Lyme-Old Lyme Schools Achievement Data

October 2022



Presentation Expectations

What you will see:

- Overview of assessment types
- District and/or grade level achievement data from state assessments (SAT, SBAC, NGSS)
- AP Data from Spring 2022
- Samples of current nationally normed benchmark assessments (K-8)
- Sample curricular assessment (K-3)
- Enhanced continuous improvements that include intervention strategies to support teaching/learning

Objective: Using state and local data, administrators will update the BOE and community on student achievement results and how we monitor student growth/progress throughout the school year.

Common Types of Assessment

State Testing

- Required in grades 3-8, 11
- Data used in accountability report
- Data is public

Benchmark

- Nationally standardized assessment
- Used to inform intervention services
- Measures growth over time

Summative

- End of unit assessment
- Grades accessible to student and parent

Formative

- Primary use: inform instruction
- Grades may or may not be included in final averages
- Can take many forms/formats



Lyme-Old Lyme SBAC Results Grades 3-5

English Language Arts	
Areas of Knowledge and Skills Measured:	**Statement About Student Learning from which the Assessment was Built**
READING Literary (fiction) & informational (nonfiction) texts	The student can read closely and analytically to comprehend a range of increasingly complex literary and informational texts
WRITING - Organization & Purpose - Evidence & Elaboration - Conventions	The students can produce effective and well-grounded writing for a range of purposes and audiences
LISTENING	The students can employ effective listening skills for a range of purposes and audiences
RESEARCH	The student can engage in research and inquiry to investigate topics

Mathematics	
Areas of Knowledge and Skills Measured:	Statement about Student Learning from which the Assessment was Built:
Concepts & Procedures	Students can explain and apply mathematical concepts and interpret and carry out mathematical procedures with precision and fluency
Problem Solving	Students can solve a range of complex well-posed problems in pure and applied mathematics, making productive use of knowledge and problem solving strategies
Modeling & Data Analysis	Students can analyze complex, real-world scenarios and can construct and use mathematical models to interpret and solve problems
Communicating Reasoning	Students can clearly and precisely construct viable arguments to support their own reasoning and to critique the reasoning of others

Types of Items on the Assessment



- Multiple choice/write-in responses for both ELA and Math
- Computer Adaptive Technology
- Embedded tools

SCORING

- Students receive an overall vertical scale score in each subject
- Scores range from ~ 2100 to 2800 spanning grades 3 to 8
- Math vertical scores cannot be compared to ELA scores
- Scores are divided into 4 levels

Content Area	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Mathematics						
Level 4	2501-2621	2549-2659	2579-2700	2610-2748	2635-2778	2653-2802
Level 3	2436-2500	2485-2548	2528-2578	2552-2609	2567-2634	2586-2652
Level 2	2381-2435	2411-2484	2455-2527	2473-2551	2484-2566	2504-2585
Level 1	2189-2380	2204-2410	2219-2454	2235-2472	2250-2483	2265-2503
ELA/Literacy						
Level 4	2490-2623	2533-2663	2582-2701	2618-2724	2649-2745	2668-2769
Level 3	2432-2489	2473-2532	2502-2581	2531-2617	2552-2648	2567-2667
Level 2	2367-2431	2416-2472	2442-2501	2457-2530	2479-2551	2487-2566
Level 1	2114-2366	2131-2415	2201-2441	2210-2456	2258-2478	2288-2486

2021-2022 AVERAGE **ELA** SCALE SCORES BY GRADE LEVEL

Level	Grade 3	Grade 4	Grade 5
Level 4	2490-2623	2533-2663	2582-2701 2583
Level 3	2432-2489 2475	2473-2532 2518	2502-2581
Level 2	2367-2431	2416-2472	2442-2501
Level 1	2114-2366	2131-2415	2201-2441

ELA SBAC ACHIEVEMENT RESULTS Longitudinal Cohort Scale Score

	Scale Score 18-19	COVID 19-20	Scale Score 20-21	Scale Score 21-22
3	**2496**		**2479**	**2475**
4	**2526**		**2583**	**2518**
5	**2610**		**2586**	**2583**

ELA SBAC ACHIEVEMENT RESULTS Longitudinal Cohort % at or Above Goal

	% at or above goal 18-19	COVID 19-20	% at or above goal 20-21	% at or above goal 21-22
3	81%		76%	73%
4	71%		80%	71%
5	93%		87%	88%

ELA SBAC ACHIEVEMENT RESULTS Longitudinal Cohort Ranking

	Ranking 18-19 Scaled Score/Goal	COVID 19-20	Ranking 20-21 Scaled Score/Goal	Ranking 21-22 Scaled Score/Goal
3	**10th/15th**		***No ranking***	**21st/21st**
4	**22nd/56th**		***No Ranking***	**18th/30th**
5	**2nd/2nd**		***No Ranking***	**3rd/1st**

2021-2022 AVERAGE **MATH** SCALE SCORES BY GRADE LEVEL

Level	Grade 3	Grade 4	Grade 5
Level 4	2501-2621	2549-2659	2579-2700 2580
Level 3	2436-2500 2489	2485-2548 2522	2528-2578
Level 2	2381-2435	2411-2484	2455-2527
Level 1	2189-2380	2204-2410	2219-2454

MATH SBAC ACHIEVEMENT RESULTS
Longitudinal Rough Cohort

	Scale Score 18-19	COVID 19-20	Scale Score 20-21	Scale Score 21-22
3	**2496**		**2496**	**2489**
4	**2562**		**2545**	**2522**
5	**2610**		**2573**	**2580**

MATH SBAC ACHIEVEMENT RESULTS
Longitudinal Rough Cohort

	% at or above goal 18-19	COVID 19-20	% at or above goal 20-21	% at or above goal 21-22
3	81%		77%	80%
4	71%		80%	70%
5	93%		76%	77%

MATH SBAC ACHIEVEMENT RESULTS
Longitudinal Rough Cohort

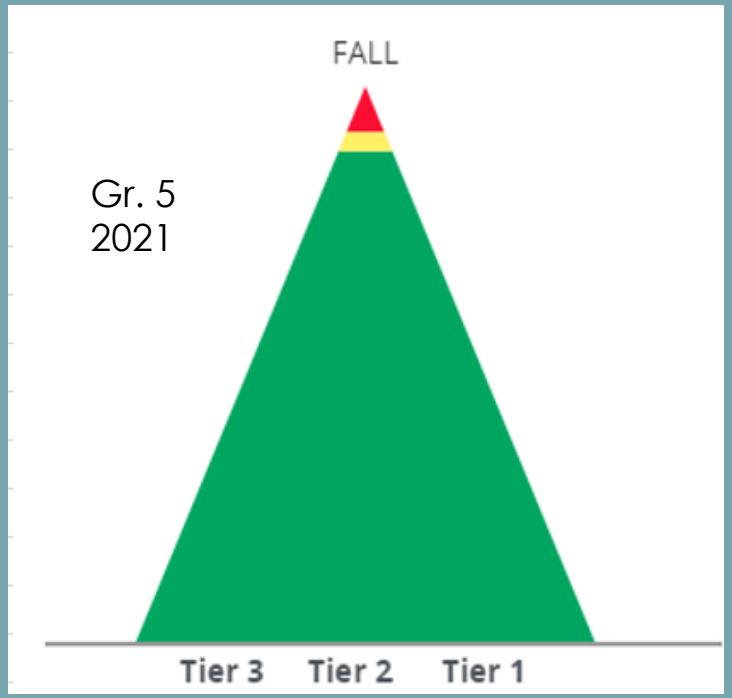
	Ranking 1 8-19 Scaled Score/Goal	COVID 19-20	Ranking 20-21 Scaled Score/Goal	Ranking 21-22 Scaled Score/Goal
3	**4th/4th**		***No Ranking***	**12th/11th**
4	**10th/14th**		***No Ranking***	**35th/19th**
5	**2nd/5th**		***No Ranking***	**4th/3rd**

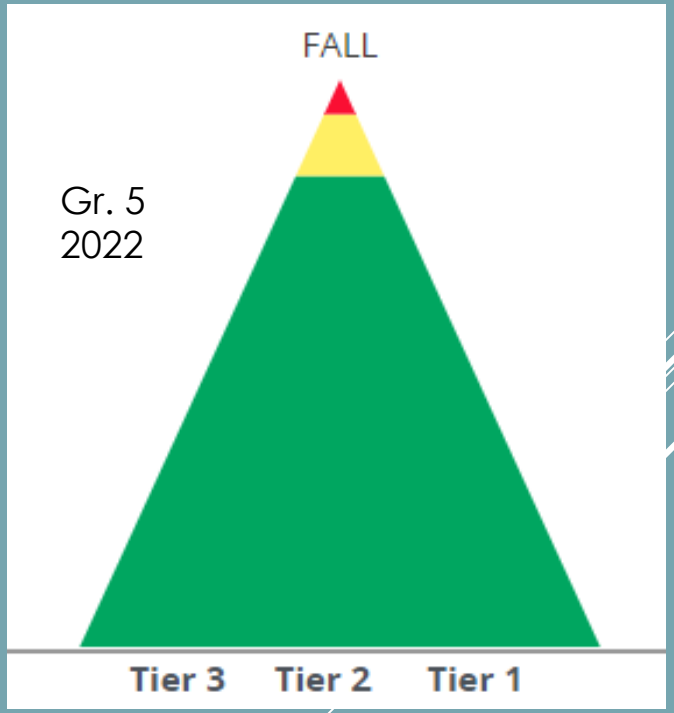
Achievement Vs. Growth

Achievement: *A snapshot measure of academic performance.*

Growth: *A change in achievement between one or more points.*

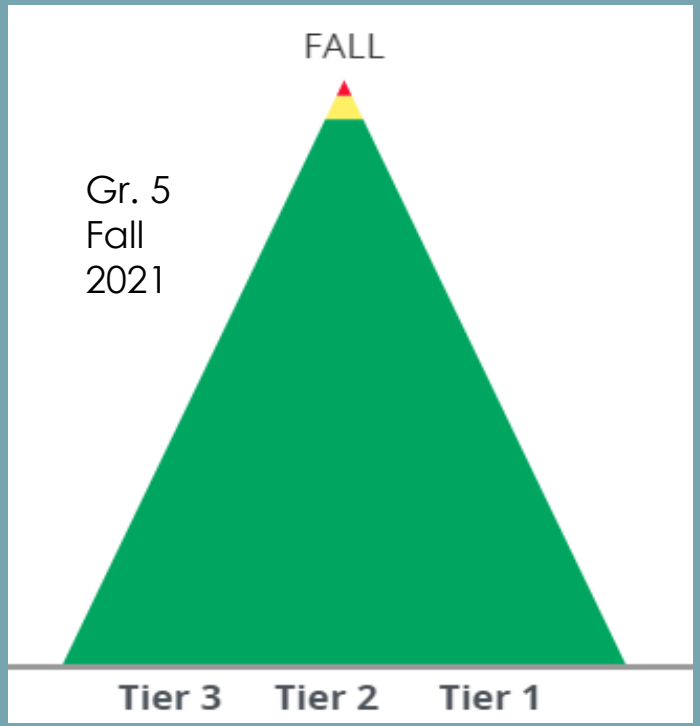
Sample: Elementary Benchmark Rough Cohort 21-22 Reading

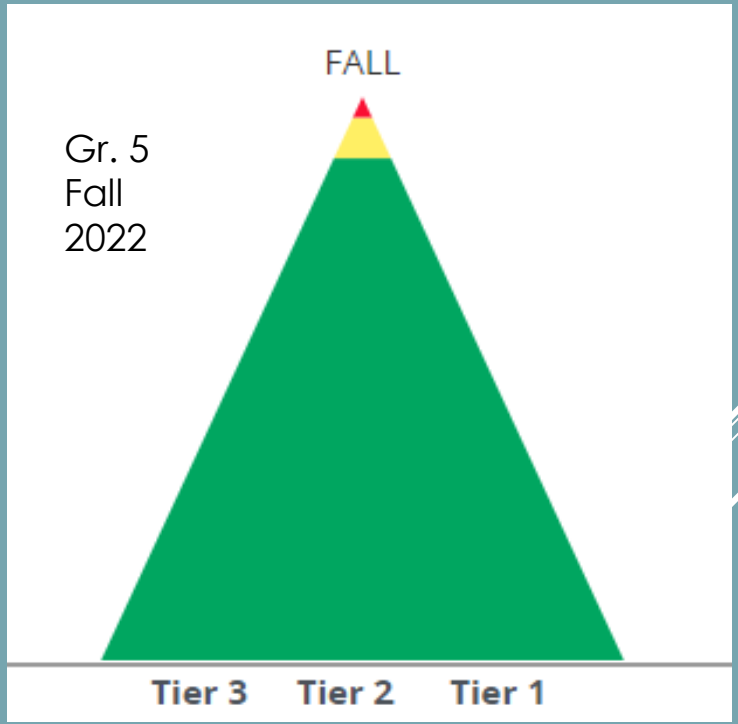




Green = Met goal Yellow = Approaching Goal Red = Below Goal

Sample: Elementary Benchmark Rough Cohort 21-22 Math





Green = Met goal Yellow = Approaching Goal Red = Below Goal

ELA Fundations Tracker (Formative/Summative)

Test Date	Sounds (5)	WORDS		SENTENCES		Total % Correct
		Spelling (5)	Marking (5)	Phonetic (5)	Trick (5)	
12/18/2020	5	5	5	5	5	100%
12/18/2020	5	4	5	4	4	88%
12/18/2020						
12/18/2020	5	4	5	5	4	92%
12/18/2020	4	5	4	4	4	84%
12/18/2020	5	4	5	3	4	84%
12/18/2020	5	5	5	3	2	
12/18/2020	4	5	5	4	5	92%
12/18/2020	4	3	0	4	5	64%
12/18/2020	4	3	3	4	1	60%
12/18/2020	4	5	5	5	5	96%
12/18/2020	4	4	4	4	2	72%

Grade level sample from unit assessment:

Data is used to inform instruction:

- Re-teaching
- Targeted intervention
- Monitor growth over time

Bridges Pre-Assessment (Formative)

MCE Student solves at least 6 facts correctly.	MCE Stude…aws a 6 x 8 arra…d demonstra…ny accurate st…gy for finding product.	MCE Student solves at least three problems correctly.	MCE Student solves at least three problems correctly.
1	0	1	1
1	1	1	1
1	1	1	1
1	0	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	0	0	1

Grade level sample from unit pre-assessment:

Data is used to inform instruction:

- What off grade level standards need review/reteaching
- Whole class vs. targeted support
- Curriculum compacting

Continuous Improvement Model

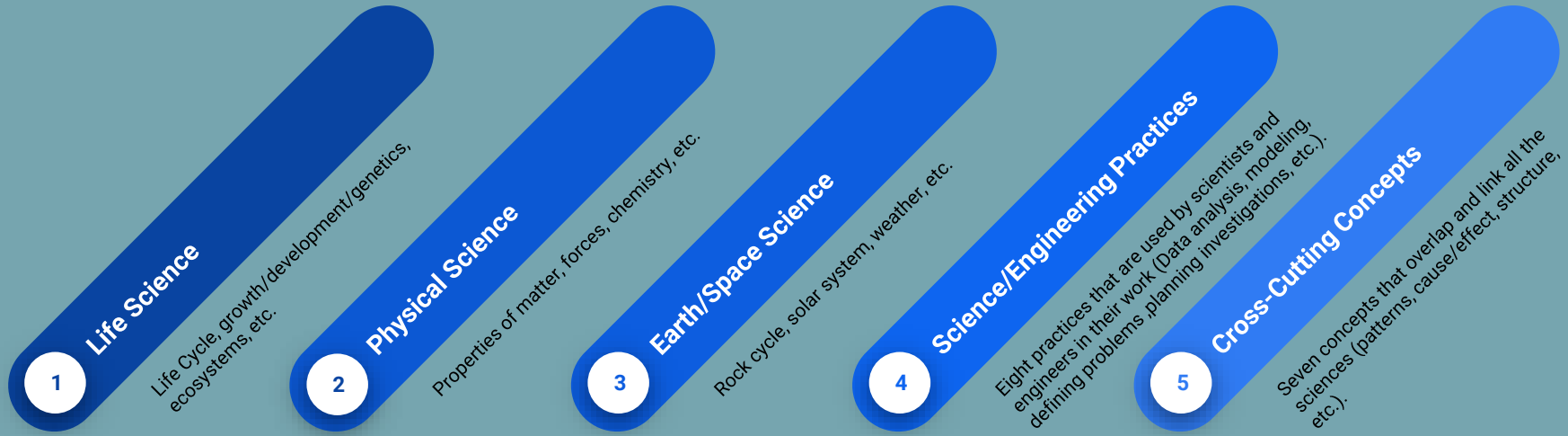
SBAC is high stakes for districts	• Achievement is part of the district “report card” • Public information • Teachers take ownership for data
Many years worth of trend data	• Trend and cohort data available for all demographics • Benchmark and progress monitoring allows for year-long growth measures
Achievement and growth are different measures	• Achievement against standards informs curricular and instructional changes • Growth trends inform *where/with whom* to differentiate curriculum and instruction • Teacher SLOs
SBAC preparation supports success	• Interim Assessment Blocks/AVA • Embedded curricular practice • Expanded progress monitoring through SRBI



NEXT GENERATION SCIENCE STANDARDS

For States, By States

NGSS Components



SCIENCE ACHIEVEMENT RESULTS Rough Cohort

	Scale Score 18-19	COVID 19-20	Scale Score 20-21	Scale Score 21-22
5	527		520	521

SCIENCE ACHIEVEMENT RESULTS Rough Cohort

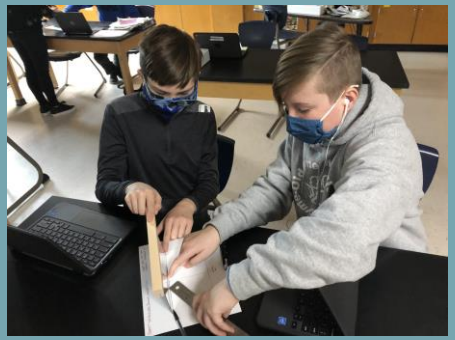
	% at or above goal 18-19	COVID 19-20	% at or above goal 20-21	% at or above goal 21-22
5	90%		82%	81%

SCIENCE ACHIEVEMENT RESULTS Rough Cohort

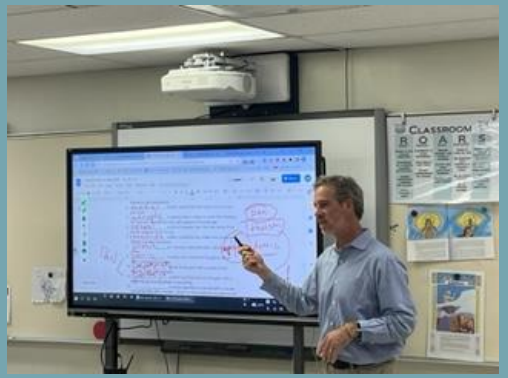
	Ranking 18-19 Scaled Score/% at or above goal	COVID 19-20	Ranking 20-21 Scaled Score/% at or above goal	Ranking 21-22 Scaled Score/% at or above goal
5	**1st/2nd**		***NR***	**9th/9th**

Continuous Improvement Model

NGSS is high stakes for districts	• Achievement is part of the district “report card” • Public information • Teachers take ownership for data K-12
New assessment	• Only three testing years • Minimum of three years for valid results/deeper meaning • Rough trend data available
NGSS preparation supports growth	• NGSS IABs • Replenished investigation supplies K-5, supplemental materials/practice



Lyme-Old Lyme Middle School SBAC/NGSS Results Spring 2022







2021-2022 AVERAGE **ELA** SCALE SCORES BY GRADE LEVEL

Level	Grade 6	Grade 7	Grade 8
Level 4	2618-2724	2649-2745	2668-2769
Level 3	2531-2617 **2585**	2552-2648 **2579**	2567-2667 **2636**
Level 2	2457-2530	2479-2551	2487-2566
Level 1	2210-2456	2258-2478	2288-2486

ELA SBAC SCALE SCORE RESULTS

SCALE SCORE		Scale Score 2018-19	2019-2020	Scale Score 2020-21	Scale Score 2021-22
	6	2588		2553	2585
	7	2622		2627	2579
	8	2640		2622	2636

ELA SBAC SCALE SCORE RANKING RESULTS

SCALE SCORE RANKING		Scale Score Ranking 2018-19	2019-2020	Scale Score Ranking 2020-21	Scale Score Ranking 2021-22
	6	24th		NR	15th
	7	15th		NR	47th
	8	10th		NR	4th

ELA SBAC % at or ABOVE GOAL RESULTS

% at or ABOVE GOAL		% at 3 or 4 2018-19	2019-2020	% at 3 or 4 2020-21	% at 3 or 4 2021-22
	6	**75%**		**64%**	**74%**
	7	**77%**		**83%**	**70%**
	8	**81%**		**75%**	**82%**

ELA SBAC % at or ABOVE GOAL RANKING RESULTS

% at or ABOVE GOAL RANKING		% at 3 or 4 Ranking 2018-19	2019-21	% at 3 or 4 Ranking 2020-21	% at 3 or 4 Ranking 2021-22
	6	33rd		NR	22nd
	7	27th		NR	32nd
	8	19th		NR	6th

MATH

2021-2022 AVERAGE **MATH** SCALE SCORES BY GRADE LEVEL

Level	Grade 6	Grade 7	Grade 8
Level 4	2610–2748	2635–2778	2653–2802
Level 3	2552–2609 **2580**	2567–2634 **2600**	2586–2652 **2636**
Level 2	2473–2551	2484-2566	2504-2585
Level 1	2235-2472	2250-2483	2265-2503

MATH SBAC SCALE SCORE RESULTS

SCALE SCORE		Scale Score 2018-19	2019-2020	Scale Score 2020-21	Scale Score 2021-22
	6	**2571**		**2531**	**2580**
	7	**2627**		**2617**	**2600**
	8	**2646**		**2611**	**2636**

MATH SBAC SCALE SCORE RANKING RESULTS

SCALE SCORE RANKING		Scale Score Ranking 2018-19	2019-2020	Scale Score Ranking 2020-21	Scale Score Ranking 2021-22
	6	47th		NR	22nd
	7	8th		NR	21st
	8	9th		NR	4th

MATH SBAC % at or ABOVE GOAL RESULTS

% at or ABOVE GOAL		% at 3 or 4 2018-19	2019-2020	% at 3 or 4 2020-21	% at 3 or 4 2021-22
	6	**66%**		**44%**	**69%**
	7	**81%**		**75%**	**60%**
	8	**74%**		**62%**	**71%**

MATH SBAC % at or ABOVE GOAL RANKING RESULTS

% at or ABOVE GOAL RANKING		% at 3 or 4 Ranking 2018-19	2019-21	% at 3 or 4 Ranking 2020-21	% at 3 or 4 Ranking 2021-22
	6	34th		NR	22nd
	7	6th		NR	39th
	8	11th		NR	4th

Multiple Data Points

- i-Ready is a universal screen given to all students at the beginning of Grades 6, 7, & 8.
- Benchmark Assessments
- Curriculum Based Assessments
  - Teacher Created - Content & Skill-based
- Interim Assessment Blocks (IABs)
- Formative Assessments

- All of this data is utilized to drive classroom instruction as well as identify students who require intervention and skill weaknesses
- These data points inform our intervention programs
  - Literacy Lab
  - Math Lab
  - Math Connection
  - Academic Lab

Next Generation Science Standards Assessment

NGSS Assessment Results

Percentage of students scoring proficient or better

Grade 8	2018-19	2019-20	2020-21	2021-22
Average Scale Score	822		816	826
Scale Score Ranking	4th Place		No Ranking	1st Place
% Score at or Above Goal	84%		73%	86%
% Ranking at or Above Goal	4th Place		No Ranking	2nd Place

Final Questions?