

State of the District
Disaggregated Quantitative Indicators & Outcomes
Academic Performance
2023-24 School Year
Hastings-on-Hudson Public Schools

Melissa Szymanski, Ed.D., Assistant Superintendent

Amy Cazes, Principal

Scott Wynne, Principal

Andy Clayman, Principal

Board of Education Presentation
November 19, 2024





*We are a nurturing
community of
diverse learners
who foster a just
and compassionate
society.*



PRESENTATION OVERVIEW

- Sequential Presentation
 - Part 1: Comprehensive Description of Performance Data & Evidence (9.24.24 BOE Meeting)
 - Part 2: Description and Analysis of Academic Performance Data
 - Disaggregated Performance Data & Evidence
 - Analytical Interpretation and Action Plans
 - Part 3: Detailed Description and Analysis of Social-Emotional Experiences (Future BOE meeting)



Hastings-on-Hudson Model of Continuous Improvement



CONSIDERING DATA WISELY

- We are committed to robust use of data and evidence on student achievement and growth. Systematic use of multiple quantitative and qualitative indicators and outcomes is the gold standard for understanding student progress. Indeed, this approach is a centerpiece of the policy recommendations emerging from the [NYS Blue Ribbon Commission on Graduation Standards \(November 2023\)](#).
- The quantitative indicators and outcomes presented here are instructive, but not definitive, of strengths and necessary improvements. Metrics and quantitative markers cannot fully capture the complex range of variables and inputs affecting academic, social-emotional or behavioral performance.
- Going forward, we intend to implement systems for capturing and reporting on a range of quantitative and qualitative indicators of student performance.



Academic Performance Presentation

I. Academic Data Sources

- State **English Language Arts** Performance (Spring 2022- Spring 2024)
 - New York State ELA Assessments (3-8)
- State **Mathematics** Performance (Spring 2022 - Spring 2024)
 - New York State Mathematics Assessments (3-8)
- Grade 5 **Science** Performance (Spring 2024)
 - New York State Science Assessments (5)
- NYS **Regents** (Spring 2024)
 - Algebra (FMS & HHS)
 - Earth Science (FMS)
 - ELA (HHS)
 - Global History (HHS)
 - Living Environment (HHS)
 - US History & Government (HHS)

II. Detailed Academic Data Appendix



DISAGGREGATED DATA & EVIDENCE

This presentation focuses on comparisons in assessment performance across various demographic sub-groups. Following brief analytical points, charts present performance on each set of assessments for the following sub-groups (as defined by USDOE and NYSED):

- All Students in Hastings (as a baseline comparison)
- Female
- Male
- Asian/Pacific Islander
- Black or African American
- Hispanic or Latino
- Multiracial
- White
- Regular Ed
- Special Ed
- ELL Eligible



HEADLINE FINDINGS

- We have performance differentials among and between sub-groups, with the most pronounced deltas across racial/ethnic groups and English language status.
- These differences tend to diminish as students move through the district (as indicated by Regents performance).
- When compared to the state and regionally, our sub-groups on average have higher performance.
- REGARDLESS, as we will repeat frequently in this presentation, we are dedicated to curriculum, instruction, social-emotional supports and programming that provide the opportunity for all students to achieve and grow at high levels.



GRADES 3-8
New York State Testing
Proficiency Data



Academic Performance Data: Key Takeaways

Grades 3-8

Analysis

- We are seeing proficiency disparities primarily for our English Language Learners, Students with IEPs, and Black or African American students in grades 3-8. To a lesser extent, there is also a performance disparity for Hispanic students.
- Very Important: we are closing proficiency gaps by the time students get to high school. (This longitudinal improvement is across two types of assessments, which we have to scrutinize.)
- We continue to focus on improvement efforts for vulnerable groups of students within Hastings. Our performance data is consistent with historical and present trends that extend across New York State and nationally.

Next Steps

- Professional learning to support differentiation and instruction, particularly for more vulnerable subgroups
- Improve MTSS to provide targeted support to students below grade level
- Examine the validity and reliability of the closing of proficiency gaps as students persist in the high school
- Assistant Superintendent for PPS: Strengthen programmatic support of special education and ENL



New York State English Language Arts Assessment Data (3-8)

2022 - 2024 Mean Proficiency

Hastings-on-Hudson UFSD

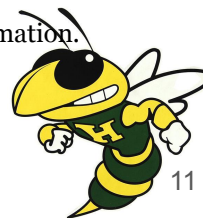
	% of Level 3 & 4
All Students in District	83%
Female	88%
Male	77%
Asian/Pacific Islander	87%
Black or African American	49%
Hispanic or Latino	67%
Multiracial	88%
White	87%
Regular Ed	88%
Special Ed	40%
ELL Eligible	22%

New York State

	% of Level 3 & 4
All Students in NYS	48%
Female	53%
Male	42%
Asian/ Pacific Islander	70%
Black or African American	38%
Hispanic or Latino	37%
Multiracial	49%
White	52%
Regular Ed	54%
Special Ed	17%
ELL Eligible	11%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

*NYS Data reflects 2022-2023 mean proficiency. 2024 disaggregated data is not yet available.



New York State Mathematics Assessment Data (3-8)

2022 - 2024 Mean Proficiency

Hastings-on-Hudson UFSD		New York State	
	% of Level 3 & 4		% of Level 3 & 4
All Students in District	81%	All Students in NYS	44%
Female	81%	Female	43%
Male	81%	Male	45%
Asian/Pacific Islander	86%	Asian/ Pacific Islander	71%
Black	60%	Black or African American	30%
Hispanic or Latino	65%	Hispanic or Latino	31%
Multiracial	84%	Multiracial	45%
White	85%	White	51%
Regular Ed	85%	Regular Ed	49%
Special Ed	45%	Special Ed	17%
ELL Eligible	27%	ELL Eligible	16%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

*NYS Data reflects 2022-2023 mean proficiency. 2024 disaggregated data is not yet available.



New York State Science Assessment: Disaggregated Data (Grade 5)

Science 5 Data	2024	
	Total Number of Students	% of Level 3 & 4
All Students in District	124	60%
Female	65	60%
Male	57	64%
Asian/Pacific Islander	6	50%
Hispanic or Latino	25	40%
Multiracial	13	54%
White	75	71%
Regular Ed	113	65%
Special Ed	11	18%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

*NYS 2024 disaggregated data is not yet available.



New York State Regents
Proficiency Data



Academic Performance Data: Key Takeaways

New York State Regents

Analysis

- We are closing proficiency disparities as students move through the high school. The State test proficiency disparities decrease based on the NYS Regents as an indicator.
- There is greater variation for the various groups at the mastery level, however.
- Overall, our subgroup proficiency exceeds or meets that of the local region. We are in discussion with other districts about the status of their disaggregated data.

Next Steps

- There is a need for more granular data analysis beyond the Regents data to better understand patterns, trends, and opportunities for continuous improvement. This includes AP participation and performance, GPA, SAT, ACT, and college acceptances.
- We will focus attention on the proficiency and mastery gaps.
- The Regents will not be going away, however the “high stakes” nature of the Regents will decrease as the State pulls back on them as a requirement for the diploma.



New York State Regents: Algebra I Assessment Data (FMS & HHS)

2022 - 2024 Mean Proficiency

	% of Level 3, 4 & 5	% of Level 5
All	97%	45%
Female	97%	48%
Male	97%	42%
Asian/Pacific Islander	93%	58%
Black	89%	8%
Hispanic or Latino	94%	31%
Multiracial	100%	53%
White	98%	48%
Regular Ed	98%	50%
Special Ed	93%	21%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.



New York State Regents: Algebra I Assessment Data (FMS)

2024 Mean Proficiency

	% of Level 3, 4 & 5	% of Level 5
FARRAGUT MIDDLE SCHOOL	100%	66%
Female	100%	79%
Male	100%	55%
Hispanic or Latino	100%	57%
Multiracial	100%	50%
White	100%	70%
Regular Ed	100%	67%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.



New York State Regents: Algebra I Assessment Data (HHS)

2024 Mean Proficiency

	% of Level 3, 4 & 5	% of Level 5
HASTINGS HIGH SCHOOL	94%	13%
Female	92%	16%
Male	95%	5%
Hispanic or Latino	100%	18%
White	97%	13%
Regular Ed	96%	19%
Special Ed	90%	5%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.



New York State Regents: Earth Science Assessment Data

2022 - 2024 Mean Proficiency

	% of Level 3 & 4	% of Mastery Level
All Students in District	89%	57%
Female	86%	56%
Male	91%	58%
Asian/ Pacific Islander	83%	67%
Black or African American	61%	33%
Hispanic or Latino	73%	34%
Multiracial	93%	58%
White	93%	64%
Regular Ed	92%	63%
Special Ed	70%	23%
LEP Eligible	25%	8%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

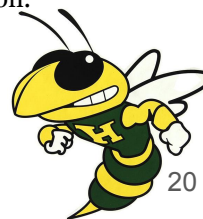


New York State Regents: English Language Arts Assessment Data

2022 - 2024 Mean Proficiency

	% of Level 3, 4 & 5	% of Level 5
All Students in District	99%	74%
Female	99%	84%
Male	98%	66%
Asian/Pacific Islander	100%	78%
Black or African American	100%	50%
Hispanic or Latino	96%	62%
Multiracial	97%	85%
White	99%	76%
Regular Ed	99%	79%
Special Ed	92%	39%
Low Income	100%	38%
Not Low Income	99%	76%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.



New York State Regents: Global History Assessment Data

2022 - 2024 Mean Proficiency

	% of Level 3, 4 & 5	% of Level 5
All Students in District	100%	70%
Female	100%	70%
Male	100%	71%
Asian/Pacific Islander	100%	83%
Black or African American	100%	69%
Hispanic or Latino	98%	47%
Multiracial	100%	93%
White	100%	72%
Regular Ed	100%	75%
Special Ed	100%	38%
Low Income	100%	40%
Not Low Income	100%	78%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.



New York State Regents: Living Environment Assessment Data

2022 - 2024 Mean Proficiency

	% of Level 3 & 4	% of Mastery Level
All Students in District	97%	66%
Female	98%	65%
Male	96%	66%
Nonbinary	100%	50%
Asian/Pacific Islander	95%	72%
Black	93%	7%
Hispanic or Latino	93%	43%
Multiracial	96%	79%
White	99%	70%
Regular Ed	99%	71%
Special Ed	89%	32%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.



New York State Regents: US History & Government Assessment Data

2023 - 2024 Mean Proficiency

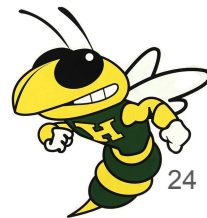
	% of Level 3, 4 & 5	% of Level 5
All Students in District	98%	53%
Female	99%	51%
Male	97%	54%
Asian/Pacific Islander	100%	61%
Black or African American	100%	42%
Hispanic or Latino	95%	27%
Multiracial	100%	59%
White	99%	56%
Regular Ed	99%	57%
Special Ed	92%	18%
Low Income	100%	0%
Not Low Income	97%	48%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.



Conclusion

- The data are not surprising to us. Strong overall proficiency within the various content areas and variable performance trends for demographic groups persist.
- MTSS is an important area for attention. We are committed to basing our supports on individual granular data for students, rather than for groups of students, to ensure all students are getting what they specifically need. This approach is working as evidenced by student growth and proficiency gaps that are closing.
- We continue to focus on strengthening our program through curriculum review cycle efforts and ongoing professional learning.



Conclusion (cont.)

- There is a strong commitment of all three principals to work closely with me around instructional design and development as part of a K-12 approach.
- The shift to an Assistant Superintendent of PPS will provide a much more systematic coordination of special education, ENL and 504 accommodations.
- NYS data is not the only data we use to determine a course of action for students. We are increasingly committed to augmenting our use of diverse data sets and evidence to better understand students' learning needs, growth and development.



Thank You!

Any questions?



Detailed Data Appendix



Academic Performance Data



Academic Performance Data Sources

- State **English Language Arts** Performance (Spring 2022- Spring 2024)
 - New York State ELA Assessments (3-8)
- State **Mathematics** Performance (Spring 2022 - Spring 2024)
 - New York State Mathematics Assessments (3-8)
- Grade 5 **Science** Performance (Spring 2024)
 - New York State Science Assessments (5)
- NYS **Regents** (Spring 2024)
 - Algebra (FMS & HHS)
 - Earth Science (FMS)
 - ELA (HHS)
 - Global History (HHS)
 - Living Environment (HHS)
 - US History & Government (HHS)



GRADES 3-8
New York State Testing
Proficiency Data

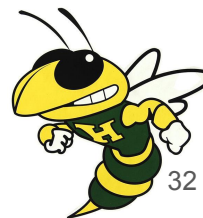


**English Language Arts
(ELA)
New York State Testing
Grades 3-8**



New York State English Language Arts Assessment Data (3-8)

NYS ELA ASSESSMENT RESULTS: PERCENTAGE OF STUDENTS AT/ABOVE PROFICIENCY %			
	SPRING 2022	SPRING 2023	SPRING 2024
G8	80%	87%	88%
G7	80%	84%	79%
G6	81%	76%	81%
G5	65%	84%	83%
G4	87%	94%	93%
G3	90%	86%	82%



New York State English Language Arts Assessment Data (3-8)



ELA 3-8 Data	2022		2023		2024	
	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4
All Students in District	109	80%	114	85%	116	84%
Female	55	87%	58	89%	57	88%
Male	54	73%	55	79%	59	80%
Asian/Pacific Islander			5	86%	5	89%
Hispanic or Latino	17	65%	17	69%	18	66%
Multiracial	8	90%	11	87%	12	88%
White	78	84%	79	88%	79	89%
Regular Ed	98	85%	104	89%	104	89%
Special Ed	11	36%	10	39%	12	44%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

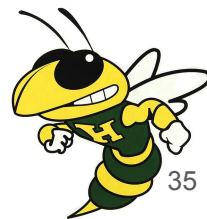
*Total number of students reflects the mean number of students in the demographic group across grades 3-8 for the given year.

Mathematics
New York State Testing
Grades 3-8



New York State Mathematics Assessment Data (3-8)

NYS MATHEMATICS ASSESSMENT RESULTS: PERCENTAGE OF STUDENTS AT/ABOVE PROFICIENCY %			
	SPRING 2022	SPRING 2023	SPRING 2024
G8	57%	87%	93%
G7	75%	88%	83%
G6	72%	70%	80%
G5	62%	87%	75%
G4	87%	91%	94%
G3	91%	84%	81%



New York State Mathematics Assessment Data (3-8)



Math 3-8 Data	2022		2023		2024	
	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4
All Students in District	104	74%	113	84%	116	84%
Female	52	74%	56	85%	57	83%
Male	52	74%	56	84%	59	85%
Nonbinary					11	80%
Asian/Pacific Islander	5	80%	5	90%	5	88%
Hispanic or Latino	16	59%	17	69%	19	67%
Multiracial	8	79%	10	90%	12	84%
White	73	77%	79	88%	78	89%
Regular Ed	94	79%	102	88%	104	88%
Special Ed	11	35%	11	53%	12	47%
ELL Eligible					6	37%
Not Low Income					113	86%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

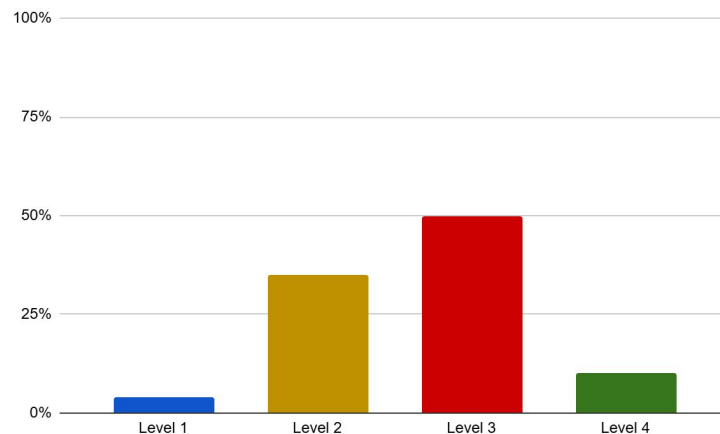
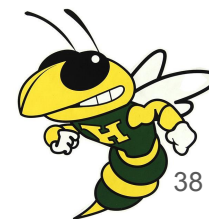
*Total number of students reflects the mean number of students in the demographic group across grades 3-8 for the given year.

Science
New York State Testing
Grade 5



New York State Science Assessment Data (5)

Performance Level	Range	District Count	District Percent
Level 4	480 - 516	13	10.48%
Level 3	450 - 477	62	50.00%
Level 2	424 - 447	44	35.48%
Level 1	398 - 420	5	4.03%

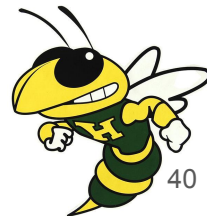


New York State Regents Proficiency Data



New York State Regents Assessment Data

REGENTS PERFORMANCE PROFICIENCY DATA			
	SPRING 2022	SPRING 2023	SPRING 2024
ALGEBRA I	89%	99%	98%
EARTH SCIENCE	99%	94%	93%
ELA	97%	99%	99%
GLOBAL HISTORY	99%	100%	100%
LIVING ENVIRONMENT	97%	100%	99%
US HISTORY & GOVERNMENT*	n/a	99%	97%



New York State Regents Algebra I



Regents Assessment Data

Algebra I



Algebra 1	2022		2023		2024	
	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4
All Students in District	107	94%	148	99%	130	98%
Female	50	94%	80	100%	67	97%
Male	57	95%	66	98%	60	98%
Asian/Pacific Islander	6	100%	6	100%	5	80%
Hispanic or Latino	20	85%	25	96%	18	100%
Multiracial	8	100%	6	100%	9	100%
White	70	97%	109	100%	94	98%
Regular Ed	91	96%	129	99%	108	99%
Special Ed	16	88%	19	100%	22	91%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

*Total number of students reflects the mean number of students in the demographic group across grades 3-8 for the given year.

New York State Regents Earth Science



Regents Assessment Data

Earth Science



Earth Science	2022		2023		2024	
	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4
All Students in District	114	79%	135	94%	142	93%
Female	63	70%	75	96%	71	93%
Male	51	90%	58	91%	70	93%
Black or African American					6	83%
Hispanic or Latino	19	53%	22	77%	25	88%
Multiracial	7	86%	9	100%	12	92%
White	83	86%	98	97%	95	96%
Regular Ed	95	82%	114	98%	125	95%
Special Ed	19	63%	21	71%	17	76%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

*Total number of students reflects the mean number of students in the demographic group across grades 3-8 for the given year.

**New York State Regents
English Language Arts (ELA)**



Regents Assessment Data

English Language Arts



English Regents	2022		2023		2024	
	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4
All Students in District	138	97%	138	100%	128	99%
Female	66	98%	62	100%	63	100%
Male	72	96%	76	100%	64	98%
Asian/Pacific Islander	9	100%	9	100%	7	100%
Black or African American					6	100%
Hispanic or Latino	18	94%	18	100%	17	94%
Multiracial	11	91%	5	100%	9	100%
White	97	98%	103	100%	89	100%
Regular Ed	121	98%	124	101%	111	100%
Special Ed	17	88%	14	93%	17	94%
Low Income					8	100%
Not Low Income					120	99%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

*Total number of students reflects the mean number of students in the demographic group across grades 3-8 for the given year.

New York State Regents Global History



Regents Assessment Data

Global History



Global History	2022		2023		2024	
	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4
All Students in District	129	99%	131	100%	112	100%
Female	55	100%	66	100%	59	100%
Male	74	99%	65	100%	51	100%
Asian/Pacific Islander	8	100%	7	100%		
Black or African American			5	100%		
Hispanic or Latino	16	94%	18	100%	19	100%
Multiracial	5	100%	9	100%	5	100%
White	97	100%	92	100%	82	100%
Regular Ed	116	99%	117	100%	94	100%
Special Ed	13	100%	14	100%	18	100%
Low Income					5	100%
Not Low Income					107	100%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

*Total number of students reflects the mean number of students in the demographic group across grades 3-8 for the given year.

New York State Regents Living Environment



Regents Assessment Data

Living Environment



Living Environment	2022		2023		2024	
	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4
All Students in District	128	97%	116	97%	132	98%
Female	62	98%	63	98%	71	99%
Male	66	95%	52	96%	57	96%
Asian/Pacific Islander	7	86%	5	100%	5	100%
Black or African American	5	80%				
Hispanic or Latino	18	89%	21	95%	21	95%
Multiracial	10	100%	5	100%	9	89%
White	88	100%	84	98%	95	99%
Regular Ed	113	98%	96	99%	110	99%
Special Ed	15	87%	20	90%	22	91%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

*Total number of students reflects the mean number of students in the demographic group across grades 3-8 for the given year.

**New York State Regents
US History & Government**



Regents Assessment Data

US History & Government



US History & Government	2022		2023		2024	
	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4	Total Number of Students	% of Level 3 & 4
All Students in District			137	99%	128	97%
Female			61	100%	64	98%
Male			76	99%	63	95%
Asian/Pacific Islander			9	100%	7	100%
Black or African American					6	100%
Hispanic or Latino			19	95%	17	94%
Multiracial			5	100%	9	100%
White			101	100%	89	97%
Regular Ed			122	99%	110	99%
Special Ed			15	100%	18	83%
Low Income					9	100%
Not Low Income					119	97%

*Demographic groups with a sample size of less than 5 students have been omitted to protect students' personally identifiable information.

*Total number of students reflects the mean number of students in the demographic group across grades 3-8 for the given year.

*This assessment was not given in 2022.