New York State
EDUCATION DEPARTMENT
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Every Student Succeeds Act (ESSA) Accountability *Rebuild* Phase

Rebuild Phase Information Webinars:

Weighted Average Achievement and Core Subject Performance (Elementary/Middle Level)

2023-24 School Year (SY) Based on 2022-23 Results and
2024-25 SY Based on 2023-24 SY Results

In This Webinar

- Transition from Restart Phase to Rebuild Phase
- Weighted Average Achievement Index with Examples
- Core Subject Performance Index with Examples
- Accountability Rebuild Information Webinars: http://www.nysed.gov/accountability/school-and-district-accountability
- Questions? Email accountinfo@nysed.gov

Restart Accountability Indicators

Indicators Calculated in the 2022-23 SY (using 2021-22 SY Results)	
Elementary/Middle	High School
Weighted Average Achievement	Weighted Average Achievement
Core Subject Performance	Core Subject Performance
ELP	ELP
Chronic Absenteeism	Chronic Absenteeism
~~Student Growth~~	Graduation Rate
~~Academic Progress~~	~~CCCR~~
	~~Academic Progress~~

Overview

Restart

- 2022-23 SY based on 2021-22 SY results
- United States Department of Education (USDE) approved one-year state plan addendum to ESSA plan

Rebuild

- 2023-24 SY based on 2022-23 SY results and 2024-25 SY based on 2023-24 SY results
- USDE approved amendments to ESSA plan in Sept. 2023

Reimagine

- 2025-26 SY and beyond

Rebuild Accountability Indicators

Indicators Calculated in the 2023-24 and 2024-25 SYs (using 2022-23 and 2023-24 SY results, respectively)	
Elementary/Middle	High School
Weighted Average Achievement	Weighted Average Achievement
Core Subject Performance	Core Subject Performance
ELP	ELP
Chronic Absenteeism	Chronic Absenteeism
Student Growth (Informational)	Graduation Rate
	CCCR (Informational)

Academic Performance Indicators

Weighted Average Achievement

- Measures the annual student performance in English Language Arts (ELA) and math
- Uses a denominator that meets the USDE 95% participation requirement for the academic achievement indicator

Core Subject Performance

- Measures the annual student performance in ELA and math
- Uses a denominator of students with valid assessment records

Science not included during Rebuild Phase

Elementary/Middle Level Exams

Elementary/Middle Level Exams Used in Weighted Average Achievement and Core Subject Performance Calculations
New York State Testing Program (NYSTP) assessment in ELA and math in Grades 3-8
New York State Alternative Assessment (NYSAA) in ELA and math when the student is equivalent to Grades 3-8
Regents Mathematics examination in lieu of NYSTP assessment in Grades 6, 7, and/or 8

Weighted Average Achievement

Step 1:

Calculate the ELA and Math Indices

Formula: $100 * \frac{(Level\ 2) + 2(Level\ 3) + 2.5(Level\ 4)}{Denominator}$

The Denominator is the greater of:

1. Continuously enrolled students who have valid test scores; or
2. 95% of continuously enrolled students with or without valid test scores

School F – All Students Subgroup

Subject	# of Continuously Enrolled Students	# of Continuously Enrolled Tested Students	95% of Continuously Enrolled Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	120	90	114	20	20	30	20	130	114	114
Math	120	100	114	10	30	40	20	160	114	140

Weighted Average Achievement

Step 2:

Calculate a Weighted Average of the ELA and Math Indices

1. Sum the ELA and Math Indices' calculated numerators from Step 1
2. Sum the ELA and Math Indices' denominators from Step 1
3. Divide the resulting numerator by the resulting denominator
4. Multiply that result by 100

n-size = 30 or more continuously enrolled student results, combined for ELA and Math

School F – All Students Subgroup

Subject	Numerator	Denominator	Index
ELA	130	114	114
Math	160	114	140
Weighted Average Achievement	290	228	127

Weighted Average Achievement

Step 3:

Rank order schools by Weighted Average Achievement Index from Step 2

School	Weighted Average Achievement Index	Rank
School A	45	1
School J	60	2
School G	75	3
School D	82	4
School B	118	5
School F	127	6
School H	148	7
School I	153	8
School C	167	9
School E	175	10

Weighted Average Achievement

Step 4:
Assign a Level based on where the school fell in the rank

Weighted Average Achievement Levels

Rank	Level
10% or less	1
10.1 to 50%	2
50.1 to 75%	3
Greater than 75%	4

School	Weighted Average Achievement Index	Rank	Rank Range	Weighted Average Achievement Level
School A	45	1	10% or less	1
School J	60	2	10.1 to 50%	2
School G	75	3	10.1 to 50%	2
School D	82	4	10.1 to 50%	2
School B	118	5	10.1 to 50%	2
School F	127	6	50.1 to 75%	3
School H	148	7	50.1 to 75%	3
School I	153	8	Greater than 75%	4
School C	167	9	Greater than 75%	4
School E	175	10	Greater than 75%	4

Core Subject Performance

Step 1:

Calculate the ELA and Math Performance Indices

Formula: $100 * \frac{(Level\ 2) + 2(Level\ 3) + 2.5(Level\ 4)}{Denominator}$

The Denominator is continuously enrolled students who have valid test scores.

School F – All Students Subgroup

Subject	# of Continuously Enrolled Tested Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	90	20	20	30	20	130	90	144
Math	100	10	30	40	20	160	100	160

Core Subject Performance

Step 2:

Calculate a Core Subject Performance Index

1. Sum the ELA and Math Performance Indices' calculated numerators from Step 1
2. Sum the ELA and Math Performance Indices' denominators from Step 1
3. Divide the resulting numerator by the resulting denominator
4. Multiply that result by 100

n-size = 30 or more continuously enrolled tested student results, combined for ELA and Math

Note: Special rules apply if the Weighted Average Achievement Index n-size ≥ 30 and Core Subject Performance Index n-size is between 15 and 29.

School F – All Students Subgroup

Subject	Numerator	Denominator	Index
ELA	130	90	144
Math	160	100	160
Core Subject Performance Index	290	190	153

Core Subject Performance

Step 3:

Rank order schools by Core Subject Performance Index from Step 2

School	Core Subject Performance Index	Rank
School A	69	1
School J	72	2
School G	88	3
School D	103	4
School B	135	5
School F	153	6
School H	158	7
School I	173	8
School C	181	9
School E	183	10

Core Subject Performance

Step 4:
Assign a Level based on where the school fell in the rank

Core Subject Performance Levels

Rank	Level
10% or less	1
10.1 to 50%	2
50.1 to 75%	3
Greater than 75%	4

School	Core Subject Performance Index	Rank	Rank Range	Core Subject Performance Level
School A	69	1	10% or less	1
School J	72	2	10.1 to 50%	2
School G	88	3	10.1 to 50%	2
School D	103	4	10.1 to 50%	2
School B	135	5	10.1 to 50%	2
School F	153	6	50.1 to 75%	3
School H	158	7	50.1 to 75%	3
School I	173	8	Greater than 75%	4
School C	181	9	Greater than 75%	4
School E	183	10	Greater than 75%	4

Example #1: Weighted Average Achievement

Step 1: Calculate ELA and Math Indices

School G – All Students Subgroup

Subject	# of Continuously Enrolled Students	# of Continuously Enrolled Tested Students	95% of Continuously Enrolled Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	100	60	95	20	25	13	2			
Math	100	58	95	21	26	10	1			

Formula: $100 * \frac{(Level\ 2) + 2(Level\ 3) + 2.5(Level\ 4)}{Denominator}$

Example #1: Weighted Average Achievement

Step 1: Calculate ELA and Math Indices

School G – All Students Subgroup

Subject	# of Continuously Enrolled Students	# of Continuously Enrolled Tested Students	95% of Continuously Enrolled Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	100	60	95	20	25	13	2	56	95	58.9
Math	100	58	95	21	26	10	1	48.5	95	51.1

$$\text{ELA: } 100 * \frac{(25) + 2(13) + 2.5(2)}{95} = 58.9$$

$$\text{Math: } 100 * \frac{(26) + 2(10) + 2.5(1)}{95} = 51.1$$

Example #1: Weighted Average Achievement

Step 2: Calculate Weighted Average Achievement Index

School G – All Students Subgroup

Subject	# of Continuously Enrolled Students	# of Continuously Enrolled Tested Students	95% of Continuously Enrolled Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	100	60	95	20	25	13	2	56	95	58.9
Math	100	58	95	21	26	10	1	48.5	95	51.1
Weighted Average Achievement								104.5	190	55

Weighted Average Achievement Index : $100 * \frac{104.5}{190} = 55$

Example #1: Weighted Average Achievement

Step 3: Rank order schools by Weighted Average Achievement Index

School	Weighted Average Achievement Index
School A	147.9
School B	119.5
School C	98.7
School D	128.4
School E	172.7
School F	185.3
School G	55
School H	89
School I	159
School J	138.1

School	Weighted Average Achievement Index	Rank
School G	55	1
School H	89	2
School C	98.7	3
School B	119.5	4
School D	128.4	5
School J	138.1	6
School A	147.9	7
School I	159	8
School E	172.7	9
School F	185.3	10

Example #1: Weighted Average Achievement

Step 4: Assign a Level based on where the school fell in the rank

Weighted Average Achievement Levels

Rank	Level
10% or less	1
10.1 to 50%	2
50.1 to 75%	3
Greater than 75%	4

School	Weighted Average Achievement Index	Rank	Rank Range	Weighted Average Achievement Level
School G	55	1	10% or less	1
School H	89	2	10.1 to 50%	2
School C	98.7	3	10.1 to 50%	2
School B	119.5	4	10.1 to 50%	2
School D	128.4	5	10.1 to 50%	2
School J	138.1	6	50.1 to 75%	3
School A	147.9	7	50.1 to 75%	3
School I	159	8	Greater than 75%	4
School E	172.7	9	Greater than 75%	4
School F	185.3	10	Greater than 75%	4

Example #1: Core Subject Performance

Step 1: Calculate ELA and Math Performance Indices

School G – All Students Subgroup

Subject	# of Continuously Enrolled Tested Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	60	20	25	13	2	56		
Math	58	21	26	10	1	48.5		

PI Formula: $100 * \frac{(Level\ 2) + 2(Level\ 3) + 2.5(Level\ 4)}{\#\ of\ continuously\ enrolled\ tested\ students}$

ELA PI numerator : $25 + 2(13) + 2.5\ (2) = 56$

Math PI numerator : $26 + 2(10) + 2.5\ (1) = 48.5$

Example #1: Core Subject Performance

Step 1: Calculate ELA and Math Performance Indices

School G – All Students Subgroup

Subject	# of Continuously Enrolled Tested Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	60	20	25	13	2	56	60	93.3
Math	58	21	26	10	1	48.5	58	83.6

ELA PI: $100 * \frac{56}{60} = 93.3$

Math PI: $100 * \frac{48.5}{58} = 83.6$

Example #1: Core Subject Performance

Step 2: Calculate Core Subject Performance Index

School G – All Students Subgroup

Subject	# of Continuously Enrolled Tested Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	60	20	25	13	2	56	60	93.3
Math	58	21	26	10	1	48.5	58	83.6
Core Subject Performance						104.5	118	88.6

Core Subject Performance Index : $100 * \frac{104.5}{118} = 88.6$

Example #1: Core Subject Performance

Step 3: Rank order schools by their Core Subject Performance Index

School	Core Subject Performance Index
School A	155.7
School B	119.5
School C	101.3
School D	130.9
School E	194.8
School F	215.4
School G	88.6
School H	83.1
School I	178.3
School J	149.1

School	Core Subject Performance Index	Rank
School H	83.1	1
School G	88.6	2
School C	101.3	3
School B	119.5	4
School D	130.9	5
School J	149.1	6
School A	155.7	7
School I	178.3	8
School E	194.8	9
School F	215.4	10

Example #1: Core Subject Performance

Step 4: Assign a Level based on where the school fell in the rank

Core Subject Performance Levels

Rank	Level
10% or less	1
10.1 to 50%	2
50.1 to 75%	3
Greater than 75%	4

School	Core Subject Performance Index	Rank	Rank Range	Core Subject Performance Level
School H	83.1	1	10% or less	1
School G	88.6	2	10.1 to 50%	2
School C	101.3	3	10.1 to 50%	2
School B	119.5	4	10.1 to 50%	2
School D	130.9	5	10.1 to 50%	2
School J	149.1	6	50.1 to 75%	3
School A	155.7	7	50.1 to 75%	3
School I	178.3	8	Greater than 75%	4
School E	194.8	9	Greater than 75%	4
School F	215.4	10	Greater than 75%	4

Weighted Average Achievement Index and Core Subject Performance Index, Compared

	# of Continuously Enrolled Students	# of Continuously Enrolled Tested Students	95% of Continuously Enrolled Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	100	60	95	20	25	13	2	56		
Math	100	58	95	21	26	10	1	48.5		
Weighted Average Achievement	200	118	190	41	51	23	3	104.5	190	55
Core Subject Performance	200	118	190	41	51	23	3	104.5	118	88.6

Weighted Average Achievement Index and Core Subject Performance Index Numerators:
ELA PI Numerator + Math PI Numerator

Weighted Average Achievement Index Denominator:
(Greater of # of continuously enrolled tested students in ELA *or* 95% of continuously enrolled students) + (Greater of # of continuously enrolled tested students in Math *or* 95% of continuously enrolled students)

Core Subject Performance Index Denominator:
(# of continuously enrolled tested students in ELA) + (# of continuously enrolled tested students in Math)

Weighted Average Achievement Index and Core Subject Performance Index, Compared

	# of Continuously Enrolled Students	# of Continuously Enrolled Tested Students	95% of Continuously Enrolled Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	100	98	95	30	35	22	11	106.5	98	108.7
Math	100	97	95	31	36	20	10	101	97	104.1
Weighted Average Achievement	200	195	190	61	71	42	21	207.5	195	106.4
Core Subject Performance	200	195	190	61	71	42	21	207.5	195	106.4

Weighted Average Achievement Index and Core Subject Performance Index Numerators:
ELA PI Numerator + Math PI Numerator

Weighted Average Achievement Index Denominator:
(Greater of # of continuously enrolled tested students in ELA *or* 95% of continuously enrolled students) + (Greater of # of continuously enrolled tested students in Math *or* 95% of continuously enrolled students)

Core Subject Performance Index Denominator:
(# of continuously enrolled tested students in ELA) + (# of continuously enrolled tested students in Math)

Example #2: Weighted Average Achievement

Step 1: Calculate ELA and Math Indices

School H – All Students Subgroup

Subject	# of Continuously Enrolled Students	# of Continuously Enrolled Tested Students	95% of Continuously Enrolled Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	273	232	259.4	51	26	60	95	383.5	259.4	147.9
Math	273	228	259.4	57	22	58	91	365.5	259.4	140.9

$$\text{ELA: } 100 * \frac{(26) + 2(60) + 2.5(95)}{259.4} = 147.9$$

$$\text{Math: } 100 * \frac{(22) + 2(58) + 2.5(91)}{259.4} = 140.9$$

Example #2: Weighted Average Achievement

Step 2: Calculate Weighted Average Achievement Index

School H – All Students Subgroup

Subject	# of Continuously Enrolled Students	# of Continuously Enrolled Tested Students	95% of Continuously Enrolled Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	273	232	259.4	51	26	60	95	383.5	259.4	147.9
Math	273	228	259.4	57	22	58	91	365.5	259.4	140.9
Weighted Average Achievement								749	518.8	144.4

Weighted Average Achievement Index : $100 * \frac{749}{518.8} = 144.4$

Example #2: Weighted Average Achievement

Step 3: Rank order schools by Weighted Average Achievement Index

School	Weighted Average Achievement Index	Rank
School C	62.2	1
School E	88.9	2
School I	90.8	3
School A	103.5	4
School G	110.6	5
School F	124.2	6
School H	144.4	7
School D	153.7	8
School B	171.2	9
School J	192.3	10

Example #2: Weighted Average Achievement

Step 4: Assign a Level based on where the school fell in the rank

Weighted Average Achievement Levels

Rank	Level
10% or less	1
10.1 to 50%	2
50.1 to 75%	3
Greater than 75%	4

School	Weighted Average Achievement Index	Rank	Rank Range	Weighted Average Achievement Level
School C	62.2	1	10% or less	1
School E	88.9	2	10.1 to 50%	2
School I	90.8	3	10.1 to 50%	2
School A	103.5	4	10.1 to 50%	2
School G	110.6	5	10.1 to 50%	2
School F	124.2	6	50.1 to 75%	3
School H	144.4	7	50.1 to 75%	3
School D	153.7	8	Greater than 75%	4
School B	171.2	9	Greater than 75%	4
School J	192.3	10	Greater than 75%	4

Example #2: Core Subject Performance

Step 1: Calculate ELA and Math Performance Indices

School H – All Students Subgroup

Subject	# of Continuously Enrolled Tested Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	232	51	26	60	95	383.5	232	165.3
Math	228	57	22	58	91	365.5	228	160.3

$$\text{ELA: } 100 * \frac{(26) + 2(60) + 2.5(95)}{232} = 165.3$$

$$\text{Math: } 100 * \frac{(22) + 2(58) + 2.5(91)}{228} = 160.3$$

Example #2: Core Subject Performance

Step 2: Calculate Core Subject Performance Index

School H – All Students Subgroup

Subject	# of Continuously Enrolled Tested Students	# Level 1	# Level 2	# Level 3	# Level 4	Numerator	Denominator	Index
ELA	232	51	26	60	95	383.5	232	165.3
Math	228	57	22	58	91	365.5	228	160.3
Core Subject Performance						749	460	162.8

Core Subject Performance Index : $100 * \frac{749}{460} = 162.8$

Example #2: Core Subject Performance

Step 3: Rank order schools by Core Subject Performance Index

School	Core Subject Performance Index	Rank
School C	73.9	1
School E	92.5	2
School I	99.6	3
School A	103.5	4
School G	121.3	5
School F	137.2	6
School D	153.7	7
School H	162.8	8
School B	187.6	9
School J	210.9	10

Example #2: Core Subject Performance

Step 4: Assign a Level based on where the school fell in the rank

Core Subject Performance Levels

Rank	Level
10% or less	1
10.1 to 50%	2
50.1 to 75%	3
Greater than 75%	4

School	Core Subject Performance Index	Rank	Rank Range	Core Subject Performance Level
School C	73.9	1	10% or less	1
School E	92.5	2	10.1 to 50%	2
School I	99.6	3	10.1 to 50%	2
School A	103.5	4	10.1 to 50%	2
School G	121.3	5	10.1 to 50%	2
School F	137.2	6	50.1 to 75%	3
School D	153.7	7	50.1 to 75%	3
School H	162.8	8	Greater than 75%	4
School B	187.6	9	Greater than 75%	4
School J	210.9	10	Greater than 75%	4

Additional Resources

- “Understanding the New York State Accountability System under the Every Student Succeeds Act (ESSA) for 2023-2024 Accountability Statuses Based on 2022-2023 Results”
- The One-Year Restart Webinar
- Rebuild Phase Webinar
- 2022-23 Indicator Info Sessions
- PowerPoint slides of this webinar

Found here:

www.nysed.gov/accountability/school-and-district-accountability

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Thank You!

Questions may be submitted to the NYSED Office of Accountability at:
accountinfo@nysed.gov