Georgia Department of Education

Accountability Webinar
2015 CCRPI
Progress and Achievement Gap Updates

March 22, 2016

10:00-11:00

Progress

Progress

Answers the question...

Are students growing at a typical or high rate compared to academically-similar students from across Georgia?

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The Progress calculation is based on the Student Growth Percentiles (SGPs) for Full Academic Year (FAY) students for each content area. GAA assessment scores are not utilized for this calculation.

Student Growth Percentiles

- An SGP describes a student's growth relative to academically-similar students.

- This ensures a student's starting point is considered when measuring his or her growth.

- SGPs range from 1 to 99.

- All students, regardless of their prior achievement level, have the opportunity to demonstrate all levels of growth.

High Schools

ELA EOC
- ✓9th Grade Literature and Composition
- ✓American Literature and Composition

Math EOC
- ✓Coordinate Algebra
- ✓ Analytic Geometry

Science EOC
- ✓Biology
- ✓Physical Science

Social Studies EOC
- ✓US History
- ✓Economics

Elementary/Middle Schools

- ✓ **ELA EOG**
- ✓ **Math EOG**
- ✓ **Science EOG**
- ✓ **Social Studies EOG**

Progress Calculation

- The denominator value is FAY Participants with an SGP.

- The numerator value is FAY Participants with an SGP meeting Typical or High Growth.

Rate = $\dfrac{\text{Students Meeting Typical and High Growth}}{\text{FAY Participants with an SGP}}$

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COLLEGE AND CAREER READY PERFORMANCE INDEX (CCRPI)

District:	.		Title I School:	Yes
School:	High School		Grades:	09, 10, 11, 12

Choose a Report Type: ○ School Score ● High School

CCRPI Score	Achievement	Progress	Achievement Gap	ED/EL/SWD Performance	Exceeding the Bar	Performance Flags	Financial Efficiency

School Climate	Data Details

PROGRESS

High School Indicators Content Area Assessments	Count of Students Meeting Typical/High Growth	Count of Students with Student Growth Percentiles (SGPs)
9th Grade Literature, American Literature	336	511
Algebra, Geometry	325	531
Biology, Physical Science	238	410
US History, Economics	280	440
Total	**1179**	**1892**
Percent Meeting Typical/High Growth	**.62315**	
Benchmark	**75.4%**	
Adjusted Percent Meeting Typical/High Growth	**.82646**	
Weighted Performance	**(.82646)*40**	
Progress Points Earned	**33.058**	

Points for High Schools

- Sum the counts of *Students Meeting Typical/High Growth.*
- Sum the counts of *Students with SGPs.*
- Divide *Students Meeting Typical/High Growth* by *Students with SGPs* to get the *Weighted Performance.*
- Progress is benchmarked at the 95th percentile value (75.4%) based on state level data for each grade band.
- Divide the *Weighted Performance* by the decimal value of the benchmark to obtain the adjusted performance.
- Multiply the adjusted performance by 40.
- The product is *Progress Points Earned*.

2015

COLLEGE AND CAREER READY PERFORMANCE INDEX (CCRPI)

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School:	High School		Grades:	09, 10, 11, 12

Choose a Report Type: ○ School Score ● High School

CCRPI Score	Achievement	Progress	Achievement Gap	ED/EL/SWD Performance	Exceeding the Bar	Performance Flags	Financial Efficiency
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Progress Points Earned	33.058	

2015 COLLEGE AND CAREER READY PERFORMANCE INDEX (CCRPI)

| District: | | Title I School: | Yes |
| School: | Middle School | Grades: | 06, 07, 08 |

Choose a Report Type: ○ School Score ● Middle School

CCRPI Score | Achievement | Progress | Achievement Gap | ED/EL/SWD Performance | Exceeding the Bar | Performance Flags
Financial Efficiency | School Climate | Data Details

PROGRESS

Middle School Indicators Content Area Assessments	Count of Students Meeting Typical/High Growth	Count of Students with Student Growth Percentiles (SGPs)
English Language Arts	205	385
Mathematics	174	385
Science	211	399
Social Studies	255	399
Total	**845**	**1568**
Percent Meeting Typical/High Growth	.5389	
Benchmark	74.8%	
Adjusted Percent Meeting Typical/High Growth	.72045	
Weighted Performance	(.72045)*40	
Progress Points Earned	28.8	

Points for
Middle Schools

- Sum the counts of *Students Meeting Typical/High Growth.*
- Sum the counts of *Students with SGPs.*
- Divide *Students Meeting Typical/High Growth* by *Students with SGPs* to get the *Weighted Performance.*
- Progress is benchmarked at the 95th percentile value (74.8%) based on state level data for each grade band.
- Divide the *Weighted Performance* by the decimal value of the benchmark to obtain the adjusted performance.
- Multiply the adjusted performance by 40.
- The product is *Progress Points Earned*.

2015 **COLLEGE AND CAREER READY PERFORMANCE INDEX (CCRPI)**

District:			Title I School:	Yes
School:	Middle School		Grades:	06, 07, 08

Choose a Report Type: ○ School Score ● Middle School

CCRPI Score	Achievement	Progress	Achievement Gap	ED/EL/SWD Performance	Exceeding the Bar	Performance Flags

Financial Efficiency	School Climate	Data Details

PROGRESS

Middle School Indicators Content Area Assessments	Count of Students Meeting Typical/High Growth	Count of Students with Student Growth Percentiles (SGPs)
English Language Arts	205	385
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Science	211	399
Social Studies	255	399
Total	**845**	**1568**
Percent Meeting Typical/High Growth	.5389	
Benchmark	74.8%	
Adjusted Percent Meeting Typical/High Growth	.72045	
Weighted Performance	(.72045)*40	
Progress Points Earned	28.8	

Points for Elementary Schools

- Sum the counts of *Students Meeting Typical/High Growth.*
- Sum the counts of *Students with SGPs.*
- Divide *Students Meeting Typical/High Growth* by *Students with SGPs* to get the *Weighted Performance.*
- Progress is benchmarked at the 95th percentile value (76.6%) based on state level data for each grade band.
- Divide the *Weighted Performance* by the decimal value of the benchmark to obtain the adjusted performance.
- Multiply the adjusted performance by 40.
- The product is *Progress Points Earned*.

2015 COLLEGE AND CAREER READY PERFORMANCE INDEX (CCRPI)

| District: | | Title I School: | No |
| School: | Elementary School | Grades: | PK, KK, 01, 02, 03, 04, 05 |

Choose a Report Type: ○ School Score ● Elementary School

CCRPI Score | Achievement | Progress | Achievement Gap | ED/EL/SWD Performance | Exceeding the Bar | Performance Flags
Financial Efficiency | School Climate | Data Details

PROGRESS

Elementary School Content Area Assessments	Count of Students Meeting Typical/High Growth	Count of Students with Student Growth Percentiles (SGPs)
English Language Arts	156	212
Mathematics	156	211
Science	150	213
Social Studies	147	213
Total	**609**	**849**
Percent Meeting Typical/High Growth	.71731	
Benchmark	76.6%	
Adjusted Percent Meeting Typical/High Growth	.93644	
Weighted Performance	(.93644)*40	
Progress Points Earned	37.458	

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PROGRESS

High School Indicators Content Area Assessments	Count of Students Meeting Typical/High Growth	Count of Students with Student Growth Percentiles (SGPs)
9th Grade Literature, American Literature	336	511
Algebra, Geometry	325	531
Biology, Physical Science	238	410
US History, Economics	280	440
Total	**1179**	**1892**
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Benchmark	75.4%	
Adjusted Percent Meeting Typical/High Growth	.82646	
Weighted Performance	(.82646)*40	
Progress Points Earned	33.058	

CCRPI SCORE

CCRPI Score						
71.3						
Sum of Achievement, Progress, Achievement Gap, and Challenge Points						
Achievement Points	Progress Points	Achievement Gap Points	Challenge Points		Financial Efficiency Rating	School Climate Rating
			ED/EL/SWD Performance Points	Exceeding the Bar Points		
29.9	33.1	4.2	4.1	0		NA
			4.1			

Achievement Gap

Achievement Gap

- Goal – Increase the achievement of schools' lowest achieving students

- Measures – The gap between schools' lowest-achieving students and the state average and the extent to which the lowest-achieving students are making academic progress.

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Achievement Gap

- Gap size
  - The size of the gap between the school's lowest 25% of achievers based on *current* scores by content area and the state average.
  - Utilizes z scores

- Gap progress
  - The current year progress demonstrated by the school's lowest 25% of achievers based on *prior* scores by content area.
  - Utilizes z scores and SGPs

Achievement Gap

| CCRPI Score | Achievement | Progress | Achievement Gap | ED/EL/SWD Performance | Exceeding the Bar | Performance Flags |
| Financial Efficiency | School Climate | Data Details |

ACHIEVEMENT GAP

Middle School Content Area Assessments	Gap Size	Gap Progress	Higher of Gap Size/Gap Progress	Points Possible
EOG: English Language Arts	1	1	1	3
EOG: Mathematics	1	2	2	3
EOG: Science	1	2	2	3
EOG: Social Studies	1	2	2	3
Total			7	12
Percent of Higher of Gap Size/Gap Progress	.58333			
Weighted Performance	(.58333)*10			
Achievement Gap Points Earned	5.8			

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Example – MS Math

Student	Grade	Scale Score	Z Score	Scale Score Prior	Z Score Prior	SGP
Sarah	6	439	-1.49	760	-2.23	63
Peyton	6	497	-0.30	850	0.07	53
Caroline	6	570	1.19	959	2.86	6
Noah	7	515	-0.01	818	-0.42	88
Kenneth	7	513	-0.05	813	-0.58	92
Matthew	7	454	-1.16	800	-0.98	28
Jordan	8	475	-0.77	807	-0.94	65
Tyra	7	531	0.29	831	-0.02	67
Roberto	6	516	0.09	819	-0.72	68
Lydia	6	521	0.19	850	0.07	46
Parrish	7	539	0.44	875	1.35	1
Landon	8	494	-0.41	836	-0.15	25

Example – MS Math

Student	Grade	Scale Score	Z Score	Scale Score Prior	Z Score Prior	SGP
Sarah	6	439	-1.49	760	-2.23	63
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Gap progress is based on prior scores – in other words, who were the lowest 25% of achievers when they started the school year?

Example – MS Math

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Gap progress is based on prior scores – in other words, who were the lowest 25% of achievers when they started the school year?

Then we find the meanGP for this group – in other words, how much progress did the lowest 25% (based on prior scores) make this year?

Example – MS Math

Richard Woods,
Georgia's School Superintendent
"Educating Georgia's Future"
oe.org

Student	Grade	Scale Score	Z Score	Scale Score Prior	Z Score Prior	SGP
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$$\frac{63 + 28 + 65}{3} = 52$$

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Example – MS Math

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$$\frac{63 + 28 + 65}{3} = 52$$

Gap Progress	Score
meanGP < 35	0
35 ≤ meanGP < 50	1
50 ≤ meanGP ≤ 65	2
meanGP > 65	3

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Gap size is based on current scores – in other words, who are the lowest 25% of achievers at the end of the school year?

Example – MS Math

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Gap size is based on current scores – in other words, who are the lowest 25% of achievers at the end of the school year?

Then we find the average z score for this group and compare that to the state average – in other words, how close to the state average is the current lowest 25%?

Example – MS Math

GaDOE

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$$\frac{(-1.49) + (-1.16) + (-0.77)}{3} = -1.14$$

$$0 - (-1.14) = 1.14$$

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Example – MS Math

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Gap size is based on current scores – in other words, who are the lowest 25% of achievers at the end of the school year?

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Gap Size	Score
1.2 or greater	0
0.9 – 1.19	1
0.5 – 0.89	2
Less than 0.5	3

$$\frac{(-1.49) + (-1.16) + (-0.77)}{3} = -1.14$$

$$0 - (-1.14) = 1.14$$

Achievement Gap

CCRPI Score	Achievement	Progress	Achievement Gap	ED/EL/SWD Performance	Exceeding the Bar	Performance Flags
Financial Efficiency	School Climate	Data Details				

ACHIEVEMENT GAP

Middle School Content Area Assessments	Gap Size	Gap Progress	Higher of Gap Size/Gap Progress	Points Possible
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Total			7	12
Percent of Higher of Gap Size/Gap Progress	.58333			
Weighted Performance	(.58333)*10			
Achievement Gap Points Earned	5.8			

Achievement Gap

- Calculate gap size for each subject
  - Difference between state average (0) and mean z score (based on current scores) of the lowest 25%
  - Assign rubric value

- Calculate gap progress for each subject
  - MeanGP of the lowest 25% (based on prior scores)
  - Assign rubric value

- For each subject, take the higher of the gap size and gap progress

- Divide total points earned / total points possible
  - Multiply by 10 to get final points

QUESTIONS & ANSWERS

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