

Core Subject Performance

High School 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 tested students in an accountability cohort**. At the high school level, the Core Subject Performance indicator measures student performance in four subjects.

English Language Arts (ELA)



Math



Science



Social Studies



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 each accountability subgroup in an accountability cohort (i.e., students who entered Grade 9 four years prior and were enrolled in the school on BEDS Day and on April 1 of the reporting year) when **the number of ELA, math, science, and social studies 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, science, and social studies subject Performance Indices (PIs) using the formula below.

$$PI = \frac{(\# \text{ Level 2}) + 2(\# \text{ Level 3}) + 2.5(\# \text{ Level 4})}{\# \text{ of tested students in accountability cohort}} \times 100$$

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

$$\text{Core Subject Performance Index} = \frac{3(\text{ELA PI}) + 3(\text{Math PI}) + 2(\text{Science PI}) + 2(\text{Social Studies PI})}{10}$$

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, science, and social studies subject PIs.

Subject	# of Students in Cohort	# Tested Students	# Level 1	# Level 2	# Level 3	# Level 4
ELA	95	91	6	24	39	22
Math	95	90	8	27	37	18
Science	95	85	9	29	30	17
Social Studies	95	82	7	28	29	18

ELA PI

$$\frac{(24) + 2(39) + 2.5(22)}{91} \times 100 = 172.5$$

Math PI

$$\frac{(27) + 2(37) + 2.5(18)}{90} \times 100 = 162.2$$

Science PI

$$\frac{(29) + 2(30) + 2.5(17)}{85} \times 100 = 154.7$$

Social Studies PI

$$\frac{(28) + 2(29) + 2.5(18)}{82} \times 100 = 159.8$$

2. Calculate the Core Subject Performance Index.

$$\text{Core Subject Performance Index} = \frac{3(172.5) + 3(162.2) + 2(154.7) + 2(159.8)}{10} = 163.3$$

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

Core Subject Performance Index	Core Subject Performance Level
0-70	1
70.1-133.3	2
133.4-165.5	3
165.6-250	4

[Click here for the Core Subject Performance Level static cut points](#)

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 can support goal-setting, instructional decision-making, and the needs assessment process.

Data used for calculating Core Subject Performance can be found in the SIRS 114 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.

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

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/continuous-improvement>

