

CMT & Smarter Balanced Summative Assessment Results 2016-2017

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Stonington Public Schools

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Takeaways

- Understand the difference between growth and achievement.
- Learn how Connecticut's Growth Model is generated. (ELA/Math for Grades 4-8).
- Review the Achievement and Growth Data for Smarter Balanced Summative Assessments and Achievement Data for CMT Science.
- Examine specific implications for Stonington Public Schools.

Growth

versus

Achievement

Achievement Measure is Static

- A one-time snapshot measurement of a student's academic performance.

Growth Measure is Dynamic

- Change in achievement scores for the same student between two or more points in time.

- Each Measure Tells a Different Story

The Two Stories

Smarter Balanced Achievement Score

ELA Grade 7

74.8% of students scored 3 or 4

Stonington Average % Growth Target (PTA)

ELA Grade 7

60.5% made their target



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The Two Stories

Smarter Balanced Achievement Score

Mathematics Grade 4

80.8% of students scored 3 or 4

Stonington Average % Growth Target (PTA)

Mathematics Grade 4

86.2% made their target



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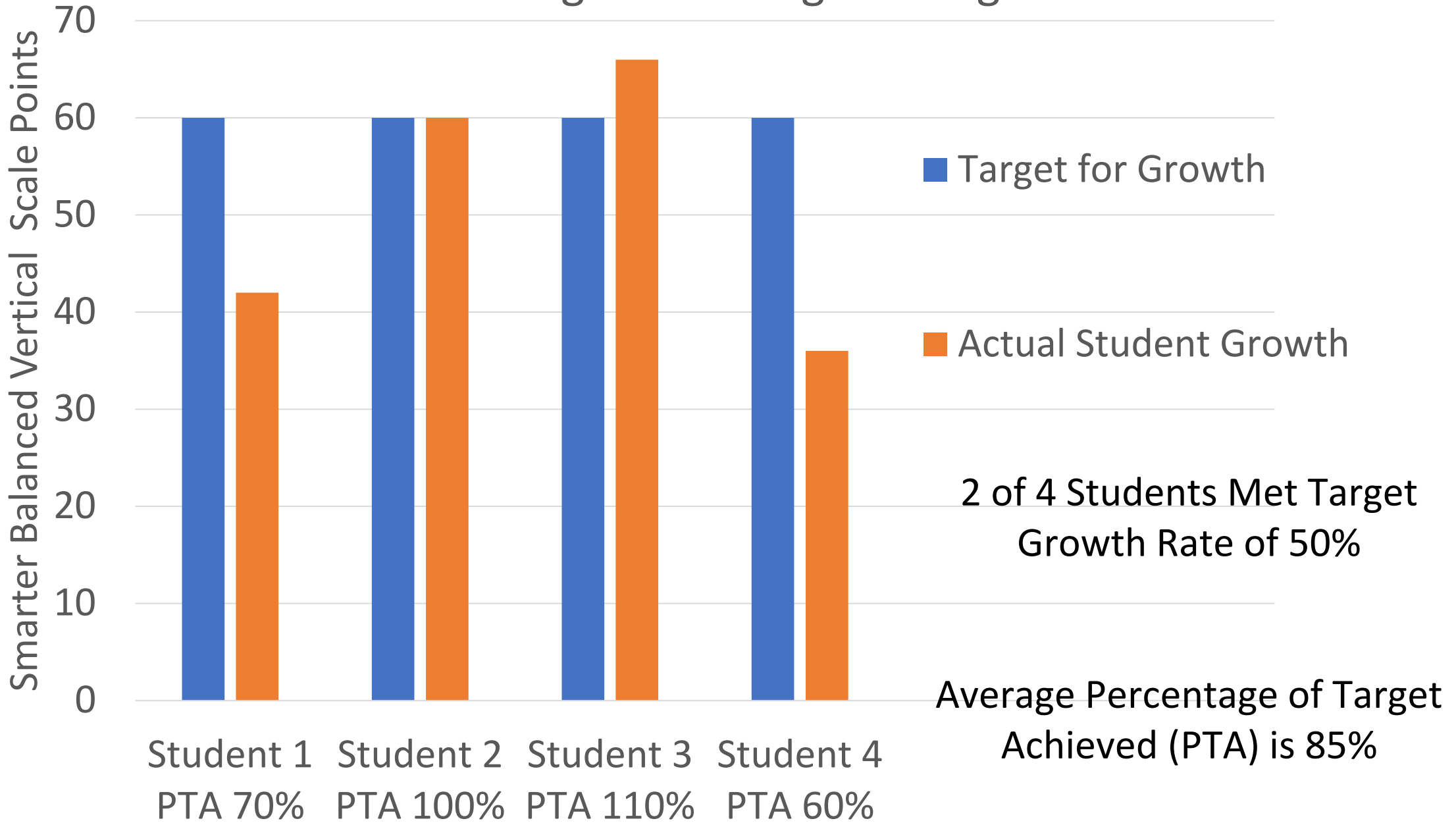
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Example of ELA Achievement Ranges and Growth Targets

Grade in Year 1	Level	Level 1: Not met		Level 2: Approaching		Level 3: Met		Level 4: Exceeded	
		1-LOW	2-HIGH	1-LOW	2-HIGH	1-LOW	2-HIGH	1-LOW	2-HIGH
3	Range	2114-2330	2331-2366	2367-2399	2400-2431	2432-2460	2461-2489	2490-2522	2523+
	Target	82	71	70	69	68	64	60	45 maintain
4	Range	2131-2378	2379-2415	2416-2444	2445-2472	2473-2502	2503-2532	2553-2568	2569+
	Target	82	69	69	64	58	55	49	34 maintain

A student scores a 2331 in ELA assessment in Grade 3. The expectation is he/she will score 2402 in Grade 4, reaching the target increase of 71 points. Even without moving to the next Level, growth will be counted as 100%.

Growth Rate & Average Percentage of Target Achieved



Grade 3: Smarter Balanced Achievement Data

Grade 3	School	District	State
ELA % of Students with Scores of 3 & 4 West Broad Street School All Students	82.0 %	78.7%	51.8%
Math % of Students with Scores of 3 & 4 West Broad Street School All Students	82.0 %	78.7%	53.1%
ELA % of Students with Scores of 3 & 4 Deans Mill School All Students	76.0 %	78.7%	51.8%
Math % of Students with Scores of 3 & 4 Deans Mill School All Students	76.0 %	78.7%	53.1%

Grade 4: Smarter Balanced Achievement Data

Grade 4	School	District	State
ELA % of Students with Scores of 3 & 4 West Broad Street School All Students	81.0%	80.8%	54.1%
Math % of Students with Scores of 3 & 4 West Broad Street School All Students	78.5%	80.8%	50.0%
ELA % of Students with Scores of 3 & 4 Deans Mill School All Students	82.6%	80.8%	54.1%
Math % of Students with Scores of 3 & 4 Deans Mill School All Students	84.9%	80.8%	50.0%

West Broad Street School Percentage of Target Achieved

Grade 4	Point Change +/-	School Average PTA	District Average PTA	State Average PTA
ELA Average % Growth Target Achieved-All Students	+	71.8%	72.7%	62.1%
ELA Average % Growth Target Achieved-High Needs	+	61.0 %	68.4%	55.1%
Math Average % Growth Target Achieved-All Students	+	74.3%	86.2%	68.3%
Math Average % Growth Target Achieved-High Needs	+	74.1%	75.8%	62.2%

Deans Mill School Percentage of Target Achieved

Grade 4	Point Change +/-	School Average PTA	District Average PTA	State Average PTA
ELA Average % Growth Target Achieved- All Students	+	73.6%	72.7%	62.1%
ELA Average % Growth Target Achieved- High Needs	*	*	68.4%	55.1%
Math Average % Growth Target Achieved- All Students	+	96.4%	86.2%	68.3%
Math Average % Growth Target Achieved- High Needs	*	*	75.8%	62.2%

Grade 5: Smarter Balanced Achievement Data

Grade 5	School	District	State
ELA % of Students with Scores of 3 & 4 Mystic Middle School All Students	77.8%	70.6%	56.3%
Math % of Students with Scores of 3 & 4 Mystic Middle School All Students	66.3%	57.4%	42.9%
ELA % of Students with Scores of 3 & 4 Pawcatuck Middle School All Students	64.2	70.6%	56.3%
Math % of Students with Scores of 3 & 4 Pawcatuck Middle School All Students	49.4%	57.4%	42.9%

Grade 6: Smarter Balanced Achievement Data

Grade 6	School	District	State
ELA % of Students with Scores of 3 & 4 Mystic Middle School All Students	79.0%	75.6%	54.1%
Math % of Students with Scores of 3 & 4 Mystic Middle School All Students	60.9 %	58.3%	43.6%
ELA % of Students with Scores of 3 & 4 Pawcatuck Middle School All Students	71.0 %	75.6%	54.1%
Math % of Students with Scores of 3 & 4 Pawcatuck Middle School All Students	54.8 %	58.0 %	43.6%

Grade 7: Smarter Balanced Achievement Data

Grade 7	School	District	State
ELA % of Students with Scores of 3 & 4 Mystic Middle School All Students	75.6%	74.8%	54.9%
Math % of Students with Scores of 3 & 4 Mystic Middle School All Students	76.7%	70.9%	42.7%
ELA % of Students with Scores of 3 & 4 Pawcatuck Middle School All Students	73.8%	74.8%	54.9%
Math % of Students with Scores of 3 & 4 Pawcatuck Middle School All Students	63.1%	70.9%	42.7%

Grade 8: Smarter Balanced Achievement Data

Grade 8	School	District	State
ELA % of Students with Scores of 3 & 4 Mystic Middle School All Students	68.4%	68.4%	53.7%
Math % of Students with Scores of 3 & 4 Mystic Middle School All Students	50.0%	51.1%	41.8%
ELA % of Students with Scores of 3 & 4 Pawcatuck Middle School All Students	75.4%	68.4%	53.7%
Math % of Students with Scores of 3 & 4 Pawcatuck Middle School All Students	53.8	51.1%	41.8%

Mystic Middle School Percentage of Target Achieved

Grade 5	Change in Points +/-	School Average PTA	District Average PTA	State Average PTA
ELA Average % Growth Target Achieved- All Students	+	44.6%	50.5%	58.6%
ELA Average % Growth Target Achieved- High Needs	*	*	39.7%	51.5%
Math Average % Growth Target Achieved- All Students	+	49.3%	49.4%	62.5%
Math Average % Growth Target Achieved- High Needs	*	*	35.3%	54.4%

Mystic Middle School Percentage of Target Achieved

Grade 6	Change in Points = / -	School Average PTA	District Average PTA	State Average PTA
ELA Average % Growth Target Achieved- All Students	+	56.4%	57.5%	53.3%
ELA Average % Growth Target Achieved- High Needs	*	*	49.8%	48.2%
Math Average % Growth Target Achieved-All Students	+	47.3%	47.3%	62.2%
Math Average % Growth Target Achieved-High Needs	*	*	30.2%	51.9%

Mystic Middle School Percentage of Target Achieved

Grade 7	Change in Points +/-	School Average PTA	District Average PTA	State Average PTA
ELA Average % Growth Target Achieved-All Students	+	61.1%	60.5%	54.2%
ELA Average % Growth Target Achieved-High Needs	*	*	46.7%	48.5%
Math Average % Growth Target Achieved-All Students	+	84.1%	79.8%	58.8%
Math Average % Growth Target Achieved-High Needs	*	*	70.3%	51.4 %

Mystic Middle School Percentage of Target Achieved

Grade 8	Change in Points +/-	School Average PTA	District Average PTA	State Average PTA
ELA Average % Growth Target Achieved- All Students	+	48.1%	54.1%	49.2%
ELA Average % Growth Target Achieved- High Needs	*	*	45.6%	45.0%
Math Average % Growth Target Achieved- All Students	+	49.2%	39.3%	56.5%
Math Average % Growth Target Achieved- High Needs	*	*	36.0%	47.9%

Pawcatuck Middle School Percentage of Target Achieved

Grade 5	Change in Points +/-	School Average PTA	District Average PTA	State Average PTA
ELA Average % Growth Target Achieved-All Students	+	56.4%	50.5%	58.6%
ELA Average % Growth Target Achieved-High Needs	+	43.5%	39.7%	51.5%
Math Average % Growth Target Achieved-All Students	+	49.5%	49.4%	62.5%
Math Average % Growth Target Achieved-High Needs	-	33.6%	35.3%	54.4%

Pawcatuck Middle School Percentage of Target Achieved

Grade 6	Change in Points = +/-	School Average PTA	District Average PTA	State Average PTA
ELA Average % Growth Target Achieved- All Students	+	60.0%	57.5%	53.3%
ELA Average % Growth Target Achieved- High Needs	+	47.2%	49.8%	48.2%
Math Average % Growth Target Achieved-All Students	+	47.9%	47.3%	62.2%
Math Average % Growth Target Achieved-High Needs	+	33.3%	30.2%	51.9%

Pawcatuck Middle School Percentage of Target Achieved

Grade 7	Change in Points +/-	School Average PTA	District Average PTA	State Average PTA
ELA Average % Growth Target Achieved-All Students	+	59.8%	60.5%	54.2%
ELA Average % Growth Target Achieved-High Needs	+	54.8%	46.7%	48.5%
Math Average % Growth Target Achieved-All Students	+	73.9%	79.8%	58.8%
Math Average % Growth Target Achieved-High Needs	+	63.8%	70.3%	51.4 %

Pawcatuck Middle School Percentage of Target Achieved

Grade 8	Change in Points +/-	School Average PTA	District Average PTA	State Average PTA
ELA Average % Growth Target Achieved-All Students	+	65.2%	54.1%	49.2%
ELA Average % Growth Target Achieved-High Needs	*	*	45.6%	45.0%
Math Average % Growth Target Achieved-All Students	-	20.5%	39.3%	56.5%
Math Average % Growth Target Achieved-High Needs	*	*	36.0%	47.9%

Connecticut Mastery Test: Science

Science Achievement	School Average	District Average
% of Students Scoring at 3 & 4 Grade 5 Mystic Middle School All Students	84%	76%
% of Students Scoring at 3 & 4 Grade 8 Mystic Middle School All Students	82%	77%
% of Students Scoring at 3 & 4 Grade 5 Pawcatuck Middle School All Students	70%	76%
% of Students Scoring at 3 & 4 Grade 8 Pawcatuck Middle School All Students	70%	77%

Implications for Teaching & Learning

- Develop a focused District Improvement Plan
- Support the development of differentiated School Improvement Plans
- Monitor the plans, hold each other accountable
- Continue to develop standards-based curricula
- Monitor the implementation of curriculum and student-centered learning
- Adjust professional learning and resources based upon data