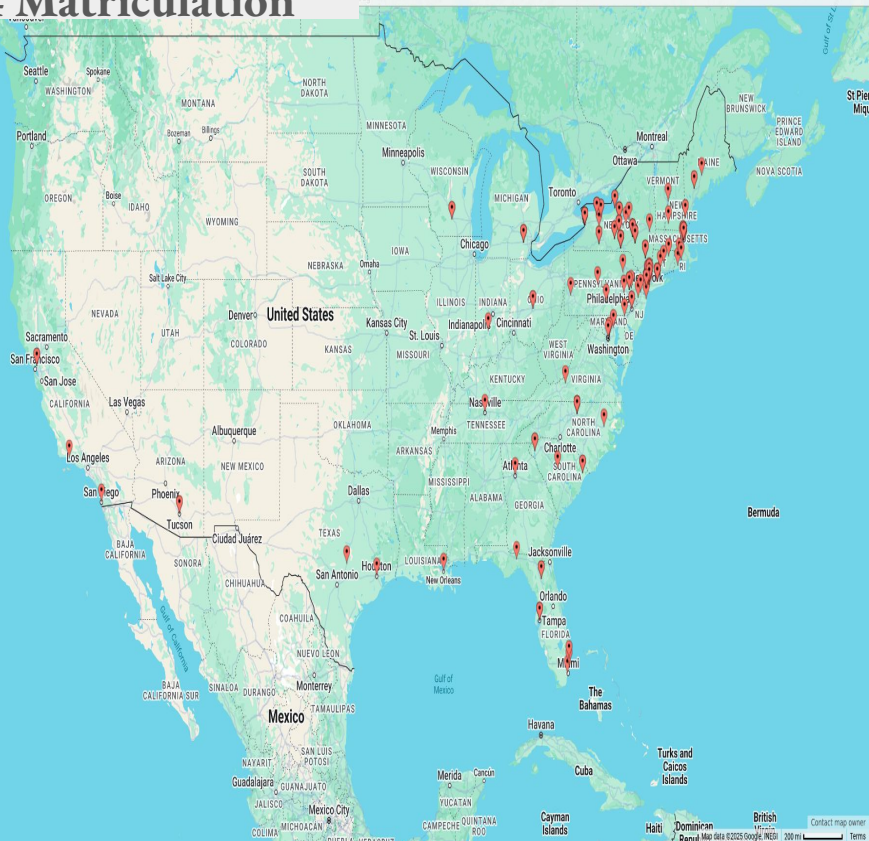


Geographic Distribution College Map

2023 Matriculation



2024 Matriculation





Some Early Decision Schools as of January, 2025

- **Cornell - 4 students accepted**
- **University of Chicago**
- **Barnard**
- **Washington University**
- **Emory**
- **New York University**
- **Lehigh**
- **Clemson**
- **Boston University**
- **Elon**
- **Smith College**
- **Fordham**
- **Quinnipiac**
- **University of Delaware**
- **Miami of Ohio**
- **George Washington University**



Advanced Placement Data Ardsley High School

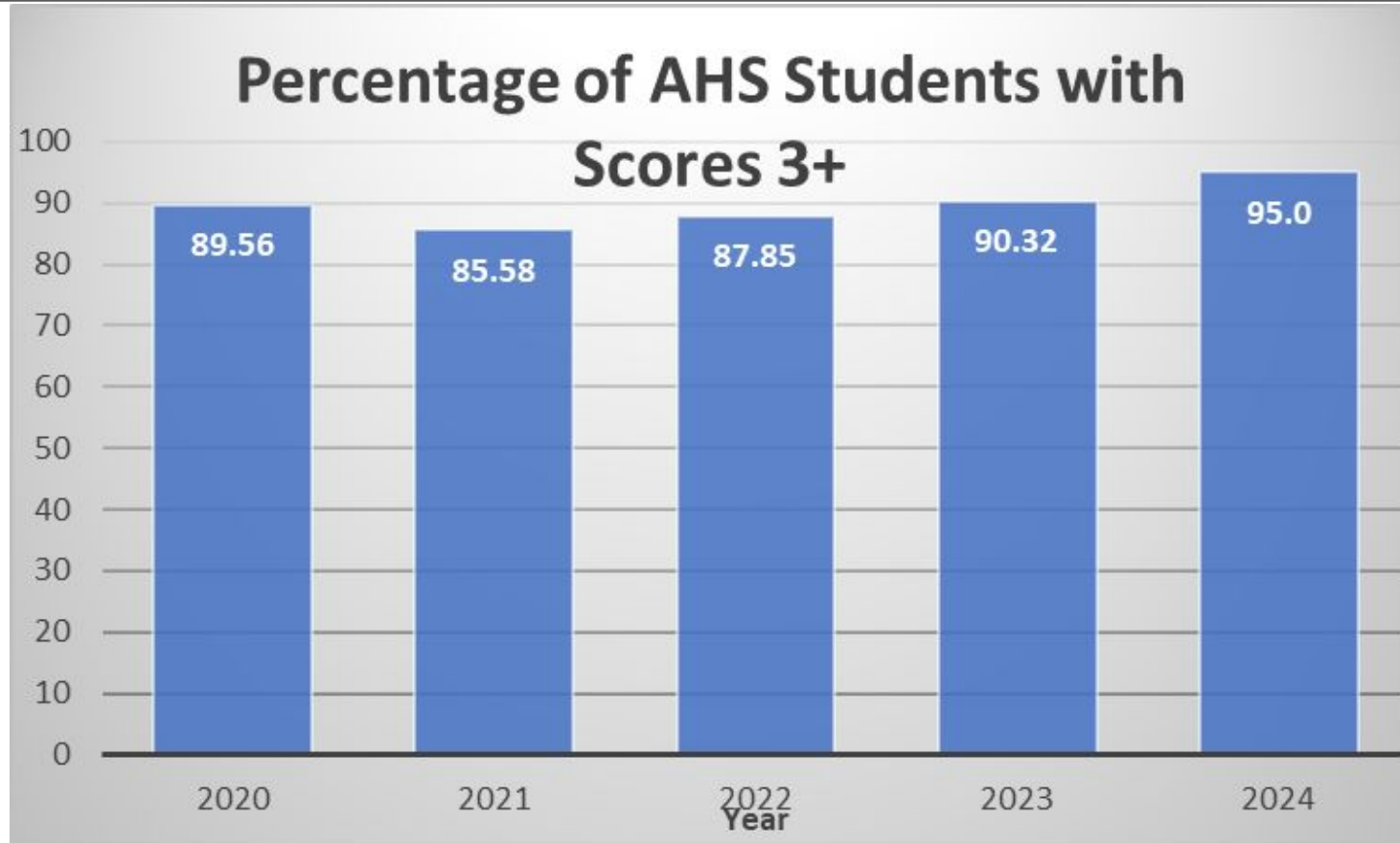
AHS offers 20 AP Courses

Ardsley High School Advanced Placement School Summary

	2020	2021	2022	2023	2024
Total Overall Students	11th 172 12th 145	11th 184 12th 172	11th 165 12th 184	11th 163 12th 166	11th 195 12th 165
Total AP Students	182	215	204	186	203
Number of exams	369	488	456	413	472
AP # / % Students Scores 3+	163 89.56%	184 85.58%	179 87.75%	168 90.32%	192 95%
# / % of Exams Scores 3+	369 82%	488 80%	459 83%	413 84%	419 88.78%



AP Course Summary Results





AP Scores over time - Science and Math:

COURSE	2022 # Scores 3-5	2023 # Scores 3-5	2024 # Scores 3-5	2022 % Scores 3-5	2023 % Scores 3-5	2024 % Scores 3-5
Biology	15	32	34	93%	93%	97%
Chemistry	9	11	15	78%	100%	92%
Environ. Sci.	26	23	24	82%	78%	80%
Physics	48	18	34	62%	60%	46%
Calc AB	25	15	26	72%	60%	72%
Calc BC	13	13	16	80%	92%	100%
Stats	4	7	24	48%	52%	90%
Comp Sci A	11	6	6	85%	86%	50%
Comp Princ.	23	21	28	70%	84%	88%



AP Scores over time -English, Social Studies, World Language, Art:

COURSE	2022 # Scores 3-5	2023 # Scores 3-5	2024 # Scores 3-5	2022 % Scores 3-5	2023 % Scores 3-5	2024 % Scores 3-5
Lang / Comp	54	38	50	92%	98%	100%
English Lit	56	52	28	98%	99%	100%
US History	20	8	27	99%	90%	99%
Comp. Gov.	19	9	11	98%	80%	100%
US Gov.	11	14	24	100%	100%	100%
Studio Art	3	5	2	100%	70%	100%
French	4	7	14	100%	90%	100%
Spanish	23	31	33	99%	100%	100%
Italian	5	3	8	100%	100%	100%
Psych	42	30	52	75%	98%	97%



AP Next Steps at AHS

● AP PHYSICS -

- While one year is not a “trend,” we are paying attention to the data.
- More students accessing AP Physics.
- State average score also went down. Our average score was close to the State average score.
- Looking at local data from our AP Physics Course (unit assessments, etc.), and making changes to instruction accordingly.
- Added a second instructor to allow for collaboration on lesson planning.
- We have spoken to students about their experience overall in AP classes to better understand what is needed for the programs.

● AP COMPUTER SCIENCE -

- We have reflected upon the course locally and made some adjustments to better prepare students for the exam.
- Such a small sample may mean one or two students brought down the percentage of 3-5 scores.

● ENGLISH LITERATURE -

- Fewer students took the course last year. This year we are back up to 46 students in AP English Lit. May have been a scheduling issue last year that AP English Lit was positioned against another popular advanced class.



AP Next Steps at AHS - Longer Term

- **Looking to add AP opportunities over the next two years in multiple content areas.**
- **Hoping to increase enrollment in AP courses so more students can access the rich and challenging curriculum and instruction.**
- **We hope new courses will appeal to a broader range students' interests and will expand areas of challenge.**



PSAT / SAT / ACT
Testing Data
Ardsley High School



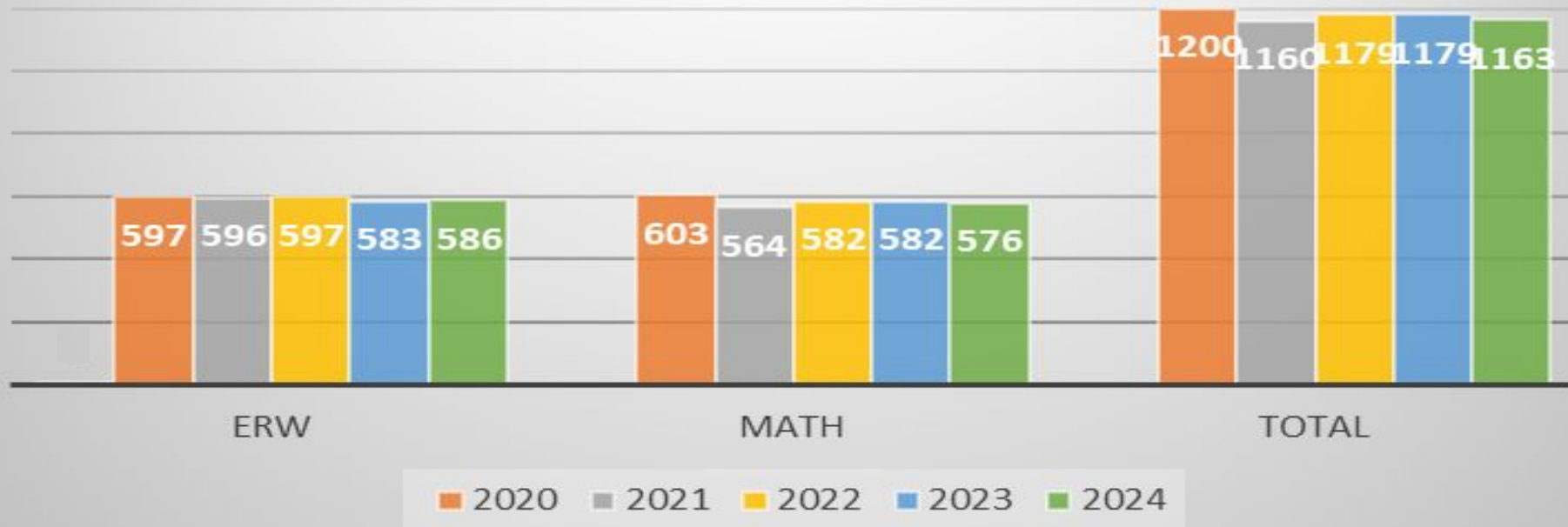
PSAT/NMSQT Exams for the Class of 2024

- **6 National Merit Semi-Finalist**
- **6 National Merit Winners**
- **12 National Merit Commended Students**
- **194 Students sat for the PSAT/NMSQT exam**
- **10th-grade and 11th-grade students sat for the exam**



PSAT Scores from year students were in 11th grade

PSAT Average Score Analysis





ACT Score Comparison: Ardsley vs. NYS

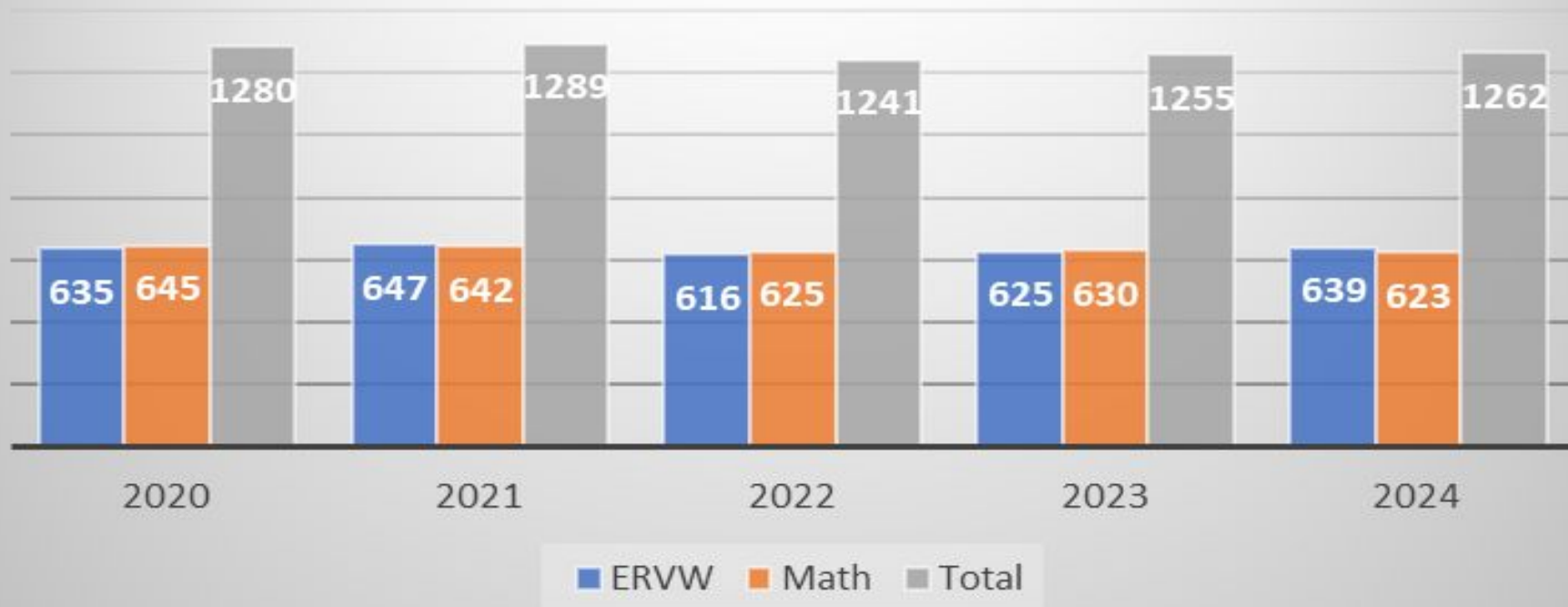
ACT Mean Composite Scores for AHS and NYS





SAT Mean Scores for AHS

SAT Mean Scores





Regents Scores

Ardsley High School

2023-2024



REGENTS SCORES I:

	4 85-100	3 65-84	2 55-64	1 0-54
Physics 85% Scoring 3 or 4	26%	59%	15%	0%
Earth Science 80% Scoring 3 or 4	42%	38%	14%	6%
Chemistry 90% Scoring 3 or 4	40%	50%	8%	2%
Living Environment 96% Scoring 3 or 4	62%	34%	4%	0%*



REGENTS SCORES II:

	5 85-100	4 79-84	3 65-78	2 79-84	1 0-54
Global History 96% Scoring 3, 4 or 5	41%	36%	19%	4%	1%
English Language Arts 97% Scoring 3, 4 or 5	74%	15%	8%	3%	1%
Algebra 1 94% Scoring 3, 4 or 5	48%	29%	17%	5%	1%



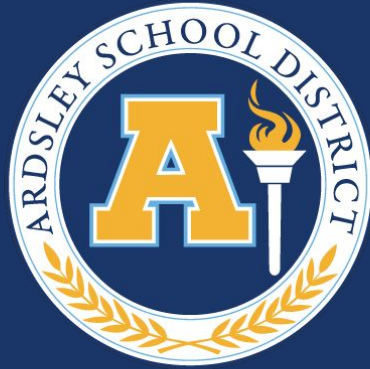
MTSS: Examples of Enrichment and Number of Participants

Seal of Bilingual	31
Columbia Writers Workshop	30
Science Research (SUNY Albany)	48
Project Lead the Way	29
Advanced Placement	203
Dual Enrollment	115
Computer Science	52
Cambridge: Global Perspectives	41



MTSS: Tiers 1 and 2 Supports

AHS Interventions/Supports	Number of Students 2023-2024	Measure of Success
Social Studies Center	163 visits total	Global Regents Enduring Issues Essay
Writing Center	290	ELA Regents Mastery Rates, Research, college personal narrative
Writing Conference	10th and 11th grade students	ELA, personalized learning goals
Literacy Course	17	Reading & Writing skills across content areas
Credit Recovery	6	Graduation Rate
DBT, CBT, Stress Less	All grade 9, small groups	Successful completion rates
Period 9 Support Periods	N/A	Graduation Rate, Regents performance



Pupil Personnel Services/ Special Education

Pupil Personnel Services/Special Education Data

Students with Disabilities (SWD) - School Age -	2022-2023	2023-2024	2024-2025
Concord Road Elementary	83	96	105
Ardsley Middle School	88	92	110
Ardsley High School	82	96	95
Out-of-District	21	16	13
TOTAL:	274	300	323
Classification Rate:	12%	12.9%	13.8%

* as of October 2, 2024

SECTION 504 Accommodation Plans:

Students with SECTION 504 Plans:	2022-2023	2023-2024	2024-2025
Concord Road Elementary	36	44	40*
Ardsley Middle School	73	80	71*
Ardsley High School	129	107	132*
TOTAL:	238	231	243*

*** as of January 8, 2025**

PRESCHOOL (CPSE) DATA:

Students with Disabilities (SWD)	2022-2023	2023-2024	2024-2025
Preschool	81	69	46*

CPSE	2022-2023	2023-2024	2024-2025
Initial Referrals:	35	64	30*

*** as of January 8, 2025**



Next Steps PPS

- **Population rising. Ardsley has a positive reputation for delivering special education.**
- **Need to review implications in terms of programming and budgeting for expanding special education population.**
- **Need to make sure we are continuing to educate staff on working with 504 plans and IEPs. Look at how MTSS helps us to meet the needs of our students.**



Next Steps PPS Continued

- **Explore Research Based Writing Supports for SWD**
- **Enhance the PPS/Special Education Website -**
 - **Add Frequently Asked PPS/SpEd Question/Answer Section**
 - **Update/Add Links to Community Supports for parents**



Athletics



Modified Participation (7th & 8th grade)

7th Grade Participation	Participated in one sport	Participated in 2 or more sports
2023 - 2024	60%	33%

8th Grade Participation	Participated in one sport	Participated in 2 or more sports
2023 - 2024	62%	37%



Athletic Participation by Grade 2023 - 2024

Participation by grade	Participated in one sport	Participated in 2 or more sports
9th grade (class of 2027)	57%	38%
10th grade (class of 2026)	66%	37%
11th grade (class of 2025)	65%	32%
12th grade (class of 2024)	62%	38%
Overall Participation	63%	36%



Next Steps Athletics

- **Highly consistent numbers of students participating in at least one sport. This is generally on par or above other school districts our size. According to USA Today, the High School Participation rate in Sports in New York is 29%.**
- **See if there are additional opportunities for freshman to get involved with athletics.**
- **Likely that participation in modified sports leads to participation in sports in high school.**
- **While we offer a lot of programs for a school our size, we can look at offering more programs. We are doing so now with flag football. We would be glad to reflect and offer more where we can.**



THREE KEY TAKEAWAYS

TAKEAWAYS

ACTIONS

Nearly half of our eligible students (11th and 12th grade) do not take even one AP course. Yet the data suggests our AP program provides excellent preparation for students to achieve at the highest levels on the exams (14/20 with 90% or better passing rates).

Expand AP options, incentivize students to take courses and exams, encourage more students to challenge themselves at the highest level and explore interests. Make AP feel more accessible.

Students being classified has risen significantly over the past three years. Approximately 50 student increase since the 2022-2023 school year.

We need to focus on our multi-tiered system of supports initiative. We must provide guidance and professional development to our entire educational team to ensure all of our teachers are able to deliver interventions and accommodations for students before the student is referred for classification. We also need to commit to our foundational math and literacy programs at the primary level. We must continue to implement evidenced-based instructional methodologies.

Ninety-nine percent of our students are going directly into a post-secondary education setting immediately after graduation. Therefore, we can hone in our efforts to prepare them for their experiences after Ardsley.

Need to focus on providing courses and experiences that are aligned with expectations of desirable colleges and universities. Ensure our counselors have the tools they need to help our student access higher education.



THANK YOU