

## Schoolnet: Key Performance Indicators

Audience Roles: Leadership, Staff with Specialist and/or Analyst

The following table lists all of the default Key Performance Indicators (KPIs) that are available to be displayed in the KPI Dashboard. KPIs may be renamed, categorized, or hidden as desired. In addition to the KPI data shown on the dashboard, published reports may be associated as “related reports.” This document explains which benchmarks KPIs use for calculations, as well as best practices for scheduling tests in order to display the expected results.

Default KPI Name	Description	Calculation
Total enrollment	Total enrollment indicates the total number of currently enrolled students.	No calculation is used: this is simply the total number of students currently enrolled.
Average daily attendance (year-to-date)	Average daily attendance (year-to-date) shows the day-by-day attendance rate for an institution, using the number of days that school has been in session for the current school year and the number of students currently enrolled.  Note: You may wish to disable this KPI at the beginning of the school year until the first attendance data is loaded, since attendance will show as 100% unless actual data is available.	(Sum total of actual days present for currently enrolled students) / (Sum total number of days attended by all students currently enrolled)  Note: This KPI uses a student’s year-to-date attendance records. It will include attendance rates from another school that a student attended during the current school year.
Average daily attendance of currently enrolled students (last enrollment)	Average daily attendance (last enrollment) reveals the day-by-day attendance rate for an institution, using the number of days that school has been in session for the current school year and the number of students currently enrolled.  Note: You may wish to disable this KPI at the beginning of the school year until the first attendance data is loaded, since attendance will show as 100% unless actual data is available.	(Sum total of actual days present for students enrolled at the institution for the current school year) / (Sum total number of days attended by all students enrolled at the institution during the current school year)  Note: This KPI uses only the attendance data of students at the school where they are currently enrolled.

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Default KPI Name	Description	Calculation
Students chronically absent (percentage)	<p>Students chronically absent (percentage) reveals the percentage of currently enrolled students who have been absent more than a configured threshold of school days.</p> <p>Note: You may wish to disable this KPI at the beginning of the school year until the number of enrollment days at least equals the defined threshold. If desired, adjust the threshold per marking period to take into account the number of days elapsed.</p>	<p>(Number of currently enrolled students whose rate of absences rise above the district-defined threshold of &lt;#&gt; days) / (Total number of currently enrolled students)</p> <p>Note: Rate of absences is defined as: (One student's number of days absent) / (Total number of days school has been in session during the current year)</p>
Students chronically tardy (percentage)	<p>The percentage of currently enrolled students who have been tardy more than a district-defined threshold of days.</p>	<p>(Number of currently enrolled students whose rate of tardiness rises above the district-defined threshold of &lt;#&gt; days) / (Total number of currently enrolled students)</p> <p>Note: Rate of tardiness is defined as: (One student's number of days tardy) / (Total number of days school has been in session during the current year)</p>
Attendance Anomaly Index	<p>Changes in attendance between the current school year and previous school years during similar times of the year. This data can be helpful in identifying localized health or environmental issues.</p>	<p>This KPI looks at the current attendance by institution and compares it to that institution's attendance during the same time period over the last two years. The higher the attendance anomaly index value, the higher the spike in absences in the current school year.</p>
Dropout Rate From Last School	<p>The rate at which students during this school year dropped out from the last institution where they were enrolled.</p>	<p>(Total number of students with dropout withdrawal codes registered at the institution for this school year) / (Total number of students enrolled at the institution over the year)</p>

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Default KPI Name	Description	Calculation
Limited English Proficiency	The percentage of currently enrolled students who are identified (in the student information system data load) as having Limited English Proficiency (LEP).	$(\text{Total number of students currently enrolled who are identified as Limited English Proficiency}) / (\text{Total number of students currently enrolled})$
Special Education Programs	The percentage of currently enrolled students who are identified (in the student information system data load) as Special Education students.	$(\text{Total number of students currently enrolled who are identified as Special Education students}) / (\text{Total number of students currently enrolled})$
Students who have been suspended (%)	The percentage of currently enrolled students who have received a suspension at least once during the current school year.  Note: The calculation includes only the suspensions selected in the system configuration.	$(\text{Total number of currently enrolled students who have been suspended at least once during the current school year at any institution}) / (\text{Total number of currently enrolled students at this institution})$
Students who have committed disciplinary infractions (percentage)	The percentage of currently enrolled students who have committed a disciplinary infraction during the current school year.  Note: The calculation includes only the infractions selected in the system configuration.	$(\text{Total number of currently enrolled students who have committed at least one disciplinary infraction during the current school year at any institution}) / (\text{Total number of students currently enrolled})$
Mobility Rate	The rate at which currently enrolled students for the current school year have dropped out from the institution in the current school year.  Note: The calculation includes only the mobility codes selected in the system configuration are included in the calculation.	$(\text{Total number of dropout withdrawal codes registered at the institution for the current school year}) / (\text{Total number of students currently enrolled at the institution})$

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Default KPI Name	Description	Calculation
Percent Proficient on Most Recent Math Periodic Assessment*	The percentage of students who met or exceeded a school district-defined level of proficiency on the most recent district-wide math benchmark test.	(Number of students who scored proficient or above on the most recent district-wide math benchmark test) / (Total number of students who had taken the most recent district-wide math benchmark during the current school year).
Percent Proficient on Most Recent Reading Periodic Assessment*	The percentage of students who met or exceeded a school district-defined level of proficiency on the most recent district-wide ELA benchmark test.	<p>(Number of students who scored proficient or above on the most recent district-wide literacy benchmark test) / (Total number of students who had taken the most recent district-wide literacy benchmark during the current school year).</p> <p>Note: This KPI excludes any assessments tagged with a reading or writing focus.</p>
Most Recent Focus Reading benchmark test (percent proficient)*	The percentage of students who met or exceeded a school district-defined level of proficiency on the most recent district-wide reading focus benchmark test.	(Number of students who scored proficient or above on the most recent district-wide reading focus benchmark test) / (Total number of students who had taken the most recent district-wide reading focus benchmark during the current school year).
Most Recent Focus Writing benchmark test (percent proficient)*	The percentage of students who met or exceeded a school district-defined level of proficiency on the most recent district-wide writing focus benchmark test.	(Number of students who scored proficient or above on the most recent district-wide writing focus benchmark test) / (Total number of students who had taken the most recent district-wide writing focus benchmark during the current school year).

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Default KPI Name	Description	Calculation
Percent Proficient on Most Recent Social Studies Periodic Assessment*	The percentage of students who met or exceeded a school district-defined level of proficiency on the most recent district-wide social studies benchmark test.	$\frac{\text{(Number of students who scored proficient or above on the most recent district-wide social studies benchmark test)}}{\text{(Total number of students who had taken the most recent district-wide social studies benchmark during the current school year)}}$
Percent Proficient on Most Recent Science Periodic Assessment*	The percentage of students who met or exceeded a school district-defined level of proficiency on the most recent district-wide science benchmark test.	$\frac{\text{(Number of students who scored proficient or above on the most recent district-wide science benchmark test)}}{\text{(Total number of students who had taken the most recent district-wide science benchmark during the current school year)}}$
Math State Test % Proficient	The percentage of students who met or exceeded a state-defined level of proficiency on the mathematics section the most recent standardized test.	$\frac{\text{(Total number of currently enrolled students who took the defined test—for the year, grade level, and subject—and scored at or above proficiency)}}{\text{(Total number of currently enrolled students who took the defined test for the defined year, grade level, and subject)}}$
ELA State Test % Proficient	The percentage of students who met or exceeded a state-defined level of proficiency on the literacy section of the most recent standardized test.	$\frac{\text{(Total number of currently enrolled students who have taken the defined test—for the year, grade level and subject—and scored at or above proficiency)}}{\text{(Total number of currently enrolled students who took the defined test for the defined year, grade level, and subject)}}$
Standardized Writing test (percent proficient)	The percentage of students who met or exceeded a state-defined level of proficiency on the writing section the most recent standardized test.	$\frac{\text{(Total number of currently enrolled students who took the defined test—for the year, grade level, and subject—and scored at or above proficiency)}}{\text{(Total number of currently enrolled students who took the defined test for the defined year, grade level, and subject)}}$

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Standardized Science test (percent proficient)	The percentage of students who met or exceeded a state-defined level of proficiency on the science section the most recent standardized test.	(Total number of currently enrolled students who took the defined test—for the year, grade level, and subject—and scored at or above proficiency) / (Total number of currently enrolled students who took the defined test for the defined year, grade level, and subject)
Standardized Social Studies test (percent proficient)	The percentage of students who met or exceeded a state-defined level of proficiency on the social studies section the most recent standardized test.	(Total number of currently enrolled students who took the defined test—for the year, grade level, and subject—and scored at or above proficiency) / (Total number of currently enrolled students who took the defined test for the defined year, grade level, and subject)

## \* Understanding How Benchmark KPIs are Calculated

All KPIs with titles that include the terms “benchmark” or “periodic assessment” are calculated based on results for the most recent test administered that is tagged to the “district benchmark test” category at each grade level at the institution. These KPIs do not necessarily reflect the most recent test for each student at the institution. Dates are based on test start date. How you schedule tests impacts KPI calculations considerably.

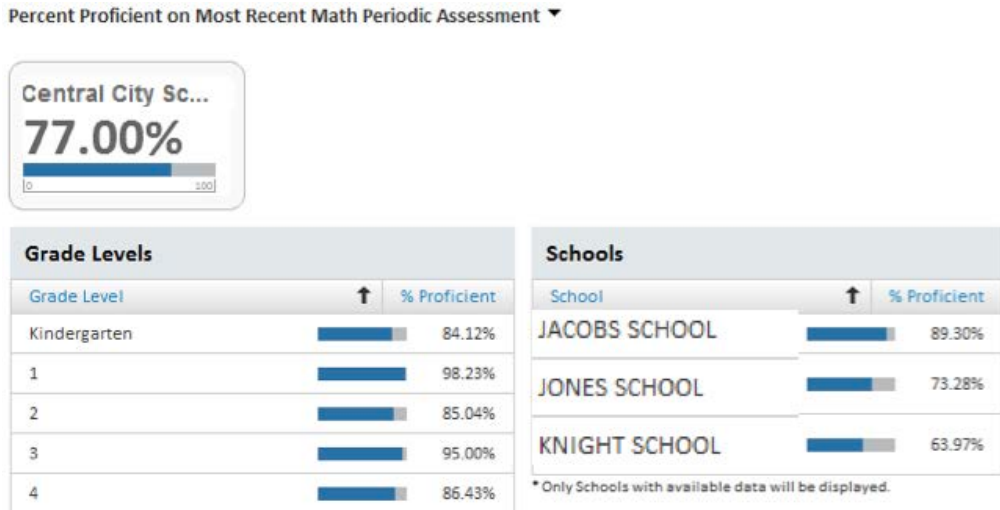
Examples, notes, and best practices:

- If a geometry test has a start date of 2/5 and the algebra test’s start date is 2/7, and if both are tagged to grades 9-12, only algebra results are reflected in the KPI. Make the start dates match to include both tests in the KPI.
- If a grade 5 reading test has a start date of 11/13 and four students take a 11/20 make-up test, the KPI will reflect data only from the four students who took the make-up test, since it is now the most recent grade 5 district test. To avoid this scenario, either 1) have the four students take the original test, and assign the make-up test to the “school benchmark category” so that it will not be used for KPI calculations, or 2) make the start date match that of the original assessment, even if the end date is later. To align start dates retroactively, edit the make-up test start date to match the other test’s start date, so that both administrations are reflected. (This requires overnight processing).
- Tag the grade range of tests as narrowly as possible. It is fine to assign some students and sections to off-grade tests, but remember that for each subject, the calculation uses the most recent test tagged for each grade level. For example, if you have one reading test tagged for grades 3-4 and another for 4-5, the calculation for grade 4 will use only the one with the later start date. Unless you choose the option to restrict the test to only those students assigned, take note that an “off-year” student can still take the test even if it isn’t tagged to the student’s grade level.
- Unless you choose the option to restrict students from taking a test outside the start and end date window, tests can be administered after the end date. Only the start date you associate to the test when you schedule it matters for the calculation. The date when the student actually takes the test does not matter for the calculation.

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## Why Some KPI Calculations May Appear to Conflict

Compare the following two images. Why doesn't Bates School appear on the list of schools in the KPI detail for the district, even though it does have a KPI calculation if you look on the school's KPI dashboard? There is an explanation. Here is an example:



When viewing the district KPI detail screen, Bates School is not included because none of their students took the most recent math assessment administered for each grade in the district.

However, when looking at the school KPI, there is a calculation because the school did administer at least one math assessment. The reason for this is that for all grades the tests were administered earlier than the ones taken by the other schools. Therefore they are not reflected in the district KPI.

