# Every Student Succeeds Act (ESSA) Accountability *Rebuild* Phase

## Rebuild Phase Information Webinars:

### Weighted Average Achievement and Core Subject Performance

### (High School Level)

**2023-24 School Year (SY) Based on 2022-23 SY 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 student performance in English Language Arts (ELA), math, and science
- Uses a denominator of all students in the accountability cohort

## Core Subject Performance

- Measures student performance in ELA, math, and science
- Uses a denominator of students in the accountability cohort with valid assessment records

## Social Studies not included during Rebuild Phase

# High School Level Exams

| High School Level Exams Used in Weighted Average Achievement and Core Subject Performance Calculations |
|---|
| Regents examination in ELA, math, and science |
| Approved alternative to Regents examination in ELA, math, and science |
| New York State Alternative Assessment (NYSAA) in ELA, math, and science taken in lieu of a Regents examination |

# Weighted Average Achievement

**Step 1:**

Calculate the ELA, Math, and Science Indices

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

Denominator: Four-year accountability cohort as of June 30

**School A – All Students Subgroup**

| Subject | Accountability Cohort | Tested Accountability Cohort | # Level 1 | # Level 2 | # Level 3 | # Level 4 | Numerator | Denominator | Index |
|---------|----------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-------------|-------|
| ELA | 100 | 90 | 5 | 25 | 42 | 18 | 154 | 100 | 154 |
| Math | 100 | 92 | 6 | 27 | 41 | 18 | 154 | 100 | 154 |
| Science | 100 | 88 | 9 | 34 | 36 | 9 | 128.5 | 100 | 128.5 |

Note: Students for whom the only valid assessment record for a subject is an exemption from the 2019-20 spring administration of the Regents examination, approved alternative to the Regents examination, or NYSAA are not included in the accountability cohort for that subject's index calculations.

# Weighted Average Achievement

**Step 2:**

Calculate a weighted average of the ELA, Math, and Science Indices using the following formula:

$$\frac{3(ELA\ Index)\ +\ 3(Math\ Index)\ +\ 2(Science\ Index)}{8}$$

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

**School A – All Students Subgroup**

| Subject | Index | Weight | Weighted Value | Weighted Average Achievement Index |
|---------|-------|--------|----------------|-------------------------------------|
| ELA | 154 | 3 | 462 | |
| Math | 154 | 3 | 462 | 1181 ÷ 8 |
| Science | 128.5 | 2 | 257 | |
| | | Denominator = 8 | Numerator = 1181 | 147.6 |

# Weighted Average Achievement

**Step 3:**

Rank order schools by Weighted Average Achievement Index from Step 2

| School | Weighted Average Achievement Index | Rank |
|---|---|---|
| School H | 40.6 | 1 |
| School I | 53.1 | 2 |
| School C | 70.3 | 3 |
| School G | 88.9 | 4 |
| School E | 92.7 | 5 |
| School F | 110.4 | 6 |
| School J | 119.2 | 7 |
| School A | 147.6 | 8 |
| School D | 186.1 | 9 |
| School B | 210.8 | 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 H | 40.6 | 1 | 10% or less | 1 |
| School I | 53.1 | 2 | 10.1 to 50% | 2 |
| School C | 70.3 | 3 | 10.1 to 50% | 2 |
| School G | 88.9 | 4 | 10.1 to 50% | 2 |
| School E | 92.7 | 5 | 10.1 to 50% | 2 |
| School F | 110.4 | 6 | 50.1 to 75% | 3 |
| School J | 119.2 | 7 | 50.1 to 75% | 3 |
| School A | 147.6 | 8 | Greater than 75% | 4 |
| School D | 186.1 | 9 | Greater than 75% | 4 |
| School B | 210.8 | 10 | Greater than 75% | 4 |

# Core Subject Performance

**Step 1:**

Calculate the ELA, Math, and Science Performance Indices

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

Denominator: Tested students from the four-year accountability cohort as of June 30

**School A – All Students Subgroup**

| Subject | Accountability Cohort | Tested Accountability Cohort | # Level 1 | # Level 2 | # Level 3 | # Level 4 | Numerator | Denominator | Index |
|---|---|---|---|---|---|---|---|---|---|
| ELA | 100 | 90 | 5 | 25 | 42 | 18 | 154 | 90 | 171.1 |
| Math | 100 | 92 | 6 | 27 | 41 | 18 | 154 | 92 | 167.4 |
| Science | 100 | 88 | 9 | 34 | 36 | 9 | 128.5 | 88 | 146.0 |

# Core Subject Performance

**Step 2:**

Calculate a weighted average of the ELA, Math, and Science Indices using the following formula:

$$\frac{3(ELA\ Index)\ +\ 3(Math\ Index)\ +\ 2(Science\ Index)}{8}$$

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

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 A – All Students Subgroup**

| Subject | Index | Weight | Weighted Value | Core Subject Performance Index |
|---------|-------|--------|----------------|--------------------------------|
| ELA | 171.1 | 3 | 513.3 | |
| Math | 167.4 | 3 | 502.2 | 1307.5 ÷ 8 |
| Science | 146 | 2 | 292 | |
| | | Denominator = 8 | Numerator = 1307.5 | 163.4 |

# Core Subject Performance

**Step 3:**

Rank order schools by Core Subject Performance Index from Step 2

| School | Core Subject Performance Index | Rank |
|--------|-------------------------------|------|
| School H | 64.1 | 1 |
| School I | 75.9 | 2 |
| School C | 82.6 | 3 |
| School G | 99.4 | 4 |
| School E | 102.7 | 5 |
| School F | 139.5 | 6 |
| School J | 152.7 | 7 |
| School A | 163.4 | 8 |
| School D | 183.3 | 9 |
| School B | 211.7 | 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 H | 64.1 | 1 | 10% or less | 1 |
| School I | 75.9 | 2 | 10.1 to 50% | 2 |
| School C | 82.6 | 3 | 10.1 to 50% | 2 |
| School G | 99.4 | 4 | 10.1 to 50% | 2 |
| School E | 102.7 | 5 | 10.1 to 50% | 2 |
| School F | 139.5 | 6 | 50.1 to 75% | 3 |
| School J | 152.7 | 7 | 50.1 to 75% | 3 |
| School A | 163.4 | 8 | Greater than 75% | 4 |
| School D | 183.3 | 9 | Greater than 75% | 4 |
| School B | 211.7 | 10 | Greater than 75% | 4 |

# Example: Weighted Average Achievement

**Step 1:**

Calculate ELA, Math, and Science Indices

**School B – All Students Subgroup**

| Subject | Accountability Cohort | Tested Accountability Cohort | # Level 1 | # Level 2 | # Level 3 | # Level 4 | Numerator | Denominator | Index |
|---------|----------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-------------|-------|
| ELA | 250 | 219 | 129 | 65 | 17 | 8 | | | |
| Math | 250 | 216 | 134 | 63 | 14 | 5 | | | |
| Science | 250 | 193 | 124 | 51 | 12 | 6 | | | |

$$\text{Formula: } 100 * \frac{(Level\ 2) + 2(Level\ 3) + 2.5(Level\ 4)}{\#\ of\ Students\ in\ Accountability\ Cohort}$$

# Example: Weighted Average Achievement
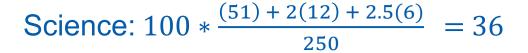
**Step 1:**

Calculate ELA, Math, and Science Indices

**School B – All Students Subgroup**

| Subject | Accountability Cohort | Tested Accountability Cohort | # Level 1 | # Level 2 | # Level 3 | # Level 4 | Numerator | Denominator | Index |
|---------|----------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-------------|-------|
| ELA | 250 | 219 | 129 | 65 | 17 | 8 | 119 | 250 | 47.6 |
| Math | 250 | 216 | 134 | 63 | 14 | 5 | 103.5 | 250 | 41.4 |
| Science | 250 | 193 | 124 | 51 | 12 | 6 | 90 | 250 | 36 |

$$\text{ELA: } 100 * \frac{(65) + 2(17) + 2.5(8)}{250} = 47.6$$

$$\text{Math: } 100 * \frac{(63) + 2(14) + 2.5(5)}{250} = 41.4$$

$$\text{Science: } 100 * \frac{(51) + 2(12) + 2.5(6)}{250} = 36$$

# Example: Weighted Average Achievement

**Step 2:**
Calculate Weighted Average Achievement Index

**School B – All Students Subgroup**

| Subject | Index | Weight | Weighted Value | Weighted Average Achievement Index |
|---------|-------|--------|----------------|-----------------------------------|
| ELA | 47.6 | 3 | 142.8 | 339 ÷ 8 |
| Math | 41.4 | 3 | 124.2 | |
| Science | 36 | 2 | 72 | |
| | | Denominator = 8 | Numerator = 339 | 42.4 |

$$\frac{3(ELA\ Index) + 3(Math\ Index) + 2(Science\ Index)}{8}$$

$$\frac{3(47.6) + 3(41.4) + 2(36)}{8} = 42.4$$

# Example: Weighted Average Achievement

## Step 3:

Rank order schools by Weighted Average Achievement Index

| School | Weighted Average Achievement Index |
|--------|-----------------------------------|
| School A | 109.5 |
| School B | 42.4 |
| School C | 221.1 |
| School D | 68.3 |
| School E | 115.1 |
| School F | 81.4 |
| School G | 124.8 |
| School H | 92.1 |
| School I | 157.3 |
| School J | 51.1 |

| School | Weighted Average Achievement Index | Rank |
|--------|-----------------------------------|------|
| School B | 42.4 | 1 |
| School J | 51.1 | 2 |
| School D | 68.3 | 3 |
| School F | 81.4 | 4 |
| School H | 92.1 | 5 |
| School A | 109.5 | 6 |
| School E | 115.1 | 7 |
| School G | 124.8 | 8 |
| School I | 157.3 | 9 |
| School C | 221.1 | 10 |

# Example: 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 B | 42.4 | 1 | 10% or less | 1 |
| School J | 51.1 | 2 | 10.1 to 50% | 2 |
| School D | 68.3 | 3 | 10.1 to 50% | 2 |
| School F | 81.4 | 4 | 10.1 to 50% | 2 |
| School H | 92.1 | 5 | 10.1 to 50% | 2 |
| School A | 109.5 | 6 | 50.1 to 75% | 3 |
| School E | 115.1 | 7 | 50.1 to 75% | 3 |
| School G | 124.8 | 8 | Greater than 75% | 4 |
| School I | 157.3 | 9 | Greater than 75% | 4 |
| School C | 221.1 | 10 | Greater than 75% | 4 |

# Example: Core Subject Performance

**Step 1:**

Calculate ELA, Math, and Science Performance Indices

**School B – All Students Subgroup**

| Subject | Accountability Cohort | Tested Accountability Cohort | # Level 1 | # Level 2 | # Level 3 | # Level 4 | Numerator | Denominator | Index |
|---------|----------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-------------|-------|
| ELA | 250 | 219 | 129 | 65 | 17 | 8 | | | |
| Math | 250 | 216 | 134 | 63 | 14 | 5 | | | |
| Science | 250 | 193 | 124 | 51 | 12 | 6 | | | |

Formula: $100 * \dfrac{(Level\ 2) + 2(Level\ 3) + 2.5(Level\ 4)}{\#\ of\ Tested\ Students\ in\ Accountability\ Cohort}$

# Example: Core Subject Performance
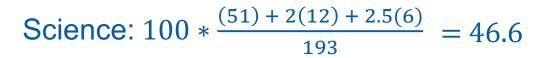
**Step 1:**

Calculate ELA, Math, and Science Performance Indices

**School B – All Students Subgroup**

| Subject | Accountability Cohort | Tested Accountability Cohort | # Level 1 | # Level 2 | # Level 3 | # Level 4 | Numerator | Denominator | Index |
|---------|----------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-------------|-------|
| ELA | 250 | 219 | 129 | 65 | 17 | 8 | 119 | 219 | 54.3 |
| Math | 250 | 216 | 134 | 63 | 14 | 5 | 103.5 | 216 | 47.9 |
| Science | 250 | 193 | 124 | 51 | 12 | 6 | 90 | 193 | 46.6 |

$$\text{ELA: } 100 * \frac{(65) + 2(17) + 2.5(8)}{219} = 54.3$$

$$\text{Math: } 100 * \frac{(63) + 2(14) + 2.5(5)}{216} = 47.9$$

$$\text{Science: } 100 * \frac{(51) + 2(12) + 2.5(6)}{193} = 46.6$$

# Example: Core Subject Performance

**Step 2:**

Calculate Core Subject Performance Index

**School B – All Students Subgroup**

| Subject | Index | Weight | Weighted Value | Core Subject Performance Index |
|---------|-------|--------|----------------|--------------------------------|
| ELA | 54.3 | 3 | 163 | 400 ÷ 8 |
| Math | 47.9 | 3 | 143.8 | |
| Science | 46.6 | 2 | 93.2 | |
| | | Denominator = 8 | Numerator = 400 | 50 |

$$\frac{3(ELA\ Index)\ +\ 3(Math\ Index)\ +\ 2(Science\ Index)}{8}$$

$$\frac{3(163)\ +\ 3(143.8)\ +\ 2(93.2)}{8} = 50$$

# Example: Core Subject Performance

## Step 3:

Rank order schools by Core Subject Performance Index

| School | Core Subject Performance Index |
|--------|-------------------------------|
| School A | 141.2 |
| School B | 50 |
| School C | 221.8 |
| School D | 91.4 |
| School E | 150.3 |
| School F | 106.7 |
| School G | 163.9 |
| School H | 119.3 |
| School I | 198.1 |
| School J | 82.8 |

| School | Core Subject Performance Index | Rank |
|--------|-------------------------------|------|
| School B | 50 | 1 |
| School J | 82.8 | 2 |
| School D | 91.4 | 3 |
| School F | 106.7 | 4 |
| School H | 119.3 | 5 |
| School A | 141.2 | 6 |
| School E | 150.3 | 7 |
| School G | 163.9 | 8 |
| School I | 198.1 | 9 |
| School C | 221.8 | 10 |

# Example: 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 B | 50 | 1 | 10% or less | 1 |
| School J | 82.8 | 2 | 10.1 to 50% | 2 |
| School D | 91.4 | 3 | 10.1 to 50% | 2 |
| School F | 106.7 | 4 | 10.1 to 50% | 2 |
| School H | 119.3 | 5 | 10.1 to 50% | 2 |
| School A | 141.2 | 6 | 50.1 to 75% | 3 |
| School E | 150.3 | 7 | 50.1 to 75% | 3 |
| School G | 163.9 | 8 | Greater than 75% | 4 |
| School I | 198.1 | 9 | Greater than 75% | 4 |
| School C | 221.8 | 10 | Greater than 75% | 4 |

# Weighted Average Achievement Index and Core Subject Performance Index, Compared

Weighted Average Achievement Subject Index Denominators: Accountability cohort as of June 30

| Subject | Accountability Cohort | Tested Accountability Cohort | # Level 1 | # Level 2 | # Level 3 | # Level 4 | Numerator | Denominator | Index |
|---------|----------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-------------|-------|
| ELA | 250 | 219 | 129 | 65 | 17 | 8 | 119 | 250 | 47.6 |
| Math | 250 | 216 | 134 | 63 | 14 | 5 | 103.5 | 250 | 41.4 |
| Science | 250 | 193 | 124 | 51 | 12 | 6 | 90 | 250 | 36 |

Core Subject Performance Index Denominators: Tested students from the accountability cohort as of June 30

| Subject | Accountability Cohort | Tested Accountability Cohort | # Level 1 | # Level 2 | # Level 3 | # Level 4 | Numerator | Denominator | Index |
|---------|----------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-------------|-------|
| ELA | 250 | 219 | 129 | 65 | 17 | 8 | 119 | 219 | 54.3 |
| Math | 250 | 216 | 134 | 63 | 14 | 5 | 103.5 | 216 | 47.9 |
| Science | 250 | 193 | 124 | 51 | 12 | 6 | 90 | 193 | 46.6 |

# Weighted Average Achievement Index and Core Subject Performance Index, Compared

| Subject | Index | Weight | Weighted Value | Weighted Average Achievement Index |
|---------|-------|--------|----------------|-------------------------------------|
| ELA | 47.6 | 3 | 142.8 | |
| Math | 41.4 | 3 | 124.2 | 339 ÷ 8 |
| Science | 36 | 2 | 72 | |
| | | Denominator = 8 | Numerator = 339 | 42.4 |

| Subject | Index | Weight | Weighted Value | Core Subject Performance Index |
|---------|-------|--------|----------------|---------------------------------|
| ELA | 54.3 | 3 | 163 | |
| Math | 47.9 | 3 | 143.8 | 400 ÷ 8 |
| Science | 46.6 | 2 | 93.2 | |
| | | Denominator = 8 | Numerator = 400 | 50 |

# Special N-Size Rule

A Core Subject Performance Index will be calculated for a subgroup if its Core Subject Performance n-size is:

(a) ≥ 15 and < 30

**AND**

(b) ≥ 50% of the Weighted Average Achievement n-size

Core Subject Performance n-size: The sum of students in a subgroup's Core Subject Performance cohort in ELA, Math, and Science

### School D Subgroup Data

| Subgroup | Weighted Average Achievement N-Size (Tested and Untested) | Core Subject Performance N-Size (Tested) | 50% Weighted Average Achievement N-Size | Will Weighted Average Achievement Index be Calculated? | Will Core Subject Performance Index be Calculated? |
|---|---|---|---|---|---|
| All Students | 132 | 92 | 66 | Yes | Yes |
| Black | 48 | 45 | 24 | Yes | Yes |
| Hispanic | 36 | 16 | 18 | Yes | No |
| Multiracial | 6 | 2 | 3 | No | No |
| White | 42 | 29 | 21 | Yes | Yes |

# 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**

# Thank You!

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