Newburyport Public Schools

2022 Internal and External Assessment Data Middle and High School
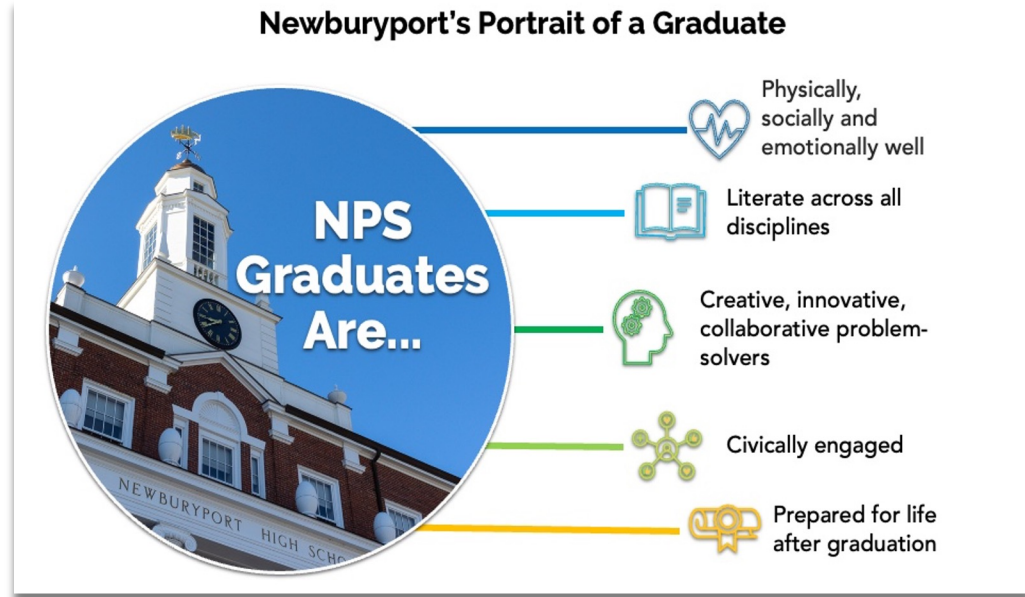
The port where tradition and innovation converge...

Objective

An overview of external and internal assessments to provide a progress report on the state of the Newburyport student.

Newburyport's Portrait of a Graduate

NPS Graduates Are...

- Physically, socially and emotionally well
- Literate across all disciplines
- Creative, innovative, collaborative problem-solvers
- Civically engaged
- Prepared for life after graduation

MCAS Test Administration 2019-2022

2022 school year was the first full MCAS administration for grades 3-8 since 2019. Grade 10 students in 2022 had not taken an MCAS test since 2019 (grade 7).

Year	Grades 3-8	Grade 10
2019	Full test administration	Full test administration
2020	**No tests administered**	**No tests administered**
2021	**Half-test administered**	Full test administered
2022	Full test administered	Full test administered

Time on learning remains a challenge

Criteria	Newburyport 2019-2020	Newburyport 2021-2022
Students absent 10+ days	26.9%	49.2%
Chronically absent (10% of school days)	6.7%	17.6%
Chronically absent (20% of school days)	N/A	3.1% (about 70 students district wide)
Average # of missed school days	7.5	11.7

School	2022-23 Attendance To Date (10% of school days)
Nock	84 students = 17%
High School	140 students = 17%

Attendance Strategies

- Attendance letters and support meetings after 5 absences

- Student support personnel have student attendance as their student learning goal for the year

- Bi-weekly data meetings emphasize attendance, interventions, and progress monitoring

Gr. 6-7 ELA Results

Grade	Year	Meeting or Exceeding Expectations %		Not Meeting Expectations %		No. of Students Included	Avg. SGP
		School	State	School	State		
6 All	2022	51	42	8	22	142	52
	2019	53	54	6	13	156	46
High Needs	2022	21	24	28	35	38	41
	2019	28	33	21	24	42	48
7 All	2022	62	41	6	19	158	59
	2019	51	48	7	13	196	47
High Needs	2022	22	24	18	31	44	52
	2019	12	27	26	25	44	46

Gr. 8 ELA Results

Grade	Year	Meeting or Exceeding Expectations %		Not Meeting Expectations %		No. of Students Included	Avg. SGP
		School	State	School	State		
8 All	2022	33	32	17	18	165	37
	2019	60	51	5	14	187	53
High Needs	2022	11	24	35	30	50	37
	2019	28	29	26	26	39	54

Gr. 6-7 Mathematics Results

Grade	Year	Meeting or Exceeding Expectations %		Not Meeting Expectations %		No. of Students Included	Avg. SGP
		School	State	School	State		
6	2022	45	42	6	15	140	38
	2019	45	51	6	10	156	37
High Needs	2022	11	24	22	25	35	36
	2019	16	31	21	19	42	42
7	2022	44	38	11	19	157	55
	2019	54	48	8	13	196	54
High Needs	2022	18	19	29	31	45	51
	2019	25	26	24	25	47	53

Gr. 8 Mathematics Results

Grade	Year	Meeting or Exceeding Expectations %		Not Meeting Expectations %		No. of Students Included	Avg. SGP
		School	State	School	State		
8	2022	36	36	13	17	165	45
	2019	58	47	4	12	187	55
High Needs	2022	14	19	33	28	50	43
	2019	19	24	22	24	36	47

Clippers in Action
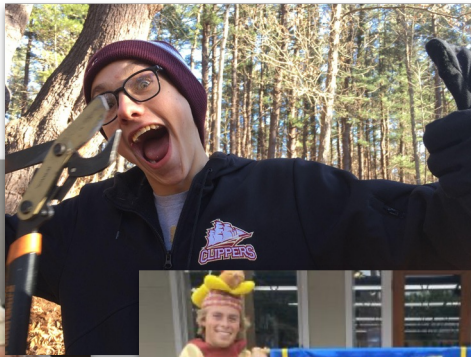
Gr. 10 ELA Results

Group	Year	Meeting or Exceeding Expectations %		Not Meeting Expectations %		No. of Students Included	Avg. SGP
		School	State	School	State		
ALL	2022	72	58	2	8	201	57
	2019	84	61	3	8	189	51.5
Students w/ Disabilities	2022	35	20	11	26	38	62
	2019	30	22	29	26	17	-
High Needs	2022	46	38	7	15	55	61
	2019	45	36	16	18	34	54.1

➢ Increase frequency of students comparing and contrasting multiple texts during lesson
➢ Increase frequency of writing about reading
➢ Targeting feedback around strategic grouping

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Gr. 10 Mathematics Results

Group	Year	Meeting or Exceeding Expectations %		Not Meeting Expectations %		No. of Students Included	Avg. SGP
		School	State	School	State		
ALL	2022	66	50	4	10	200	69
	2019	83	59	3	9	187	54.3
Students w/ Disabilities	2022	35	15	14	33	37	65
	2019	28	19	28	32	18	-
High Needs	2022	41	29	11	19	54	54
	2019	46	33	17	19	35	35

➢ Developing rubrics to provide students with feedback on the math practices
➢ Increasing use of math talk in the classroom
➢ Targeting feedback around strategic grouping
➢ Aligning curriculum and developing common assessments to better implement teaching and learning cycles

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Gr. 9 Science Results

Group	Year	Meeting or Exceeding Expectations %		Not Meeting Expectations %		No. of Students Included
		School	State	School	State	
ALL	2022	71	47	3	14	189
Students w/ Disabilities	2022	43	15	14	37	35
High Needs	2022	48	26	10	24	50

Group	Year	Proficient or Higher		Warning/ Failing		No. of Students Included
		School	State	School	State	
ALL	2022	85	62	2	10	189
	2019	90	74	2	5	198
Students w/ Disabilities	2022	55	27	11	29	35
	2019	35	31	18	20	17
High Needs	2022	62	42	8	18	50
	2019	53	52	10	12	30

➔ Emphasizing claim, evidence, and reasoning

➔ Increasing frequency of writing about reading (includes chart analysis)

➔ Targeting feedback around strategic grouping

➔ Developing common assessments to better implement teaching and

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Grade 8 - 9 Science Results

Grade	Exceeding Expectations	Meeting Expectations	Partially Meeting Expectations	Not Meeting Expectations	N
8	5	39	41	15	165
9*	17	54	26	3	189

* First year administration of Next Generation and should not be compared to previous years.

Data Driven Decision Making: A Sample

Question 6 an area of growth.

	Item Information						% Possible Points		
Item No.	Item Type	Reporting Category	Standard	Item Description	Possible Points	District	State	District-State Diff.	
1	SR	RE	R.PK-12.2	Determine the purpose of the author's choice of words in an excerpt.	1	94%	92%	2	
2	SR	RE	R.PK-12.5	Determine the relationship between two sentences in an excerpt.	1	78%	69%	9	
3	SR	RE	R.PK-12.4	Determine the tone of a character in an excerpt.	1	77%	65%	12	
4	SR	LA	L.PK-12.4	Determine the meaning of an unknown word using context.	1	90%	87%	3	
5	SR	LA	L.PK-12.2	Compare the purposes of parenthetical information in two excerpts.	1	82%	79%	3	
6	SR	RE	R.PK-12.6	Determine how characters in two different excerpts are similar.	1	68%	64%	4	
7	SR	RE	R.PK-12.2	Determine the meaning of a quotation from an excerpt and identify a quotation from another excerpt that has a similar meaning.	2	61%	58%	3	
8	SR	RE	R.PK-12.4	Determine the tones of specific details from two excerpts.	2	74%	67%	7	
9	ES	-	-	Write an essay explaining how characters support the main character in two different excerpts; use information from each excerpt to develop the essay.	8	62%	60%	2	

Read the excerpts about characters who reflect on their recent interactions with loved ones and friends. Then answer the questions that follow.

The Signature of All Things | Emma

In the 1800s, women were expected to marry by a certain age. In this excerpt from the novel *The Signature of All Things*, Alma reacts to the news that her friend Retta and sister Prudence are both getting married and moving away.

from *The Signature of All Things*

by Elizabeth Gilbert

1 In all of our lives, there are days that we wish we could see expunged from the record of our very existence. Perhaps we long for that erasure because a particular day brought us such splintering sorrow that we can scarcely bear to think of it ever again. Or we might wish to blot out an episode forever because we behaved so poorly on that day—we were mortifyingly selfish, or foolish to an extraordinary degree. Or perhaps we injured another person and wish to disremember our guilt. Tragically, there are some days

Which characteristic is **most clearly** shared by Alma in *The Signature of All Things* and Emma in *Emma*?

A. their impulsive reactions

B. their longing to get married

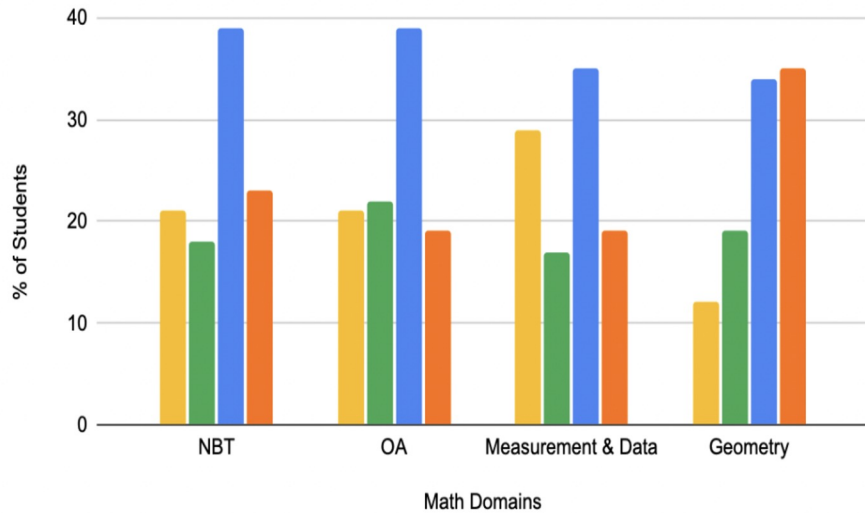C. their jealousy of other women

D. their desire for a higher status

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Internal and Additional Assessment Data
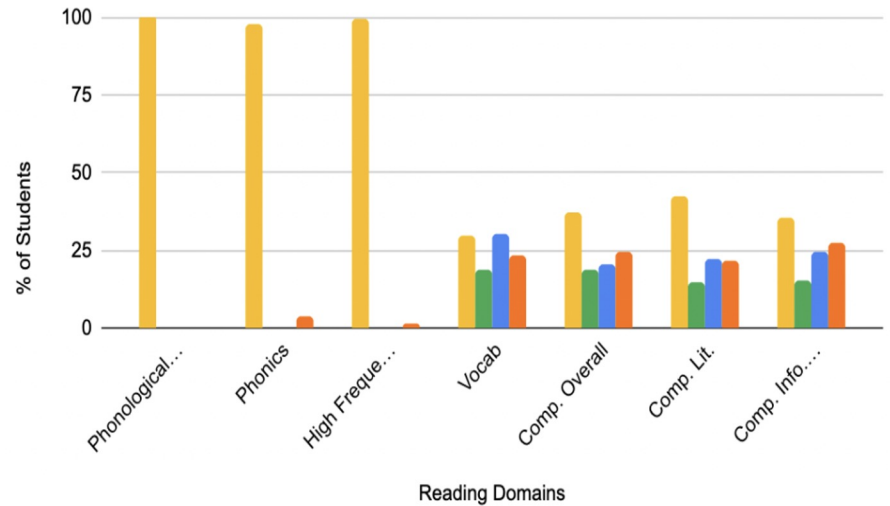
6th Grade Internal iReady Data
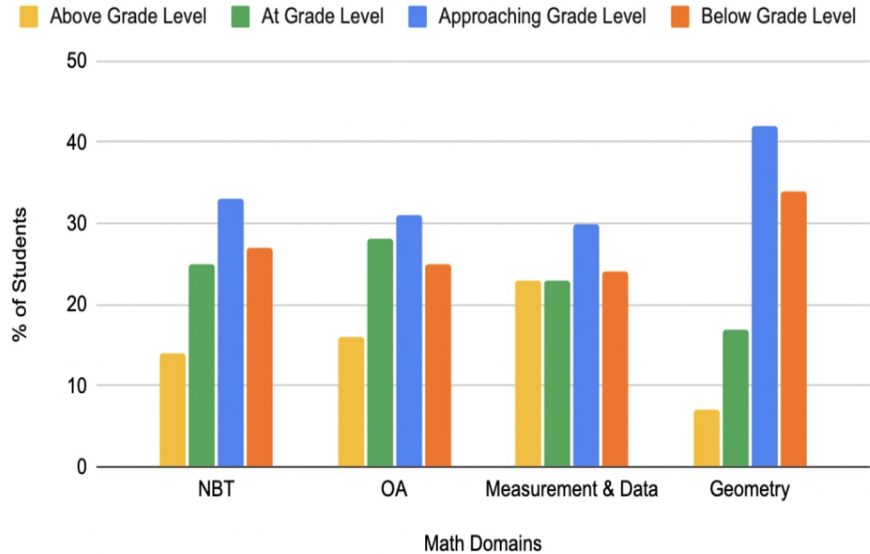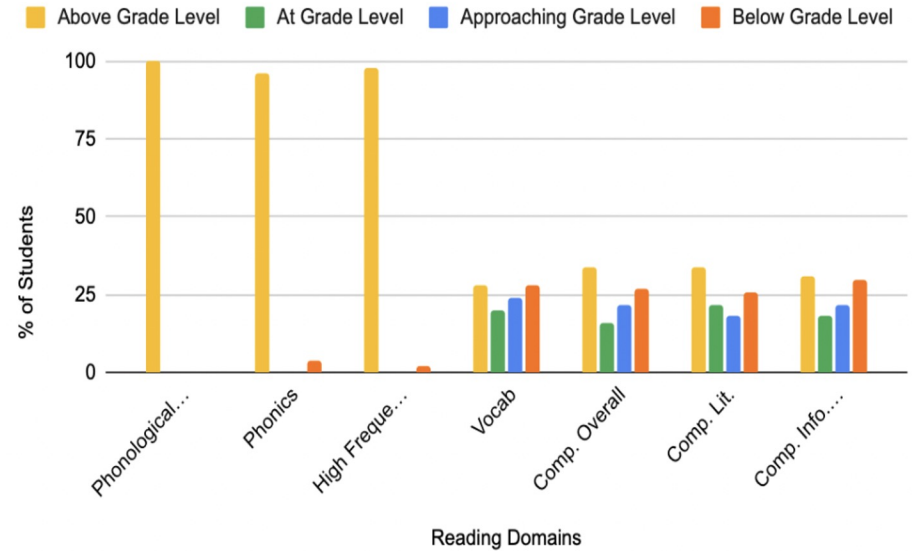
7th Grade Internal iReady Data

8th Grade Internal iReady Data

Next Steps–Nock

Internal Data
- Common Assessments
- iReady assessment data

Data Cycle & Curriculum Work
- Stage Two Mapping
- Common Assessments
- Placed Based Education

Program Development
- Placed Based Education
- Strategies/Language Based
- College and Career Readiness
  - College Visits
  - Speaker Series
  - Career Fair
- Advisory
  - Student led conversations

Student Data Sheet

Student Name	

Attendance			
Total Absences	Excused Absences	Total Tardies	Excused Tardies

iReady		MCAS		Trimester 1/2/3 Academic Grades		
				Subject	Current Progress	Final Grade
Baseline Math		5th Grade ELA Math Sci		ELA		
				Math		
Baseline Reading				Science		
		6th Grade ELA Math		Social Studies		
Interim Math				Spanish		
				Art		
Interim Reading		7th Grade ELA Math		Tech Ed		
				Music Tech		
Final Math				Chorus/Band		
		8th Grade ELA Math Sci		Wellness		
Final Reading				Physical Education		

Advisor Feedback	
Student Goal	

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PSAT

What the Benchmarks Mean

The College and Career Readiness Benchmarks for the SAT predict a 75% likelihood of achieving a C or higher in related first semester, credit-bearing college courses. The benchmarks are set at the section level, so there is a benchmark for Evidence-Based Reading and Writing and a benchmark for Math.

Leveraging the PSAT - Benchmark Scores

Newburyport High School - 188 Test Taker(s)

PSAT/NMSQT Fall 2022, 10th grade - Scores & Benchmarks
Benchmarks by Students

Group	Number of Test Takers	Met Both Benchmarks	Met No Benchmarks	ERW Benchmark (430)		Math Benchmark (480)	
School	188	44% Met Both	22% Met None	Met **76%** Approaching **2%** Strengthen Skills **22%**		Met **46%** Approaching **10%** Strengthen Skills **44%**	
District	188	44% Met Both	22% Met None	Met **76%** Approaching **2%** Strengthen Skills **22%**		Met **46%** Approaching **10%** Strengthen Skills **44%**	
State	25,501	39% Met Both	35% Met None	Met **61%** Approaching **6%** Strengthen Skills **33%**		Met **42%** Approaching **11%** Strengthen Skills **46%**	
Total Group	1,554,783	34% Met Both	40% Met None	Met **57%** Approaching **6%** Strengthen Skills **36%**		Met **37%** Approaching **11%** Strengthen Skills **52%**	

Leveraging the PSAT - Benchmark Scores

Newburyport High School - 183 Test Taker(s)

PSAT/NMSQT Fall 2022, 11th grade - Scores & Benchmarks
Benchmarks by Students

Group	Number of Test Takers	Met Both Benchmarks	Met No Benchmarks	ERW Benchmark (460)		Math Benchmark (510)	
School	183	47% Met Both	21% Met None	Met **78%** Approaching **5%** Strengthen Skills **16%**		Met **48%** Approaching **12%** Strengthen Skills **40%**	
District	183	47% Met Both	21% Met None	Met **78%** Approaching **5%** Strengthen Skills **16%**		Met **48%** Approaching **12%** Strengthen Skills **40%**	
State	37,265	41% Met Both	34% Met None	Met **64%** Approaching **8%** Strengthen Skills **29%**		Met **44%** Approaching **11%** Strengthen Skills **45%**	
Total Group	1,468,924	38% Met Both	35% Met None	Met **63%** Approaching **8%** Strengthen Skills **29%**		Met **40%** Approaching **12%** Strengthen Skills **48%**	

Leveraging the PSAT - Drilling Down

	Test Portion	Question	Correct Answer	Percent Correct by Group		Student Responses					Difficulty	Related Cross-test Scores and Subscores	Student Performance
☐ All						A%	B%	C%	D%	Omit%			
☐	Math without Calculator	1	C	School District State Total Group	85% 85% 79% 78%	2 2 3 3	4 4 6 7	85 85 79 78	7 7 11 11	2 2 1 1	Easy	Heart of Algebra ⑦	See Student Performance
☐	Math with Calculator	5	A	School District State Total Group	70% 70% 65% 64%	70 70 65 64	7 7 7 8	5 5 9 10	15 15 18 17	1 1 2 1	Easy	Problem Solving and Data Analysis ⑦	See Student Performance
☐	Math without Calculator	8	D	School District State Total Group	43% 43% 40% 38%	19 19 16 17	29 29 27 26	7 7 14 17	43 43 40 38	2 2 3 2	Medium	Heart of Algebra ⑦	See Student Performance

Leveraging the PSAT - Drilling Down

	All	Test Portion	Question	Correct Answer	Percent Correct by Group		Student Responses					Difficulty	Related Cross-test Scores and Subscores	Student Performance
							A%	B%	C%	D%	Omit%			
☐		Reading	1	A	School District State Total Group	77% 77% 74% 74%	77 77 74 74	9 9 10 10	13 13 11 11	2 2 4 4	1 1 1 0	Easy	Words in Context (?)	See Student Performance
☐		Reading	2	A	School District State Total Group	77% 77% 76% 76%	77 77 76 76	6 6 7 7	9 9 10 10	7 7 6 6	1 1 1 0	Easy		See Student Performance
☐		Reading	3	C	School District State Total Group	65% 65% 61% 59%	2 2 5 5	20 20 22 23	65 65 61 59	12 12 11 11	1 1 1 1	Medium		See Student Performance
☐		Reading	4	B	School District State Total Group	40% 40% 34% 34%	31 31 33 34	40 40 34 34	13 13 14 15	14 14 17 16	1 1 1 1	Hard	Command of Evidence (?)	See Student Performance
☐		Reading	5	A	School District State Total Group	80% 80% 69% 69%	80 80 69 69	4 4 8 8	10 10 16 16	5 5 6 6	2 2 1 1	Easy		See Student Performance
☐		Reading	6	B	School	90%	3	90	3	3	2	Easy	Words in Context (?)	See Student Performance

Graduation Rates and Advanced Coursework

4 Year Graduation Rate			
Group	2020 Rate (%)	2021 Rate (%)	N
All Students	95.6	95.2	207
High needs	88.1	82.6	46
Low income	89.3	76.9	39

Extended Engagment Rate			
Group	2019 Rate (%)	2020 Rate (%)	N
All Students	94.7	98.9	183
High needs	78.3	97.6	42
Low income	70	100	28

Annual Dropout Rate			
Group	2020 Rate (%)	2021 Rate (%)	N
All Students	0.1	0.1	798
High needs	0.7	0.6	167
Low income	1.4	0	87

Advanced coursework completion - High schoolAbout the Data			
Group	2021 Rate (%)	2022 Rate (%)	N
All Students	71.7	80.5	384
High needs	43.8	61.3	93
Low income	51.1	64.8	54
Students w/ disabilities	30	54.2	48
White	71.7	82.2	354

Most NHS students are completing advanced coursework.

Assessment Planning

> The timing of assessments is a little different at NHS, but here is an assessment calendar used in ELA to inform the teaching and learning cycle.

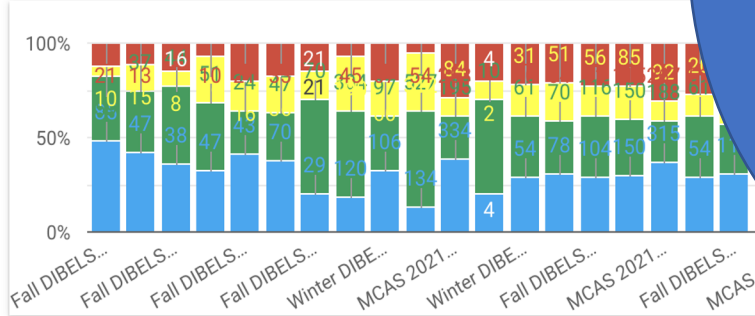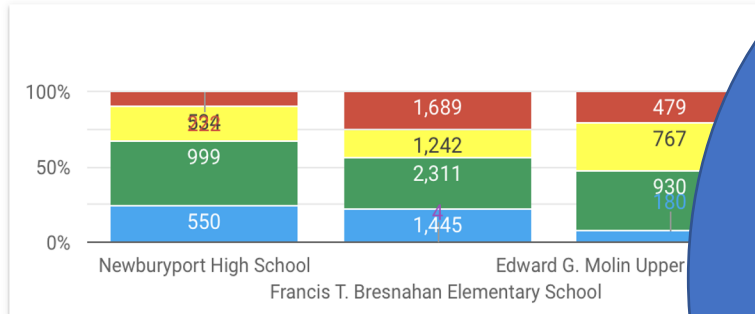| Grade 11 Assessment Planner				
Unit	**Title/Topic**	**Assessment**	**Standards**	**Rubric**
Pre-assessment	**PSAT**	• PSAT		
	Pre-assessment	• Whitman & Hughes: Two Poem Comparison	Whitman and Hughes: Two Poem Comparison: RL.1, RL.2, RL.9, RL.10,	
Unit One	**The American Dream**	• American Dream Synthesis Essay Instructions (CP)	American Dream Synthesis Essay: RI.1, RI.2, RI.3, RI.6, RI.7, RI.8, RI.9, W.1, W.1a, W.1b, W.1c, W.1d, W.1e, W.4, W.5, W.7, W.9, W.10, L.1, L.2, L.3	AD Synthesis Essay Rubric 2021-2022
Unit Two	**Rhetoric of the Revolution**	• Bush 9/11 Speech Prompt • 17. Persuasive Letter to Your Legislator Assignment 2021-2022 • Super Bowl collaborative ad analysis • Analysis of Greta Thunberg's speech to the UN • Patrick Henry's Speech to the Virginia Convention: Rhetorical Analysis • Independent founding document rhetorical analysis project	Bush 9/11 Speech: RI.1, RI.4, RI.5, RI.6, RI.8, RI.10, W.2, W.2a, W.2b, W.2c, W.2d, W.2e, W.2f, W.4, W.9, L.6 Persuasive Letter to Legislator: RI.1, RI.2, RI.3, RI.6, RI.7, RI.8, RI.9, W.1, W.1a, W.1b, W.1c, W.1d, W.1e, W.4, W.5, W.7, W.9, W.10, L.1, L.2, L.3 Patrick Henry Speech Analysis: RI.1, RI.4, RI.5, RI.6, RI.8, RI.9, RI.10, W.2, W.2a, W.2b, W.2c, W.2d, W.2e, W.2f, W.4, W.9, L.6	Rhetorical Analysis Scoring Guide Persuasive Letter to Legislator Rubric 2021-2022 Patrick Henry's Speech to the Virginia Convention: Rhetorical Analysis
Midyear	**Midyear Exam**	• 2022 CP Junior Midyear	Midyear: RI.1, RI.4, RI.5, RI.6, RI.8, RI.10, W.2, W.2a, W.2b, W.2c, W.2d, W.2e, W.2f, W.4, W.9, L.6	Midyear Open Response Rubric
Unit Three	**History and Literature**	• Chapter 1-4 Paragraph • 2-3 synthesis short/answers paragraphs – using historical/informational texts paired with key moments from novel • Synthesis Task	Reading Literature: RL.1, RL.2, RL.4, RL.5, RL.10 Writing Informational and Explanatory Texts: W.2, W.2a, W.2b, W.2c, W.2d, W.2e, W.2f	Chapter 1-4 Paragraph
Unit Four	**Mass Hysteria and Propaganda**	• 1-2 paragraphs analyzing the development of a theme in the text • 1 paragraph comparing The Cold War/McCarthyism to *The Crucible* • Multimedia presentation that compares themes of mass hysteria in *The Crucible* to historical or contemporary examples of mass hysteria		

Merging Internal and External Assessment Data and Making it Useful
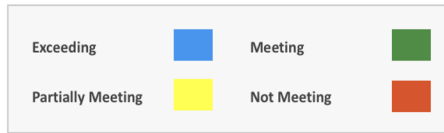
Next Steps – NHS

Enhanced internal data
- PSAT, actionable data

Data Cycle
- Stage Two Mapping

Curriculum Work
- Stage Two Mapping
- Common assessments
- Portfolio

Program Development
- 9th Grade Transition
- Strategies/Language Based Program
- College and Career Readiness
- Advisory