

# Core Subject Performance

## Elementary/Middle Level

Beginning in the 2025-2026 school year (SY), the **Core Subject Performance** indicator will have minimal revisions to its calculation methodology from prior years.

### What does the Core Subject Performance indicator measure?

The Core Subject Performance indicator measures the **academic achievement of continuously enrolled students with valid assessment results**. At the elementary/middle level, the Core Subject Performance indicator measures annual student performance in three subjects.

#### English Language Arts (ELA)



#### Math



#### Science



Restored to calculations starting with 2024-2025 SY results

### How is the Core Subject Performance indicator calculated?

The Core Subject Performance indicator will be calculated for an accountability subgroup when the **number of continuously enrolled students with valid Grades 3-8 ELA, math, and science assessment results combined is greater than or equal to 20**. Students' scale scores are converted into **accountability achievement levels** ranging from **1 to 4**.

1. Calculate ELA, math, and science subject Performance Indices (PIs) using the formula below.

$$PI = \frac{(\# \text{ Level 2}) + 2(\# \text{ Level 3}) + 2.5(\# \text{ Level 4})}{\# \text{ of continuously enrolled students with valid assessment results}} \times 100$$

2. Calculate the Core Subject Performance Index using the formula below.

$$\text{Core Subject Performance Index} = \frac{\text{ELA PI Numerator} + \text{Math PI Numerator} + \text{Science PI Numerator}}{\text{ELA PI Denominator} + \text{Math PI Denominator} + \text{Science PI Denominator}} \times 100$$

3. Assign Core Subject Performance Level using static cut points established based on ranked 2023-2024 SY outcomes (ranking as seen in table below) and reestablished every three years.

Rank	Core Subject Performance Level
≤ 10%	1
10.1-50%	2
50.1-75%	3
≥ 75%	4

# What is an example of a Core Subject Performance calculation?

Let's calculate the Core Subject Performance Level for School R's All Students Group.

## 1. Calculate ELA, math, and science subject PIs.

Subject	# Continuously Enrolled Students	# Tested Students	# Level 1	# Level 2	# Level 3	# Level 4	PI Numerator
ELA	200	186	34	64	52	36	258
Math	200	186	37	67	49	33	247.5
Science	80	74	12	28	24	10	101

$$\text{ELA PI} = \frac{(64) + 2(52) + 2.5(36)}{186} \times 100 = 138.7$$

$$\text{Math PI} = \frac{(67) + 2(49) + 2.5(33)}{186} \times 100 = 133.1$$

$$\text{Science PI} = \frac{(28) + 2(24) + 2.5(10)}{74} \times 100 = 136.5$$

## 2. Calculate the Core Subject Performance Index.

$$\text{Core Subject Performance Index} = \frac{258 + 247.5 + 101}{186 + 186 + 74} \times 100 = 136$$

## 3. Assign Core Subject Performance Level using static cut points.

**Note:** Static cut points displayed in this table are **examples only** and may not be used for 2025-2026 SY determinations.

Core Subject Performance Index	Core Subject Performance Level
Less than 87.5	1
87.5-132.4	2
132.5-159.5	3
Greater than 159.5	4

# How can the Core Subject Performance indicator be used for continuous improvement?

Schools and subgroups with Core Subject Performance Level 1 may be identified for more rigorous support models.

Analyzing Core Subject Performance data in combination with local data elements can support goal-setting, instructional decision-making, and the needs assessment process.

Student level data used for calculating Core Subject Performance can be found in the SIRS 106 report.

## Want to know more?

For more tools and resources about the New York State ESSA Accountability System, visit the NYSED School and District Accountability Resources and Data website.

To learn more about resources and supports for identified schools and districts, visit the NYSED Office of Accountability's Continuous Improvement website.



<https://www.nysed.gov/accountability/school-and-district-accountability-resources-and-data>



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