

Regional Data Analysis Executive Summary 2016-17

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Explore the Benefits
Education Law §3012-d
Review Regents Course Pathways
BARS Score Projection Tool, Reporting & User Access
Data Analysis and Research Conducted

Benefits

- Use of BOCES Assessment Reporting System (BARS).
- Historical Regional Data is used in projecting performance outcomes for similar students.

 Lessens the need for baseline student testing and related planning.

- Aids the Annual Professional Performance Review (APPR) process for teachers with courses culmination in a Regents exam.
- Informs goal-setting and planning

Commencement of Education Law §3012-d

How does this affect the use of the Regional Data Analysis, Research and Reports?

State Education Department reminds districts to use the projected performance targets as a resource to inform decision-making...

- When establishing individual student growth.
- When developing rigorous performance goals for teachers and administrators.

Score Projection Regents Course Pathway 2016-17 School Year

Initial Exam>	Step 1>	<u>Step 2></u>	Step 3>	<u>Step 4></u>
ELA-8	CC English - 11			
Global History (if no ELA-8 Score)	CC English - 11			
ELA-8	Global History - 10	U.S. History		
ELA-7 (if no ELA-8 Score)	Global History - 10	U.S. History		
ELA-8	Global History - 9	U.S. History		
ELA-7 (if no ELA-8 Score)	Global History - 9	U.S. History		
Math-8	CC Algebra - 9	CC Geometry	CC Algebra 2	
Math-7 (if no Math-8 Score)	CC Algebra - 9	CC Geometry	CC Algebra 2	
Math-6 (if no Math-7 Score)	CC Algebra - 9	CC Geometry	CC Algebra 2	
Math-7	CC Algebra - 8	CC Geometry	CC Algebra 2	
Math-6 (if no Math-7 Score)	CC Algebra - 8	CC Geometry	CC Algebra 2	
Math-8	CC Algebra - 9	Pre CC Geometry	CC Algebra 2	
Math-7 (if no Math-8 Score)	CC Algebra - 9	Pre CC Geometry	CC Algebra 2	
Math-6 (if no Math-7 Score)	CC Algebra - 9	Pre CC Geometry	CC Algebra 2	
Math-7	CC Algebra - 8	Pre CC Geometry	CC Algebra 2	
Math-6 (if no Math-7 Score)	CC Algebra - 8	Pre CC Geometry	CC Algebra 2	
Science-8	Earth Science	Living Environment	Chemistry	Physics
Science-8	Living Environment	Earth Science	Chemistry	Physics
Earth Science-8	Living Environment	Chemistry	Physics	
Living Environment-8	Earth Science	Chemistry	Physics	

BARS (BOCES Assessment Reporting Systems)

Student Privacy: Defining User Access

- District data administrators are granted access to BARS and the Score Projection Tool by Student Data Services.
- Building level administrators, directors, chairpersons and teachers' access is assigned using specific access parameters.

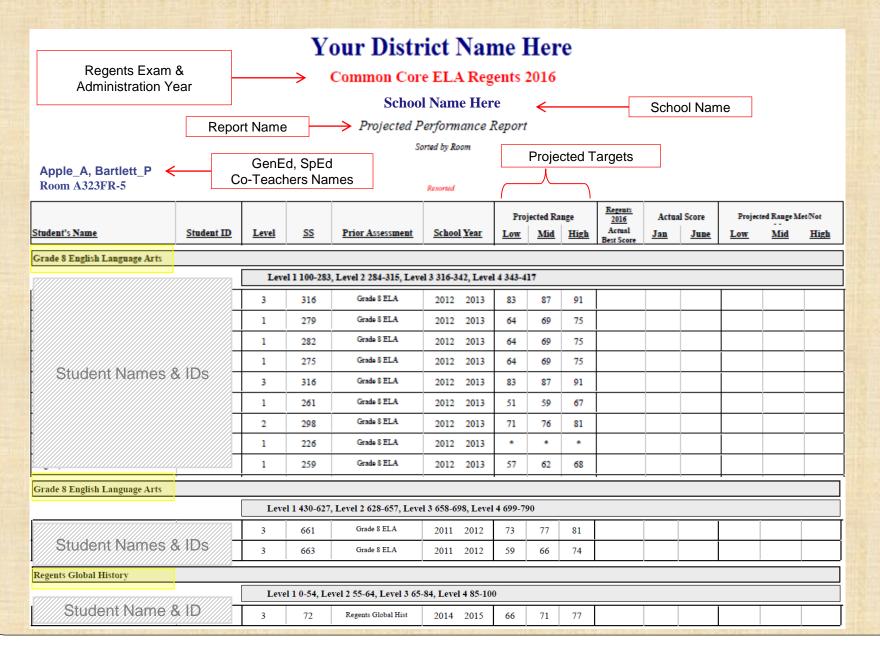
Recommended User Access Parameters by district position

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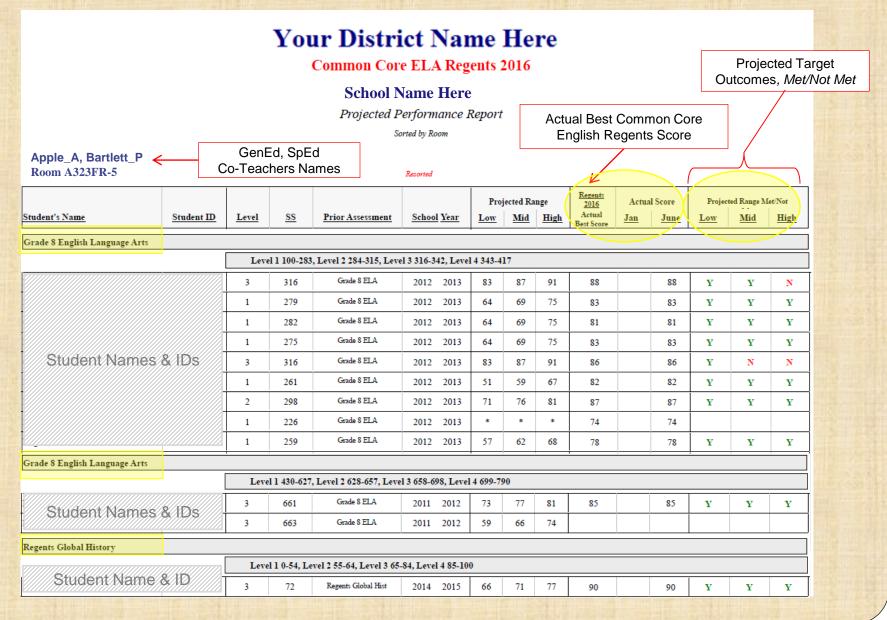
Select "Ability to see/use Score Projections", then for
 Building Level: assign building location
 Director and Chairperson: assign building locations
 Teacher: assign building location and course & section number

Note: Without assigning a building location and/or course and section number, the user access will default to an *All District* view, allowing the user to see all buildings including teachers' and students' score projection tool data.

Projected Performance Report: SY 2015-16



Projected Performance Report: Outcomes for 2015-16



Projected Performance Report: Outcomes for 2015-16

Your District Name Here

Common Core ELA Regents 2016

School Name Here

Projected Performance Report

Sorted by Room

Resorted

Apple_A, Bartlett_P Room A323FR-5

							ected Rai	-	<u>Regents</u> <u>2016</u> Actual		al Score	-	ted Range M	1
ent's Name	Student ID	Level	<u>SS</u>	Prior Assessment	School Year	Low	Mid	High	Best Score	Jan	June	Low	Mid	<u>High</u>
de 8 English Language Arts														
		Leve	11 100-283	, Level 2 284-315, Leve	el 3 316-342, Level	4 343-4	17							
		1	272	Grade 8 ELA	2012 2013	51	59	6 7	93		93	Y	Y	Y
		2	284	Grade 8 ELA	2012 2013	61	68	75	78		78	Y	Y	Y
Student Names &	& IDs	1	264	Grade 8 ELA	2012 2013	51	59	67	74		74	Y	Y	Y
		2	298	Grade 8 ELA	2012 2013	68	75	81	88		88	Y	Y	Y
		1	259	Grade 8 ELA	2012 2013	51	59	67	74		74	Y	Y	Y
egents Global History														
		Leve	110-54, Lo	evel 2 55-64, Level 3 65	-84, Level 4 85-10	0								
Student Name &	& ID	3	71	Regents Global Hist	2014 2015	59	65	71	65		65	Y	Y	Ν
Teacher Average of the Projecte	d Range for Con	nmon Core	ELA Rege	nts 2017:		64.55	70.27	76.32						
Percent of Student Achievemen	t for Projected R	ange, by Te	eacher 201	7:)			90.48%	80.95%	71.43%
							Ý							
				Tea	acher Avera	-	-		-				γ	
					by <i>Low, M</i>	1a & F	lign Ta	argets				t of Stu each F		
Level-Not Tested St	tatus: 50 - NYSAA			k Sci 8 in Grade 7–53 - Takin Range results may vary due t						7 - Admini	strative Error	99 - Absent	:	
			Designets	d Range: *Asterik - Projecti	en Met Anzilahle Rie	. Tuslimik	In To Be T	untered and						

End of Year Projected Performance Report Results by Teacher

Your District Name Here

Common Core ELA Regents 2016

School Name Here

Total number of students assessed (All sections by teacher)

End of Year Projected Performance Report Results by Teacher

Number & percent of students who met their Low, Mid and/or High

Targets for their "Projected Range"

Sorted by School

Resorted

	¥ Total #	# Students Not	# Students Met	% Students Met	# Students Met	% Students Met	# Students Met	% Students Met
Teacher Name	Students	Meeting "Low"	" <u>Low</u> "	" <u>Low</u> "	" <u>Mid</u> "	" <u>Mid</u> "	" <u>High</u> "	" <u>High</u> "
1	59	4	55	93.22%	53	89.83%	39	66.10%
	106	4	102	96.23%	94	88.68%	76	71.70%
	28	1	27	96.43%	25	89.29%	15	53.57%
	33	0	33	100.00%	33	100.00%	30	90.91%
General -	21	2	19	90.48%	17	80.95%	15	71.43%
Education -	16	7	9	56.25%	8	50.00%	7	43.75%
and	8	\uparrow_1	7	87.50%	7	87.50%	6	75.00%
Special Education	19	0	19	100.00%	18	94.74%	16	84.21%
Teacher's Names	20	0	20	100.00%	19	95.00%	15	75.00%
Number of studen	ts who didn't	2	107	98.17%	101	92.66%	88	80.73%
meet the minimum target for		1	14	93.33%	12	80.00%	10	66.67%
their " Projecte	their " Projected Range"		25	92.59%	25	92.59%	21	77.78%

School Totals 461 24 437	94.79%	412	89.37%	338	73.32%
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Projected Performance Report: Excel Export Status Designation Yes/No Actual Best Common Core **Projected Target English Regents Score** Outcomes, Met/Not Met Your District Name Here Projected Projected Projected Actual Score Actual Score Actual ow Met Mid Met High Met SWD LEP Poverty Common Core ELA Regents Student ID Section # Level SS Prior Assessment Mid Best Score January School Year Low High June High School Apple A, Bartlett P A323FR-5 316 Grade 8 ELA 2 A323FR-5 2012 2013 83 87 91 88 88 Y Y Ν Ν Ν N 5 A323FR-5 279 Grade 8 ELA 2012 2013 64 69 75 83 83 Y Y Y N N N 7 A323FR-5 282 Grade 8 ELA 2012 2013 64 69 75 81 81 Y Y Y N N N 4 A323FR-5 275 Grade 8 ELA 2012 2013 69 75 83 83 Y Y Υ Ν 64 Ν Ν 2 A323FR-5 3 316 Grade 8 ELA 91 2012 2013 83 87 86 86 Y Ν Ν N N N 5 A323FR-5 261 Grade 8 ELA 2012 2013 51 59 67 82 82 Y Y Y Y Ν Y 9 A323FR-5 298 Grade 8 FLA 2012 2013 71 76 81 87 87 Y Y Y N N Y 2 Student Names & 3 A323FR-5 226 Grade 8 ELA 2012 2013 74 74 Ν Ν N 5 A323FR-5 259 Grade 8 ELA 2012 2013 57 62 68 78 78 Y Y Υ Ν N Y IDs 0 A323FR-5 2 313 Grade 8 ELA 2012 2013 79 84 72 72 N Ν N N N Y 74 Υ Y 7 A323FR-5 259 Grade 8 ELA 2012 2013 57 62 68 72 72 Y Y Ν N 5 A323FR-5 Y Υ 313 Grade 8 ELA 2012 2013 80 85 89 92 92 Y Ν Ν N 294 Grade 8 ELA 0 A323FR-5 2012 2013 69 74 80 67 67 N N Ν N N N Example: 7 A323FR-5 275 Grade 8 ELA 2012 2013 64 69 75 65 65 Y Ν Ν N N N 7 A323FR-5 661 Grade 8 ELA 2011 2012 73 77 81 85 85 Y Y Υ Ν N N Filbert, Hazel 0 A323FR-5 3 59 Y 663 Grade 8 ELA 2011 2012 66 74 N N 5 A323FR-5 3 Y 72 Regents Global Hist 2014 2015 66 71 77 90 90 Y Y Y Ν N 000408315 8 A323FR-5 7 A323FR-5 2012 Y 272 Grade 8 ELA 2013 51 59 67 93 93 Y Y Y Ν Ν 7 A323FR-5 2 284 Grade 8 ELA 2012 2013 61 68 75 78 78 Y Y Υ Y N Ν Υ Y 9 A323FR-5 264 Grade 8 ELA 2012 2013 51 59 67 74 74 Y Y N N 5 A323FR-5 Y Y 0 298 Grade 8 ELA 2012 2013 68 75 81 88 88 Y Y N Y 1 A323FR-5 67 Y Y Y 259 Grade 8 ELA 2012 2013 51 59 74 74 Y Ν Ν Y 8 A323FR-5 3 71 Regents Global Hist 2014 2015 59 65 71 65 65 Y Y N N Y

Understanding the Analysis

Correlation Analysis: Including 2015 Regents and Common Core Data

Purpose of the analysis is to determine the strength of the correlation between NYS Assessments in Grades 6-12, and to support using projections to predict student outcomes based upon historical data.

Correlation Overview

Predictions Among Student Achievement Scores Over-Time

- In the analysis the "r" coefficient measures the degree of "relatedness" of the first and second measure (or score).
- A "relationship" between one set of test scores and another is said to be strong when the correlation coefficient is .60 or higher because the first (independent) scores explains about half or more the variation in the later (dependent) scores.

Additional Confidence from Partial Correlation Analysis

• A Partial analysis introduces additional factors (Students with Disability, Limited English Proficiency and Poverty status) to find if these additional variables affect the relationship between the first and second score.

*Delbert Miller, 1977, Handbook of Research Design and Social Measurement, David McKay Co. *Tom Ryan, 1997, Modern Research Methods, John Wiley

Historical Data and Predictions: Using SPSS and the SPSS Modeler

<u>SPSS</u>

SPSS is the statistical analysis program used to identify
the degree of correlation between student scores in varying
score ranges and NCLB groups (Students with Disability,
Limited English Proficiency, Poverty) and Non-Status
students.

Modeler

• The SPSS Modeler is **predictive analytical software** that determines the likelihood of successful prediction given the degree of relationship, the size of the data set and the conditions set for the prediction.

Research Focused on Two Problems:

Applying New Common Core Standards Historically

- Longitudinal analysis for ELA and Math scores from grade 6 to 8 uses historical data to translate 2012 ELA and Math level scores to Common Core level scores.
- Longitudinal analysis confirmed the validity of translation tables provided by NYSED.

Documenting the New Stability of Student Scores

 The higher standard set by Common Core Assessments make a connection between English, Math and Social Studies tests.

Three Principles for Setting Baselines: Future Student Performance

- Baselines measuring growth are based upon historical performance of similar students within three categories:
 Performance Levels
 Course Pathways
 NCLB Sub-Groups, and Non-Status Students
- Predictions of future performance can be made from student performance on NYS Assessments, with content that is related to the predicted performance, with two exceptions, ELA-8 to Global History, and Global History to Common Core English-11.
- Predictions are reported with a confidence interval that ensures accurate minimum predictions in more than 80% of all cases for Sub-Groups.

Longitudinal Data Research

*For repeat test-takers, the highest score achieved is included in the "student record"

First File

2012 to 2016 student performance from ELA-7, ELA-8 and Science grade 8 scores to all Regents Scores in four following years (24,630 student records).

Second File

> 2013 to 2016 student performance from ELA7 and ELA-8 to Global History Regents Scores in 2016 (19,971 student records).

Third File

> 2014 to 2016 student performance from Math grade 6 in 2014 and Math grade 7 in
 2015 to all 2016 Common Core Algebra Regents Scores in grade 8 (17,394 student records).

Fourth File

> 2014 to 2016 student performance from 2014 Math grade 7 and grade 8 2015 Math 8 and grade 8 Common Core Algebra Regents Scores to 2016 grade 9 Common Core
 Algebra Regents and Common Core Geometry scores (17,485 student records).

Longitudinal Data Research

*For repeat test-takers, the highest score achieved is included in the "student record"

Fifth File

2013 to 2016 student performance from 2013 Math grade 7 and grade 8 2014 Math-8 and grade 8 Common Core Algebra Regents Scores to 2015 grade 9 Common Core Algebra Regents and Common Core Geometry scores and then to 2016 grade 10 Common Core Algebra Regents, Common Core Geometry Regents and Common Core Algebra 2 Regents scores(17,489 student records).

Sixth File

2014 to 2016 student performance from Non-Common Core Geometry and Common Core Geometry in 2014 and 2015 in grades 9, 10 and 11 to 2016 Common Core Algebra 2 in grades 10, 11 and 12 (10,896 student records).

Seventh File

2014 to 2016 student performance from the Chemistry Regents taken in grade 10 or 11 and all Physics Regents Scores in grade 12 (6,276 student records).

Eighth File

2014 to 2016 student performance from 2014 ELA grade 6 and 2015 ELA-7 to all 2016 ELA-8 (20,422 student records).

ELA & Math NYS Regents: Create Adjusted Equated Performance Levels and Scores

- Applied the 2013-2015 Common Core cut points to historical data from 2011-2012.
- Measuring growth requires scales that are equivalent.
 - Translated ELA 3-8 and Common Core English Regents to a 100 Percentile Scale with equally distributed between **four** performance level scores.
 - Performance levels are defined percentile scores with 25 P-Scores in each level.

Extending the Analysis to Grades 6 and 7: Adjusting for Missing Data Related to "Refusals"

In 2016, just over fifty percent of Suffolk County students "Refused" the ELA and Math NYS Assessments in grades 7 and 8. Anticipating these results we continued our analysis considering a variety of options.

In 2015 the "Refusal" rate was nearly the same as 2016 In years prior to 2015 the "Refusal" rate was less than in 2015 and 2016.

- In 2014 the analysis included data from the NYS Assessment ELA-7.
- In 2013 & 2014 the analysis included data from the NYS Assessment Math-6.

The correlations between the ELA 3-8 and Math 3-8 Assessments are very strong. This relatedness supports the decision to extend projections back an additional year to ELA-7 for Common Core English 11, Global 10, and Math-6 or Math-7 for Common Core Algebra.

Translation Table For ELA-8 Levels

Performance Levels	2011 – 2012 ELA-8 Scale Score Ranges	2013 ELA-8 Scale Score Ranges	2016 ELA-8 Scale Score Ranges
Level 1	430 - 648	100 - 283	130 - 283
Level 2	649 - 666	284 - 315	284 - 315
Level 3	667 - 683	316 - 342	316 - 342
Level 4	684 - 790	343 - 417	343 - 395

Translation Table For Math-8 Levels

Performance Levels	2011 – 2012 Math-8 Scale Score Ranges	2013 Math-8 Scale Score Ranges	2016 Math-8 Scale Score Ranges
Level 1	480 - 669	119 - 286	132 - 286
Level 2	670 - 697	287 - 321	287 - 321
Level 3	698 - 719	322 - 348	322 - 348
Level 4	720 - 775	349 - 403	349 - 407

Projections for NYS Regents Assessments

Twelve Levels

- Level 1 Low
- Level 1 Mid
- Level 1 High
- Level 2 Low
- Level 2 Mid
- Level 2 High
- Level 3 Low
- Level 3 Mid
- Level 3 High
- Level 4 Low
- Level 4 Mid
- Level 4 High

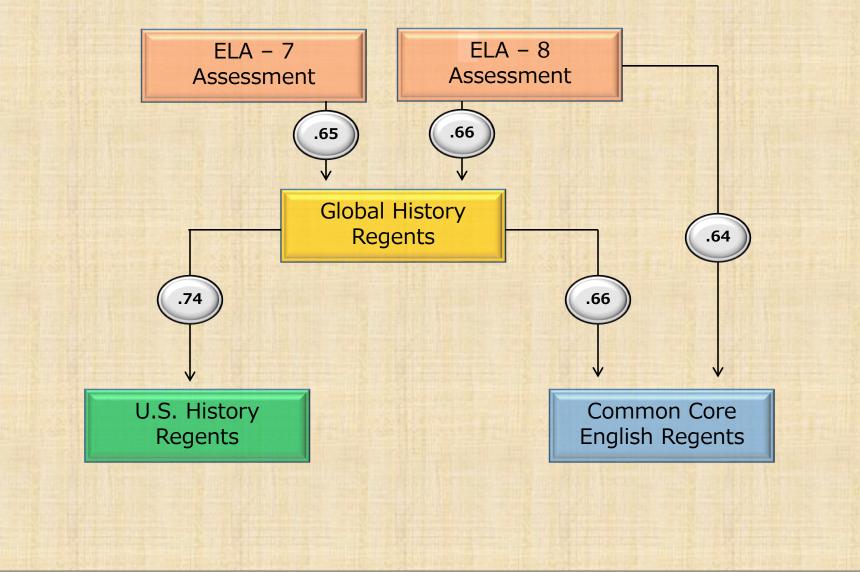
Projections for 2017 CC English-11 Regents' performance is based upon 2014 NYS Grade-8 assessment scores or the Global 10 scores in 2016.

Identify the mean average historical performance of students in short score ranges in levels 1 through 4.

Twelve sub-levels based score predictions for SWD, LEP and Poverty Sub-Groups and Non-Status Students based upon prior assessments in 2014, 2015 and 2016.

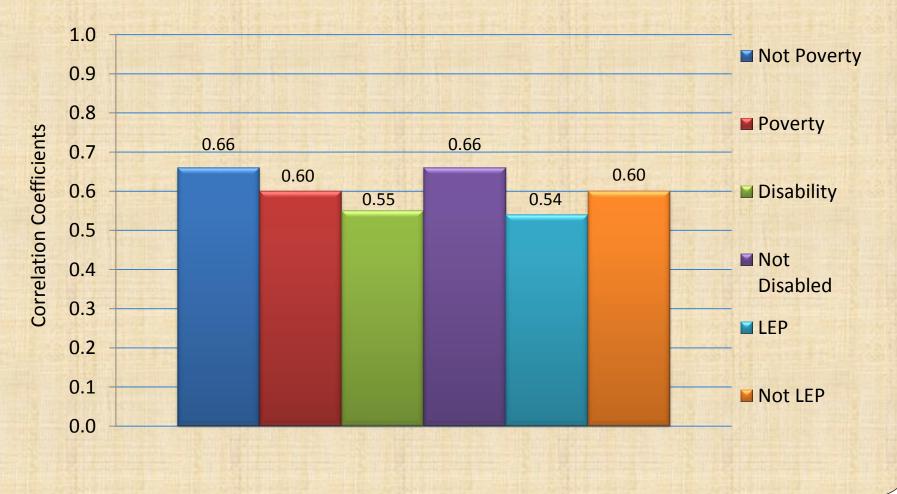
English Language Arts and Social Studies

Common Core English & Social Studies Course Pathways

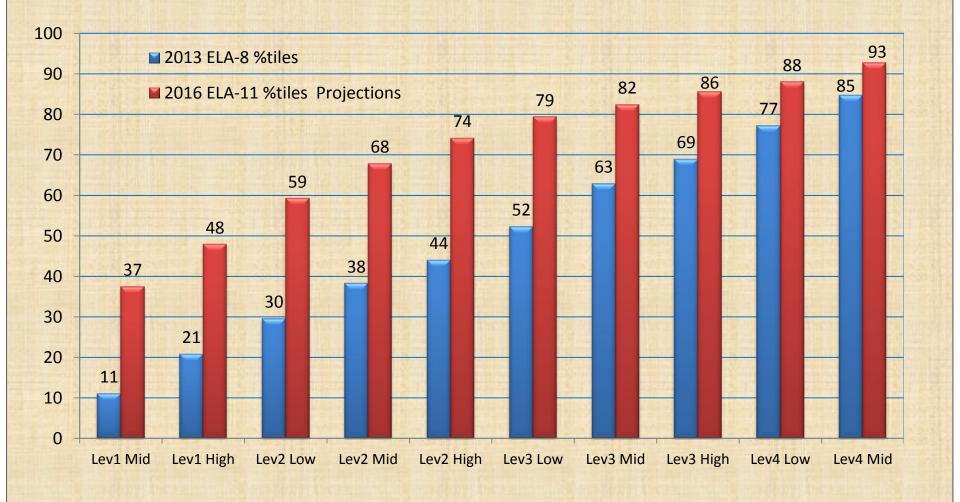


English Language Arts 2013 to Common Core English 2016: Regents Correlations by Sub-Group

Display of Correlations: ELA - 8 to English Regents Grade 11 Adjusted Scores by Poverty, Disability and LEP Status



Common Core English Language Arts: Projecting Future Performance



Common Core English Regents Projections based on ELA-8 Scores: Prediction for Students with Disabilities

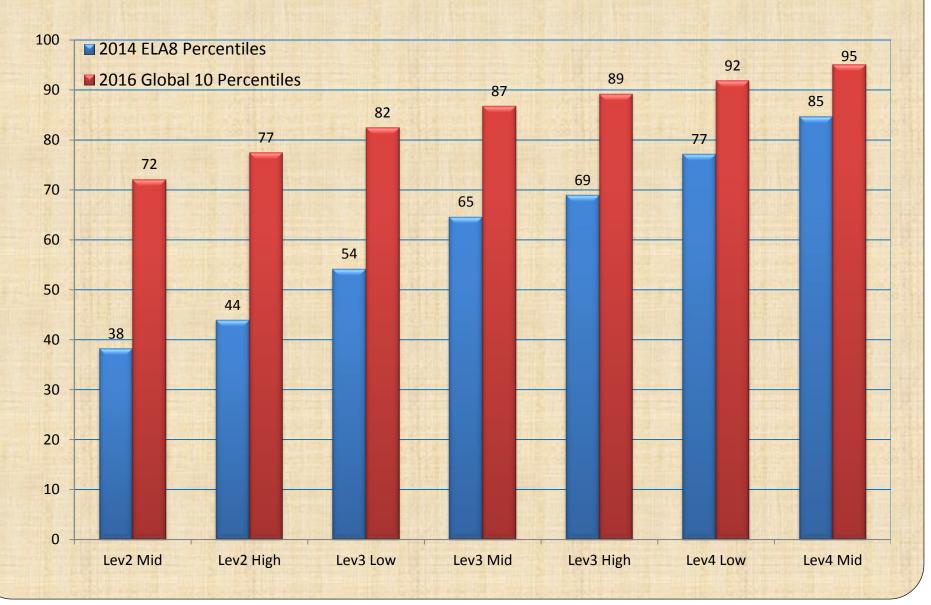
English Langua	ge Arts		Performance	Cut Score	Cut Score	<u>SWD</u>
Prior Assessment	Measure Code	School Year	<u>Level</u>	CC ELA-8 Low	CC ELA-8 High	Low Score
ELA-8	Regents ELA Common Core	2014	Lev 1 Low	97	189	40
ELA-8	Regents ELA Common Core	2014	Lev 1 Mid	190	244	42
ELA-8	Regents ELA Common Core	2014	Lev 1 High	245	283	50
ELA-8	Regents ELA Common Core	2014	Lev 2 Low	284	295	57
ELA-8	Regents ELA Common Core	2014	Lev 2 Mid	296	305	63
ELA-8	Regents ELA Common Core	2014	Lev 2 High	306	315	66
ELA-8	Regents ELA Common Core	2014	Lev 3 Low	316	324	71
ELA-8	Regents ELA Common Core	2014	Lev 3 Mid	325	333	74
ELA-8	Regents ELA Common Core	2014	Lev 3 High	334	342	78
ELA-8	Regents ELA Common Core	2014	Lev 4 Low	343	362	81
ELA-8	Regents ELA Common Core	2014	Lev 4 Mid	363	400	
ELA-8	Regents ELA Common Core	2014	Lev 4 High	401	409	

Common Core English Regents Projections based on ELA–8 Scores: Low-End Projection Success Rates for Students with Disabilities

			IEPELA	11Pre	
			.00	1.00	Total
New ELA813 Sub Levels	1.00	Count	3	19	22
		% within New ELA813 Sub Levels	13.6%	86.4%	100.0%
	2.00	Count	46	209	255
		% within New ELA813 Sub Levels	18.0%	82.0%	100.0%
	3.00	Count	74	850	924
		% within New ELA813 Sub Levels	8.0%	92.0%	100.0%
	4.00	Count	8	305	313
		% within New ELA813 Sub Levels	2.6%	97.4%	100.0%
	5.00	Count	5	223	228
		% within New ELA813 Sub Levels	2.2%	97.8%	100.0%
	6.00	Count	11	139	150
		% within New ELA813 Sub Levels	7.3%	92.7%	100.0%
	7.00	Count	8	68	76
		% within New ELA813 Sub Levels	10.5%	89.5%	100.0%
	8.00	Count	2	61	63
		% within New ELA813 Sub Levels	3.2%	96.8%	100.0%
	9.00	Count	1	20	21
		% within New ELA813 Sub Levels	4.8%	95.2%	100.0%
	10.00	Count	1	24	25
		% within New ELA813 Sub Levels	4.0%	96.0%	100.0%
Total		Count	159	1918	2077
		% within New ELA813 Sub Levels	7.7%	92.3%	100.0%

New ELA813 Sub Levels * IEPELA11Pre Crosstabulation

Common Core English Language Arts Grade 8 Projecting Global History in Grade 10

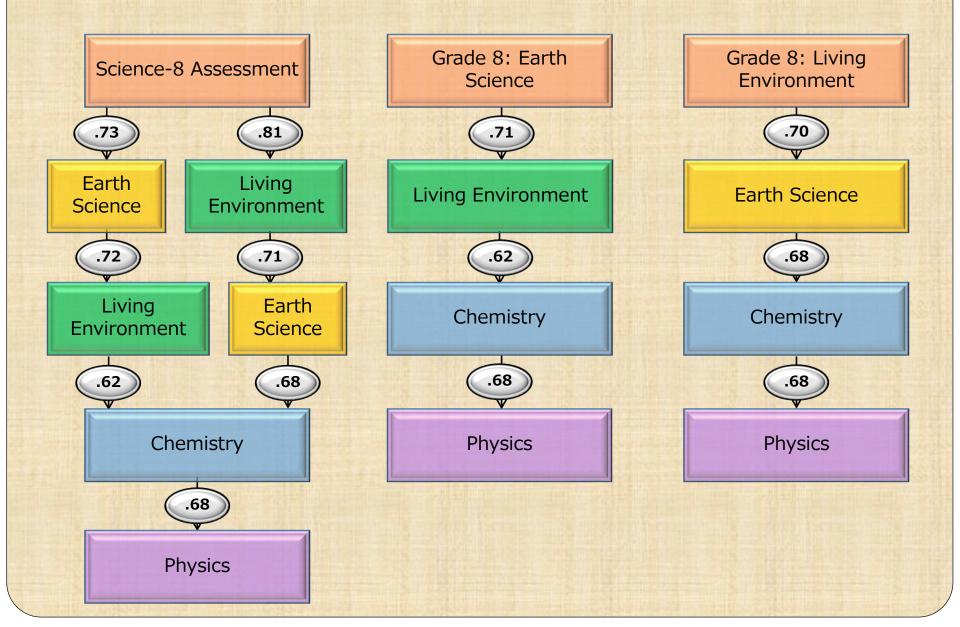


U.S History Regents Projections based on Global History Scores: Predictions for Non-Status Students

U.S. History			Performance	Cut Score	Cut Score	GenEd NS
Prior Assessment	Measure Code	School Year	Level	<u>Low</u>	<u>High</u>	Low Score
Regents Global History	Regents US History & Gov't	2016	Lev 1 Low	1	19	
Regents Global History	Regents US History & Gov't	2016	Lev 1 Mid	20	38	
Regents Global History	Regents US History & Gov't	2016	Lev 1 High	39	54	58
Regents Global History	Regents US History & Gov't	2016	Lev 2 Low	55	57	62
Regents Global History	Regents US History & Gov't	2016	Lev 2 Mid	58	61	68
Regents Global History	Regents US History & Gov't	2016	Lev 2 High	62	64	71
Regents Global History	Regents US History & Gov't	2016	Lev 3 Low	65	71	74
Regents Global History	Regents US History & Gov't	2016	Lev 3 Mid	72	77	80
Regents Global History	Regents US History & Gov't	2016	Lev 3 High	78	84	84
Regents Global History	Regents US History & Gov't	2016	Lev 4 Low	85	90	88
Regents Global History	Regents US History & Gov't	2016	Lev 4 Mid	91	95	91
Regents Global History	Regents US History & Gov't	2016	Lev 4 High	96	100	93

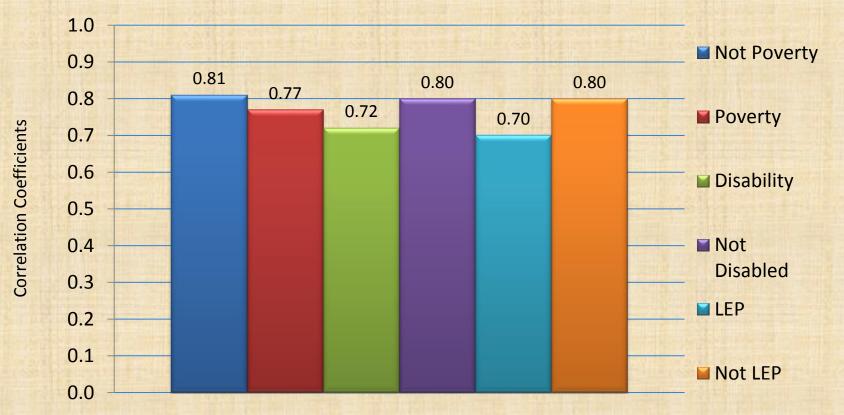
Science

Science Course Pathways



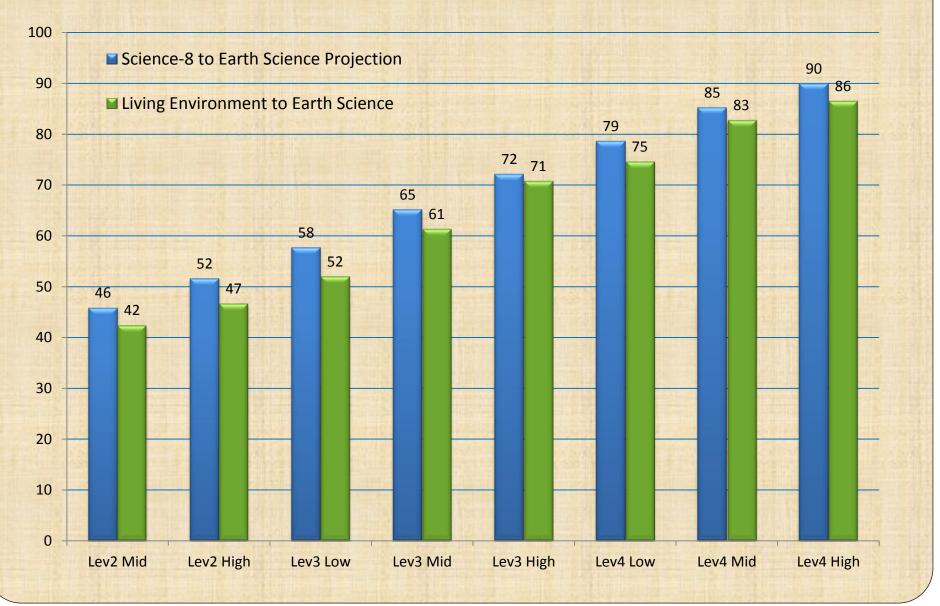
Science - 8 to Grade 9 Living Environment : Correlations by Sub-Group

Science - 8 to Living Environment Grade 9 Correlation Scores by Poverty, Disability and LEP Status



*All correlations are significant at the .01 level of significance. There were 4,741 students who took both tests in back to back years.

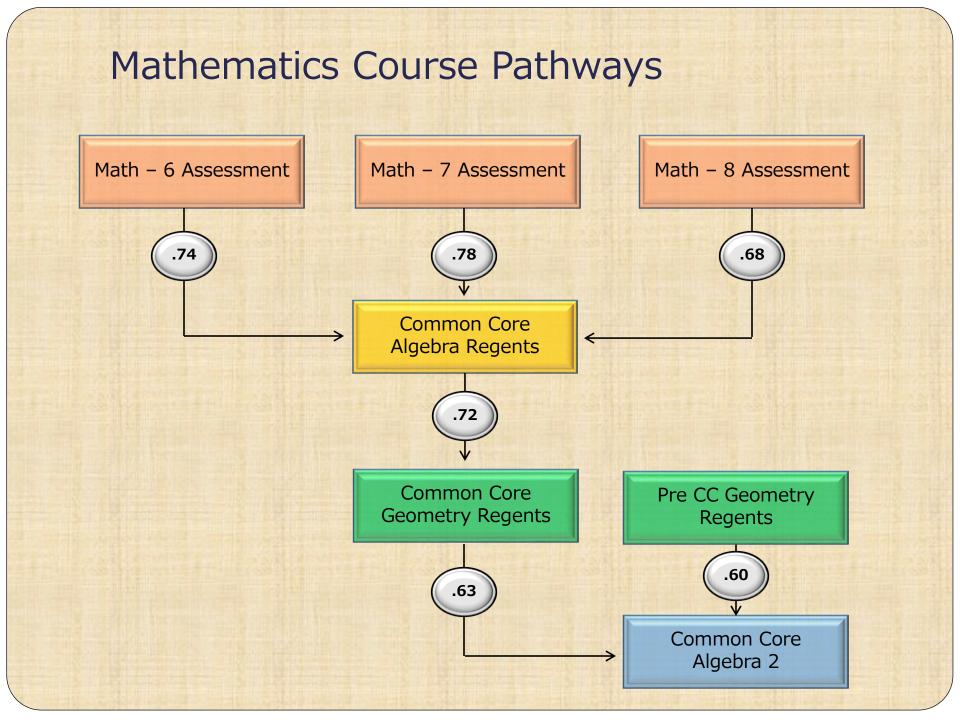
Earth Science Predictions Depend on the Prior Course Selection: All Students by Sub-Levels



Living Environment Projections based on Earth Science Scores: Predictions for Students with Disabilities

Living Enviornment			Performance	Cut Score	Cut Score	<u>SWD</u>
Prior Assessment	Measure Code	School Year	Level	<u>Low</u>	<u>High</u>	Low Score
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 1 Low	1	19	
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 1 Mid	20	38	40
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 1 High	39	54	50
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 2 Low	55	57	57
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 2 Mid	58	61	60
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 2 High	62	64	63
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 3 Low	65	71	66
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 3 Mid	72	77	69
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 3 High	78	84	74
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 4 Low	85	90	79
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 4 Mid	91	95	81
Regents Phy Set/Earth Science	Regents Living Enviornment	2016	Lev 4 High	96	100	85

Mathematics



Mathematics Test Sequences

- Most students follow either NYS Math-7 or Math-8 test with the new Common Core Algebra.
- Most students will take Common Core Geometry after Common Core Algebra.
- Last year students could take both the Common Core Geometry Regents and the Non-Common Core Geometry Regents. Non-Common Core Geometry will not be administered in the future.
- Growing numbers of students take Common Core Algebra in Grade 8 and many of these advanced placed students take Common Core Geometry in grade 9.
- This year will be the second year of Common Core Algebra 2, so we are projecting Common Core Algebra 2 scores from both Common Core Geometry and the prior Non Common Core Geometry Regents.

Projections for NYS Math Regents Assessments

Fifteen Levels

- Level 1 Low
- Level 1 Mid
- Level 1 High
- Level 2 Low
- Level 2 Mid
- Level 2 High
- Level 3 Low
- Level 3 Mid
- Level 3 High
- Level 4 Low
- Level 4 Mid
- Level 4 High
- Level 5 Low
- Level 5 Mid
- Level 5 High

Projections for 2017 Common Core Geometry and Common Core Algebra 2 are based upon prior Common Core Algebra or Geometry Regents performance in 2016.

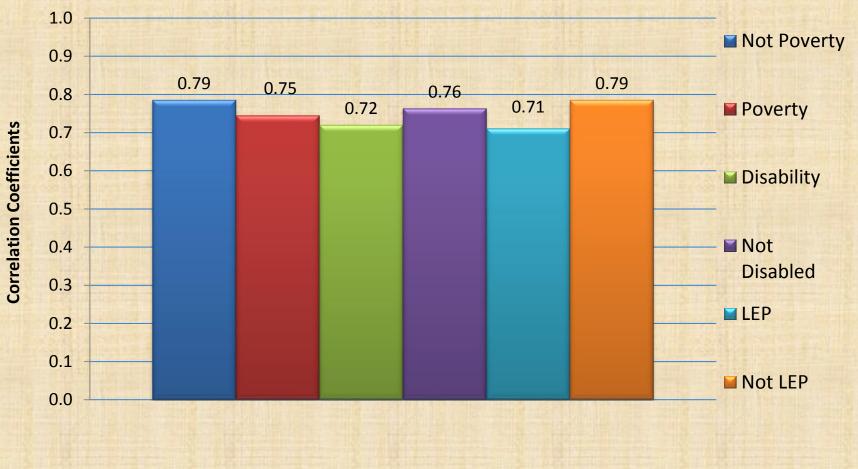
New Common Core Algebra and Geometry Scale
 Scores have five performance levels

The statistical generation of projections for Geometry and Algebra 2 is done by Identifying the mean average historical performance of students in short score ranges in levels 1 through 5.

Fifteen sub-levels based score predictions for SWD,
 LEP and Poverty Sub-Groups and Non-Status
 Students based upon prior assessments in 2015 and
 2016.

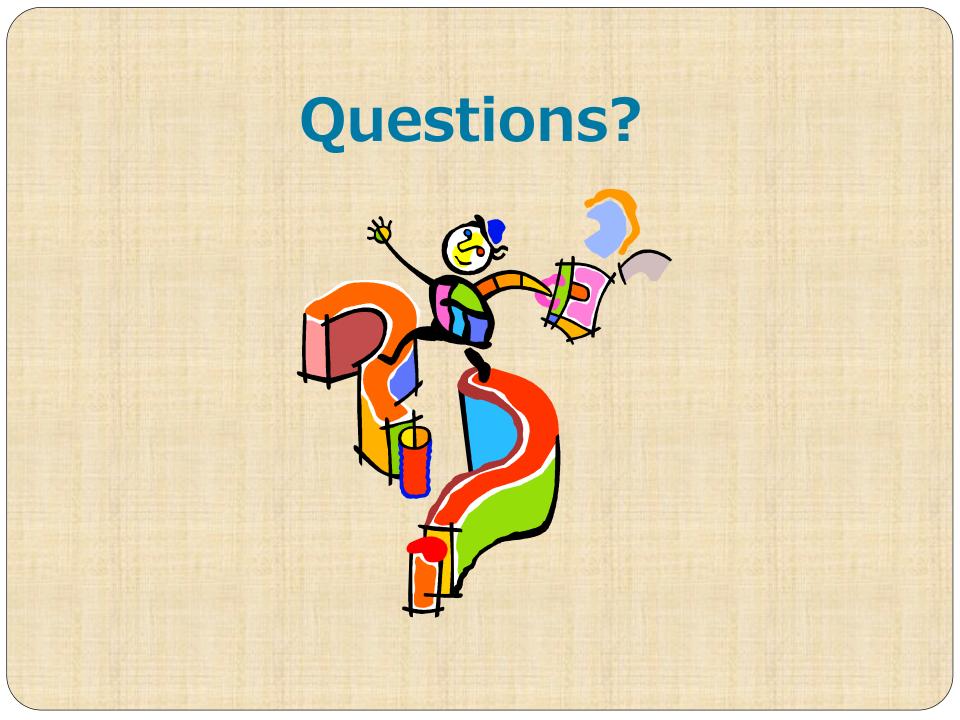
Math Common Core Grade 7 to Common Core Algebra in 2016 Correlations by Subgroups

Math-7 to Common Core Algebra Grade 8 Correlation Scores by Poverty, Disability and LEP Status



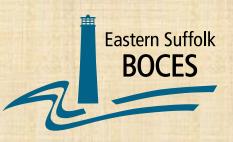
Common Core Algebra Regents based on Math-8 Scores: Predictions for Students with Disabilities

Common Core Algebra			Performance	Cut Score	Cut Score	SWD
Prior Assessment	Measure Code	School Year	<u>Level</u>	<u>Low</u>	<u>High</u>	Low Score
Math-8	Regents CC Algebra	2016	Lev 1 Low	132	229	
Math-8	Regents CC Algebra	2016	Lev 1 Mid	230	263	44
Math-8	Regents CC Algebra	2016	Lev 1 High	264	286	47
Math-8	Regents CC Algebra	2016	Lev 2 Low	287	296	54
Math-8	Regents CC Algebra	2016	Lev 2 Mid	297	308	58
Math-8	Regents CC Algebra	2016	Lev 2 High	309	321	60
Math-8	Regents CC Algebra	2016	Lev 3 Low	322	329	62
Math-8	Regents CC Algebra	2016	Lev 3 Mid	330	337	65
Math-8	Regents CC Algebra	2016	Lev 3 High	338	347	
Math-8	Regents CC Algebra	2016	Lev 4 Low	348	360	
Math-8	Regents CC Algebra	2016	Lev 4 Mid	361	375	
Math-8	Regents CC Algebra	2016	Lev 4 High	376	407	



For More Information Contact

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