Lyme-Old Lyme Schools Achievement Data

October 2, 2019

State Assessments and Agenda

SBAC

- Review of test components
- Achievement results
- Growth Information
- Continued improvement

SAT

- Review of test components
- Achievement results
- Growth expectations
- Continued improvement

NGSS

- Review of test components
- Achievement results
- Teacher/Student supports

SAT®

SAT COMPONENTS

1. Content Based Vocabulary
2. Evidence Based Reading & Writing
3. Math That Matters Most
4. Real World Context/Phenomena
5. US Founding Documents and Data Analysis

ERW SAT 2016-2017	ERW SAT 2017-2018	ERW SAT 2018-2019 (136)	MATH SAT 2016-2017	MATH SAT 2017-2018	MATH SAT 2018-2019 (136)
596	576	**580**	569	564	**580**
State ranking: 10th	State ranking: 17th	**State ranking: 10th**	State ranking: 19th	State ranking: 20th	**State ranking: 10th**

Top 10 ELA SAT	Mean Score/% at or above	
New Cannan	618/94%	1st
Wilton	614/92%	2nd
Westport	612/92%	3rd
Darien	611/93%	4th
Ridgefield	604/87%	5th
Weston	604/87%	6th
Simsbury	589/86%	7th
Region 9	588/90%	8th
Avon	583/84%	9th
Region 18	**580/86%**	**10th**

Top 10 MATH SAT	Mean Score/% at or above	
Darien	628/86%	1st
New Cannan	619/81%	2nd
Westport	610/78%	3rd
Ridgefield	604/80%	4th
Wilton	595/76%	5th
Weston	590/74%	6th
Avon	588/73%	7th
Region 9	587/75%	8th
Glastonbury	583/73%	9th
Region 18	**580/75%**	**10th**

SAT Shoreline Comparisons Mean Score/at or above

Shoreline School	ERW Mean /%at or above goal	
Lyme-Old Lyme	**580/86%**	**10th**
Madison	579/86%	12th
Guilford	577/86%	14th
Region 4	565/79%	24th
East Lyme	554/79%	36th
Westbrook	551/78%	41st
Clinton	537/70%	52nd
Old Saybrook	532/79%	59th

Shoreline School	MATH Mean/% at or above goal	
Lyme-Old Lyme	**580/75%**	**10th**
Madison	579/72%	12th
Guilford	576/87%	14th
Region 4	537/54%	36th
East Lyme	533/53%	38th
Westbrook	530/55%	42nd
Old Saybrook	528/55%	44th
Clinton	492/37%	85th

What we know is true and continuous improvement

SAT is high stakes for students *and* districts	• Public information • Achievement is part of the district “report card” • College entrance exam
Many years worth of trend data	• Historic achievement helps with curriculum review and instructional practices
Achievement and growth are different measures	• Growth in PSAT 9/10 • Growth calculator to estimate % of growth • Teacher SLOs
SAT Preparation supports success	• Ivy Bound student and teacher sessions • Khan Academy • Embedded curricular practice • TASC/Special Education intervention

SAT Questions?

Lyme-Old Lyme SBAC Results

2018-2019

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

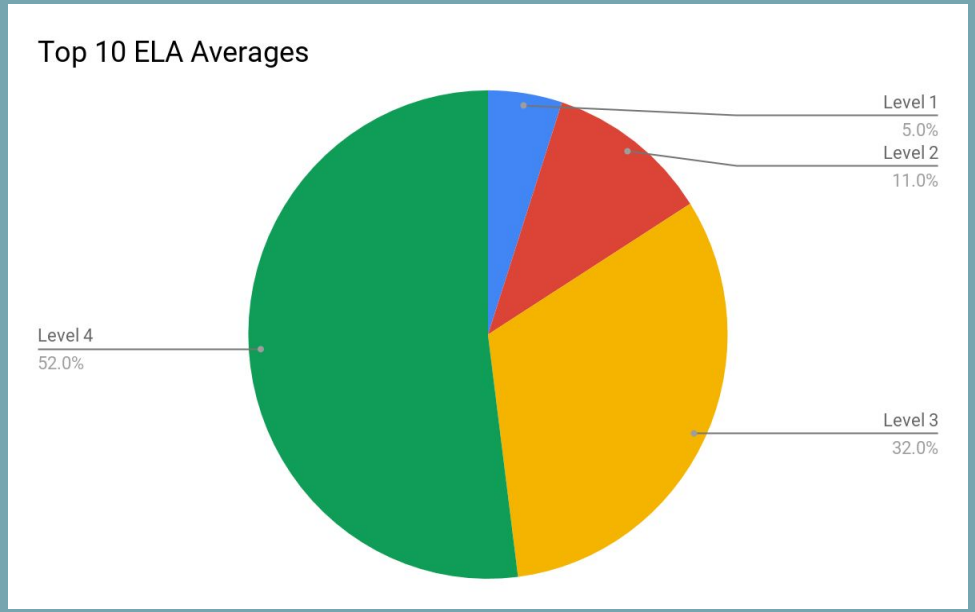
2018-2019 AVERAGE ELA SCALE SCORES BY GRADE LEVEL

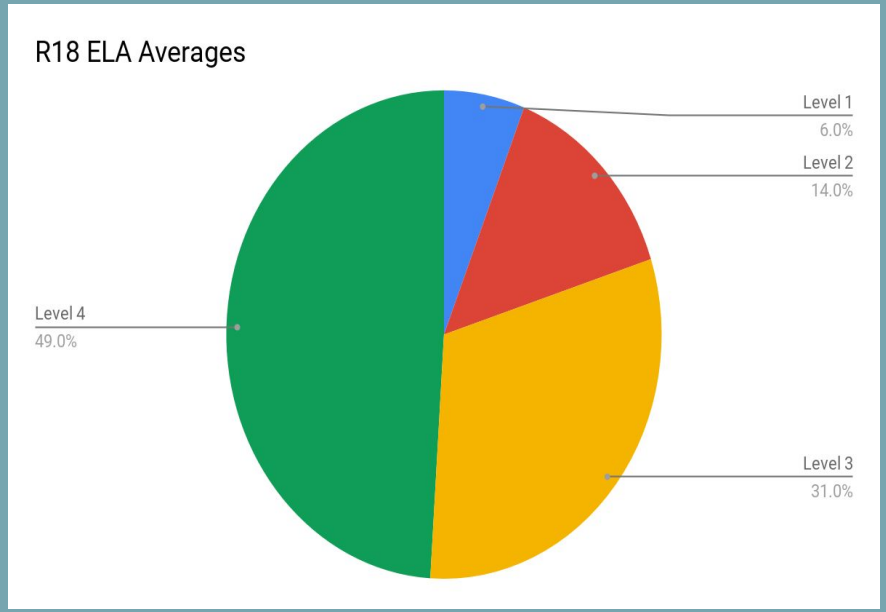
Level	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Level 4	2490-2623 **2496**	2533-2663	2582-2701 **2610**	2618-2724	2649-2745	2668-2769
Level 3	2432-2489	2473-2532 **2526**	2502-2581	2531-2617 **2588**	2552-2648 **2622**	2567-2667 **2640**
Level 2	2367-2431	2416-2472	2442-2501	2457-2530	2479-2551	2487-2566
Level 1	2114-2366	2131-2415	2201-2441	2210-2456	2258-2478	2288-2486

2018-2019 ELA BREAKOUT BY GRADE LEVEL

GRADE	SCALE SCORE	% at 3 or 4	% at 2	% at 1
3	2496	81%	*	*
4	2526	71%	12%	17%
5	2610	93%	*	*
6	2588	75%	10%	15%
7	2622	77%	*	*
8	2640	81%	6%	13%

Top 10 ELA vs. R18 ELA Averages

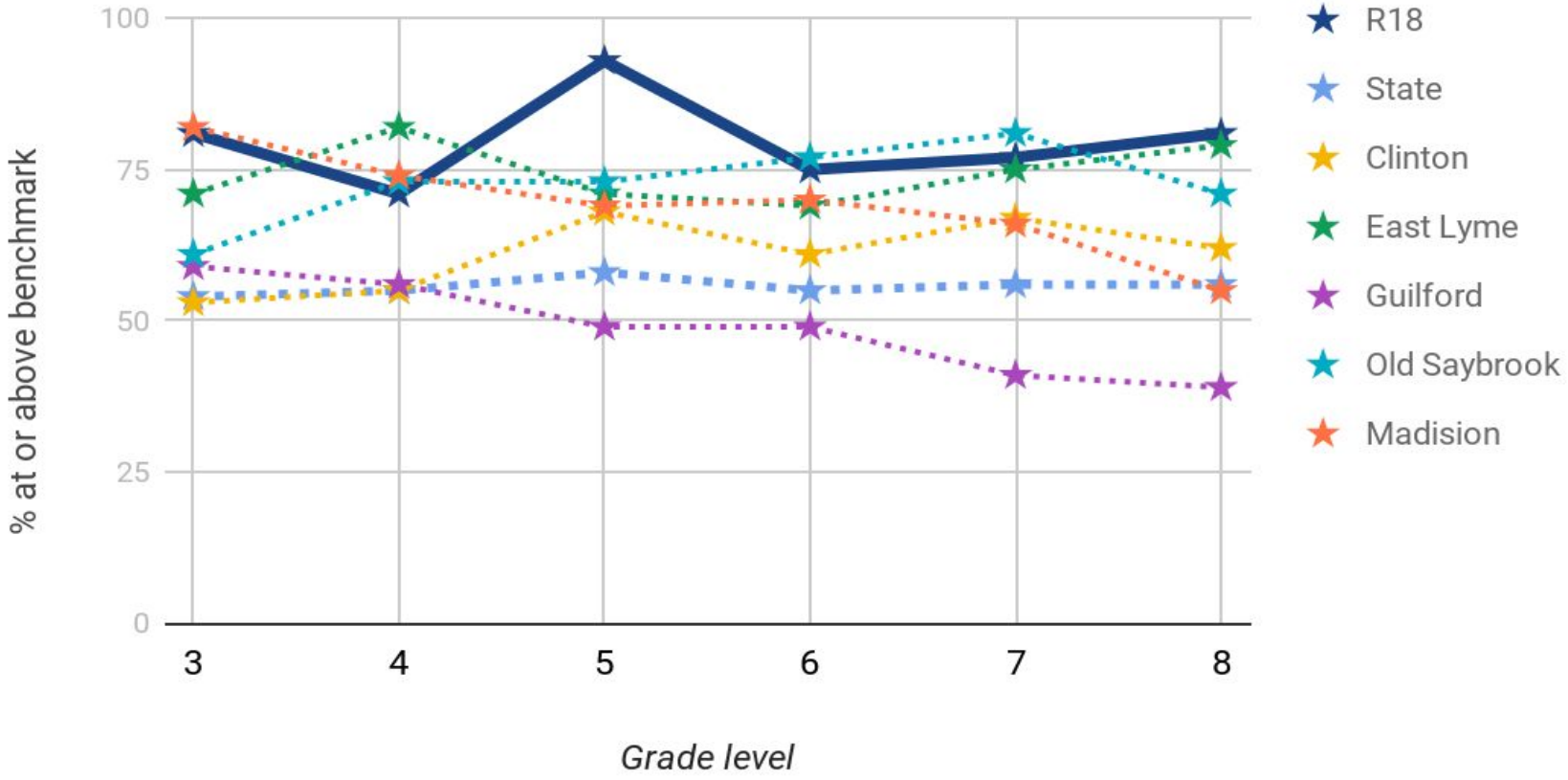




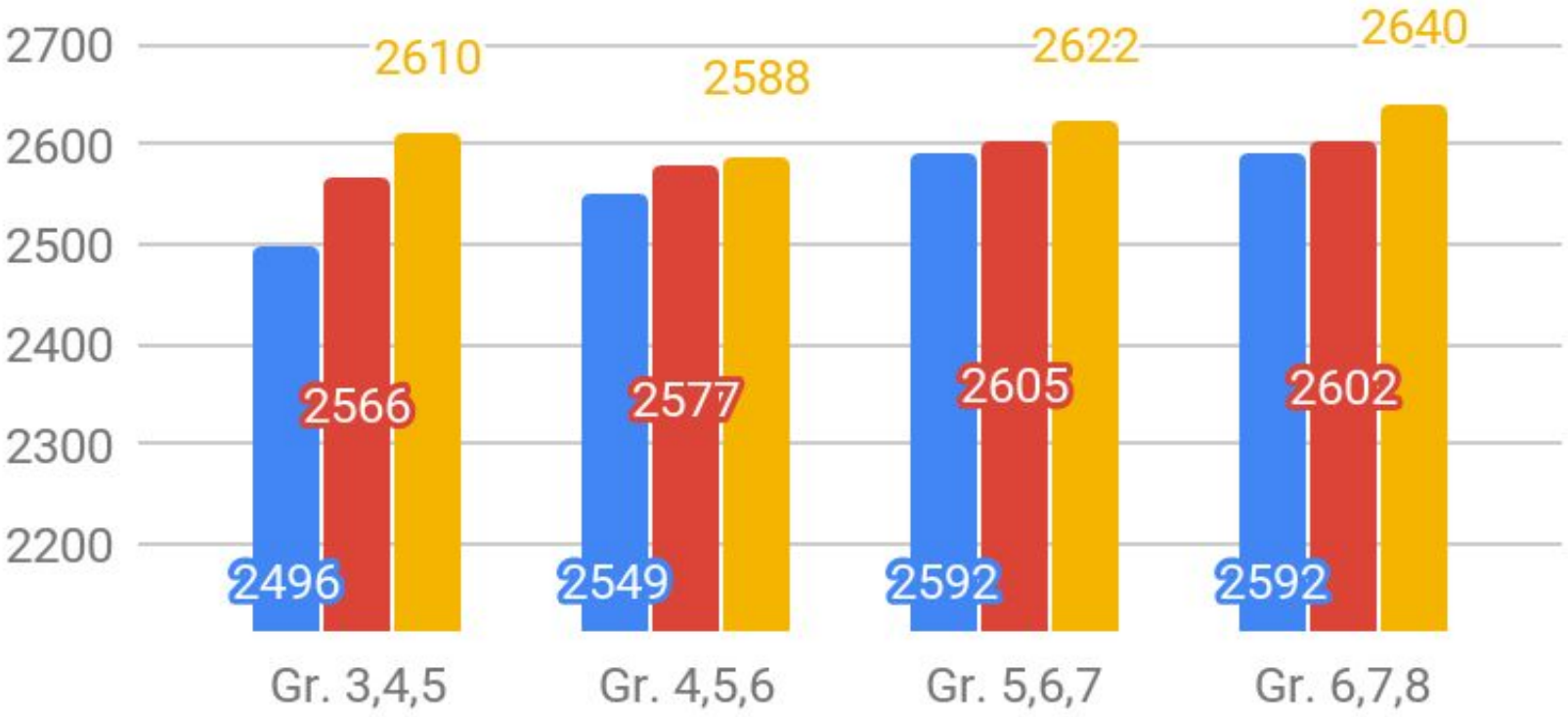
ELA SBAC PERFORMANCE RESULTS

	Scale Score 2016-17	Scale Score 2017-18	Scale Score 2018-2019	% at 3 or 4 2016-17	% at 3 or 4 2017-18	% at 3 or 4 2018-2019	Ranking 2016-17	Ranking 2017-18	Ranking 2018-2019 (132-160)
3	2496	2485	**2496**	78%	86%	**81%**	17th	4th	**15th**
4	2549	2566	**2526**	86%	92%	**71%**	3rd	2nd	**56th**
5	2592	2577	**2610**	90%	81%	**93%**	2nd	22nd	**2nd**
6	2592	2605	**2588**	81%	70%	**75%**	15th	14th	**32nd**
7	2593	2602	**2622**	76%	79%	**77%**	30th	23rd	**27th**
8	2609	2613	**2640**	71%	73%	**81%**	38th	48th	**19th**

Shoreline ELA % At or Above



ELA Cohort Growth 2017-2019



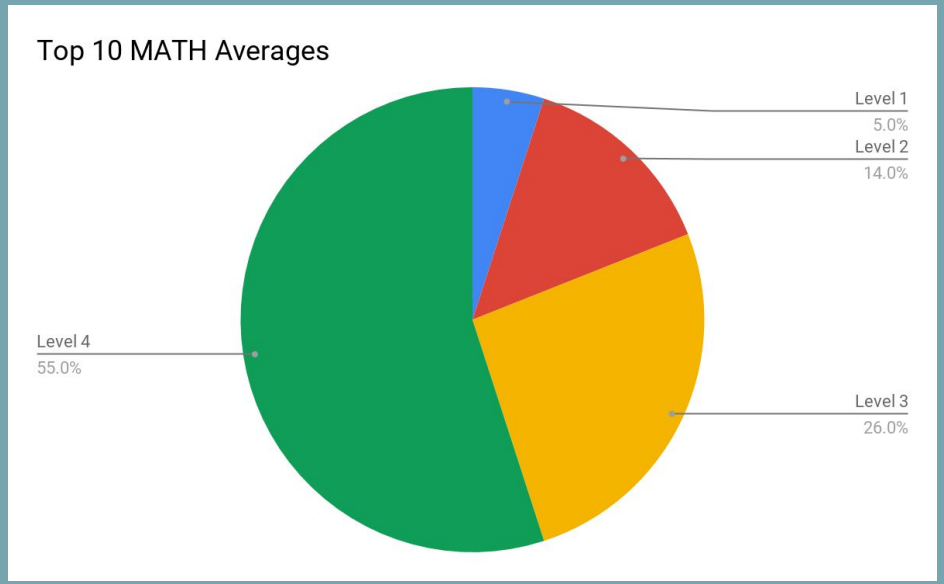
2017-2018 AVERAGE MATH SCALE SCORES BY GRADE LEVEL

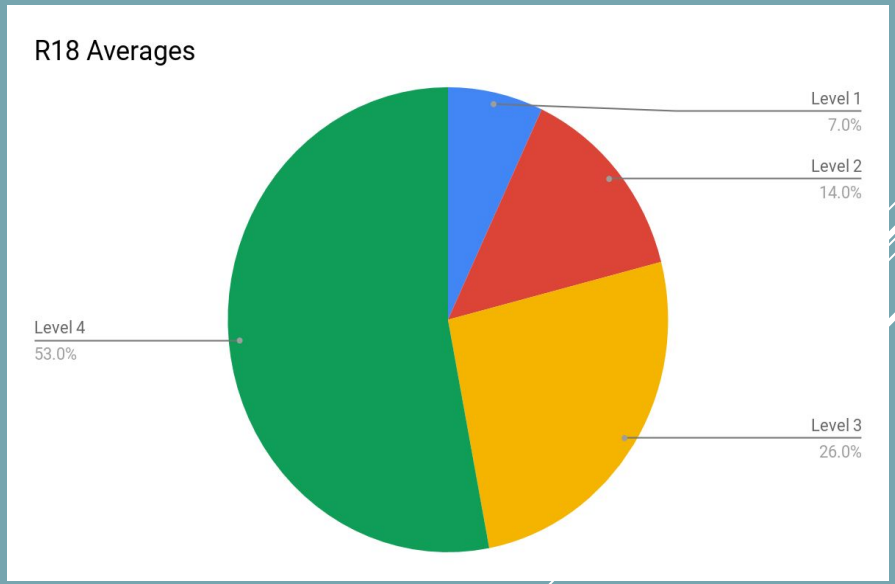
Level	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Level 4	2501-2621 **2516**	2549-2659 **2551**	2579-2700 **2601**	2610-2748	2635-2778	2653-2802
Level 3	2436-2500	2485-2548	2528-2578	2552-2609 **2571**	2567-2634 **2627**	2586-2652 **2646**
Level 2	2381-2435	2411-2484	2455-2527	2473-2551	2484-2566	2504-2585
Level 1	2189-2380	2204-2410	2219-2454	2235-2472	2250-2483	2265-2503

2018-2019 MATH BREAKOUT BY GRADE LEVEL

GRADE	SCALE SCORE	% at 3 or 4	% at 2	% at 1
3	2516	90%	*	*
4	2551	81%	11%	7%
5	2601	85%	*	*
6	2571	66%	21%	14%
7	2627	81%	12%	7%
8	2646	74%	18%	8%

Top 10 MATH vs. R18 Math Averages

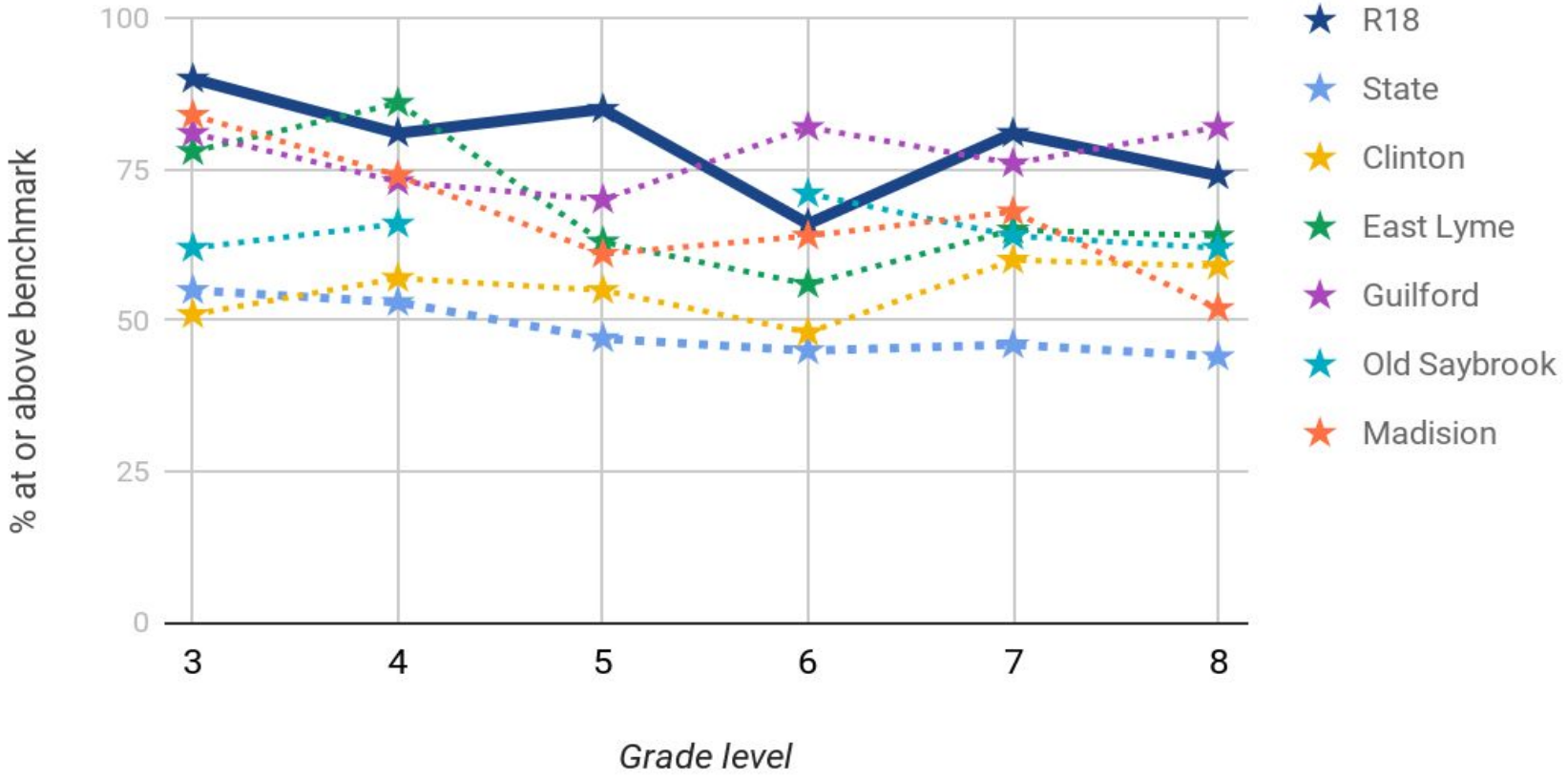




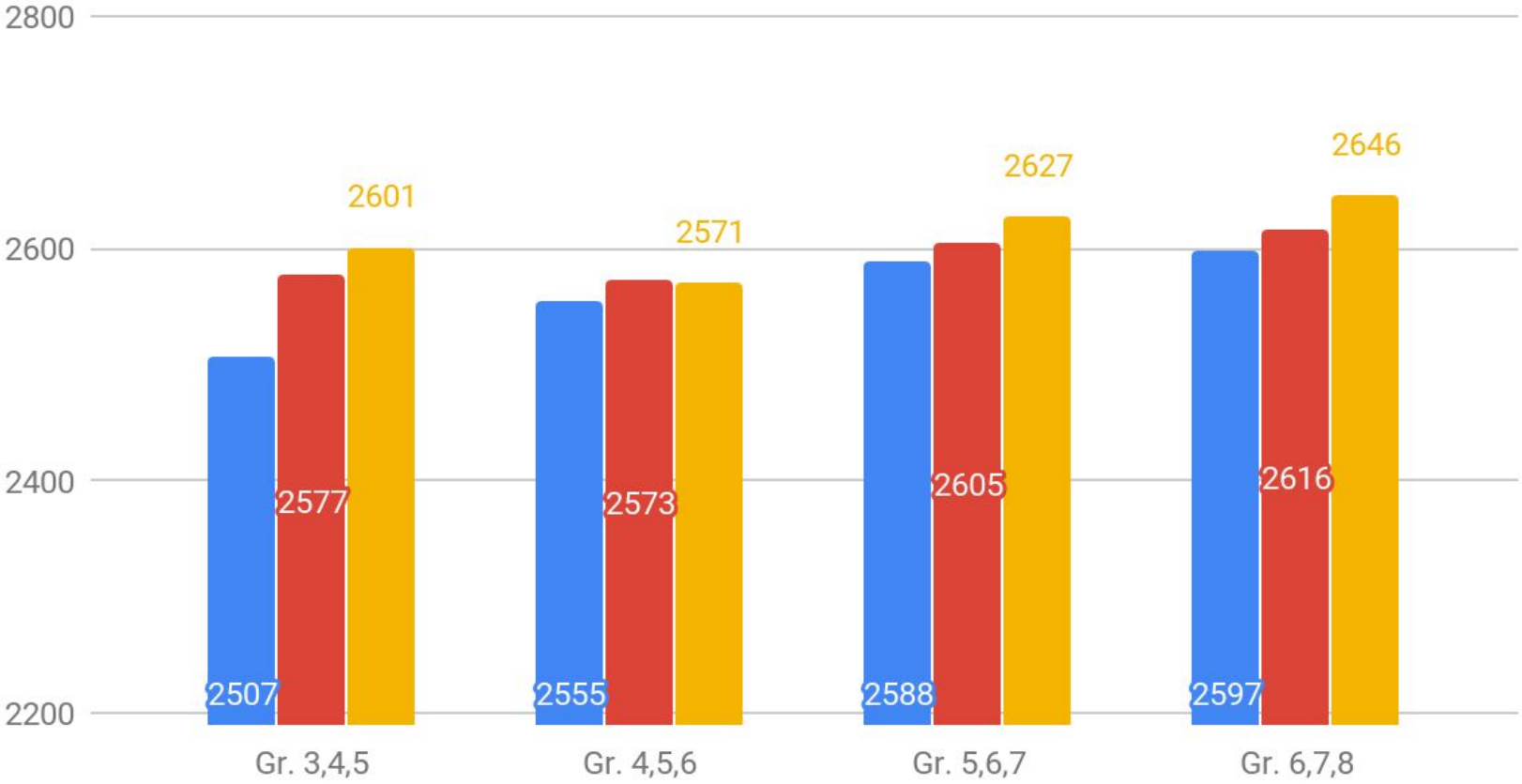
MATH SBAC PERFORMANCE RESULTS

	Scale Score 2016-17	Scale Score 2017-18	Scale Score 2018-19	% at 3 or 4 2016-17	% at 3 or 4 2017-18	% at 3 or 4 2018-19	Ranking 2016-17	Ranking 2017-18	Ranking 2018-19 (136-160)
3	2507	2494	**2516**	82%	82%	**90%**	8th	10th	**4th**
4	2555	2577	**2551**	89%	90%	**81%**	3rd	3rd	**17th**
5	2588	2573	**2601**	81%	*Not reported	**85%**	3rd	* (S.S. 9th)	**5th**
6	2597	2605	**2571**	74%	79%	**66%**	15th	5th	**34th**
7	2612	2616	**2627**	74%	74%	**81%**	10th	10th	**6th**
8	2633	2647	**2646**	71%	75%	**74%**	12th	10th	**11th**

Shoreline Math % At or Above



MATH Cohort Growth 2017-2019



Achievement Vs. Growth

Achievement: *A snapshot measure of academic performance*

SBAC Scale Score / Level

ELA Grade 5: 2581 / Level 3

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

Growth Rate (Target) and Percentage of Target Achieved

Yes or No / % of Target

What we know is true and continuous improvement

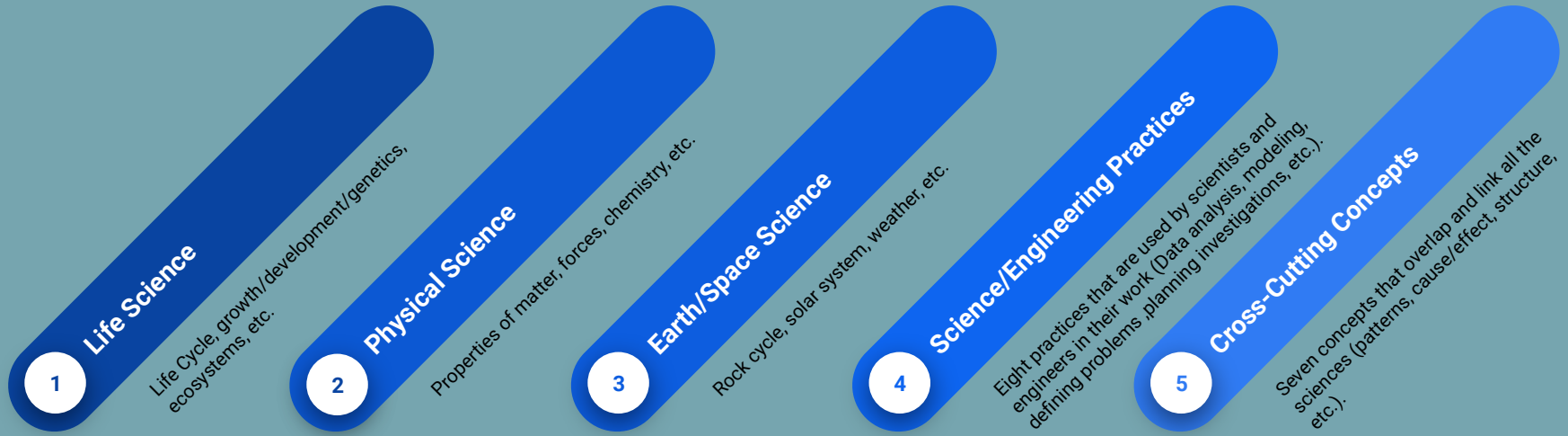
SBAC is high stakes for districts	• Achievement is part of the district “report card” • Public information • Teachers take ownership for data
Many years worth of trend data	• Trend and cohort data available for all demographics
Achievement and growth are different measures	• Achievement against standards 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

SBAC questions?

NEXT GENERATION SCIENCE STANDARDS

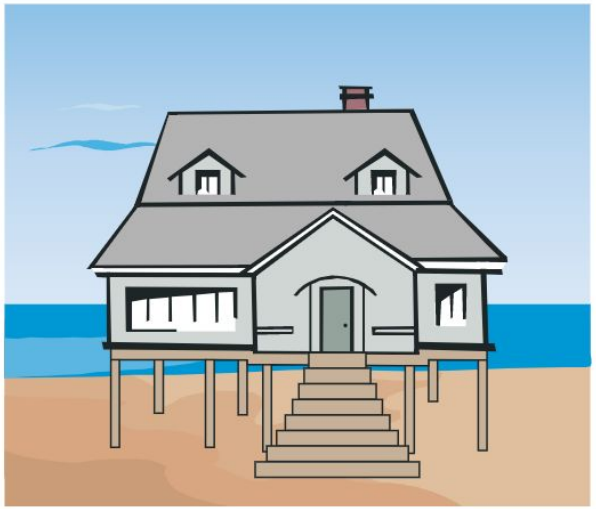
For States, By States

NGSS Components



Sometimes, when buildings are built near a[illegible] that are likely to flood, they are built on stilts. This allows the house and its contents to remain safe if the area floods. An example is shown in Figure 1.

Figure 1. Stilt House



Your Task

In the questions that follow, you will make a claim about the effectiveness of stilts as a solution to flooding.

Deductive reasoning based on Phenomena

Choose **three** ways that stilts protect houses from flooding.

	Protects Against	Does Not Protect Against
Household objects being washed away	☑	☐
Water damage to floors	☑	☐
Water damage to household objects	☑	☐
Yard flooding	☐	☑

Making a claim based on evidence gathered

Part D

Are stilts a good solution to deal with possible floods?

Click on each blank box to select the word or phrase that completes the sentences.

Stilts could be a [bad] solution to flooding because they [allow water to pass underneath the buildings]. This means that [stilts improve safety by reducing the possibility of buildings flooding].

2018-2019 NGSS Assessment Results

Grade	% at or above goal
5	90%
8	84%
11	71%

What we know is true and continuous improvement

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	• Minimum of three years for valid results/deeper meaning
Teacher preparation supports growth	• NGSS PD throughout school year focused on classroom practices and new standards • Walk-throughs to inform PD needs K-12
Student preparation supports success	• Practice test items • Updated curricular courses/materials/practice

Final Questions?