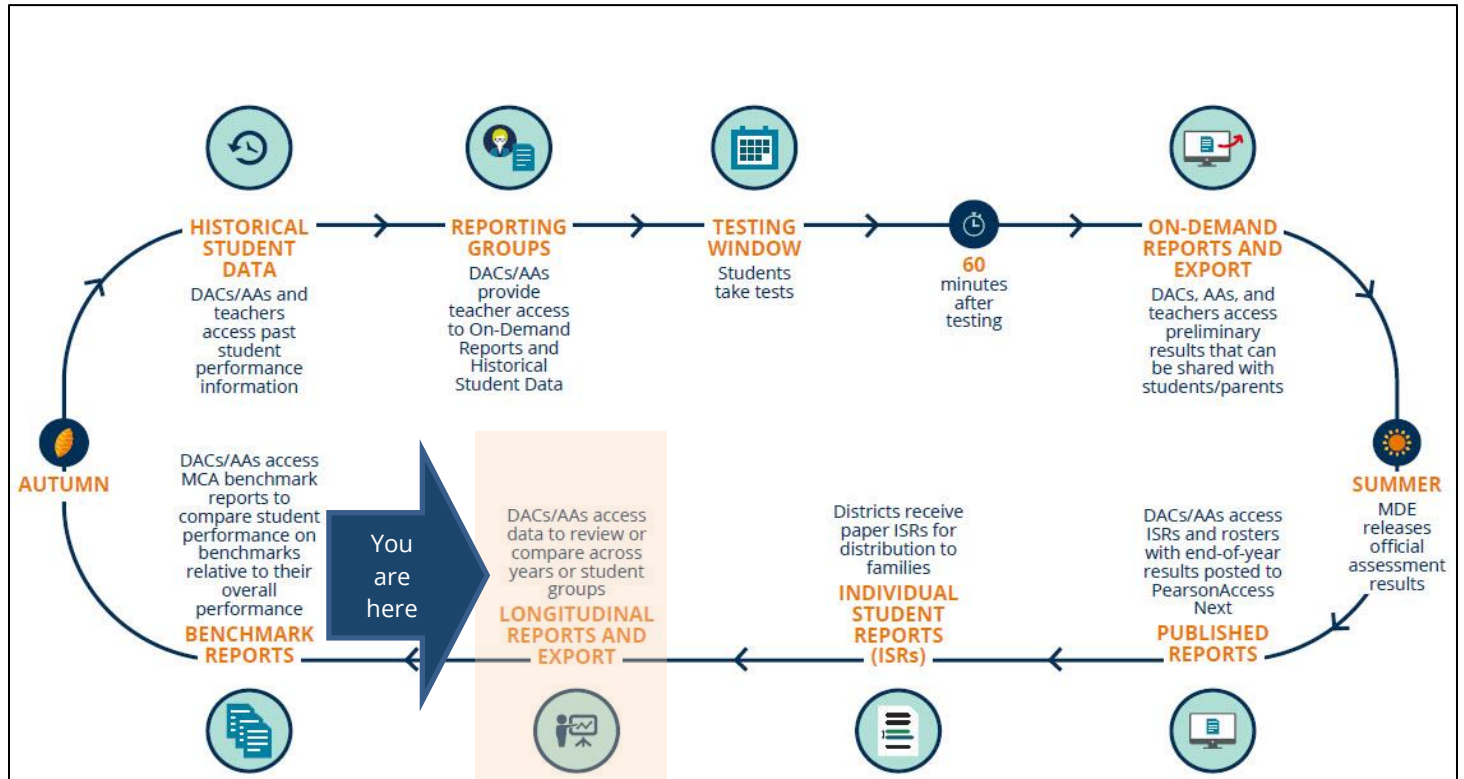


# Longitudinal Reports and Export User Guide

This guide provides instructions on viewing, printing, downloading, and exporting Longitudinal Reports in PearsonAccess Next.

Note: The individual student information available in the secure PearsonAccess Next system is private student data. Ensure student data privacy is maintained when accessing, printing, or sharing information from the system.



## Overview

Longitudinal Reports provide a graphical display of historical results at the student, school, district, and/or state level for review or comparison by administration (test and year), overall and average scale score, achievement level, strand performance detail, and/or student group.

Longitudinal reports are currently available for the following test administrations:

- MCA 2011–2019; 2021–24\*
- MTAS 2011–2019; 2021–24\*

\*2020 summary results are not available in Longitudinal Reports due to COVID-19. The student-level results that are available for 2020 are included in the Longitudinal Export. A limited number of completed tests with valid scores for individual students are also available in Historical Student Data for 2020.

## Access by User Role

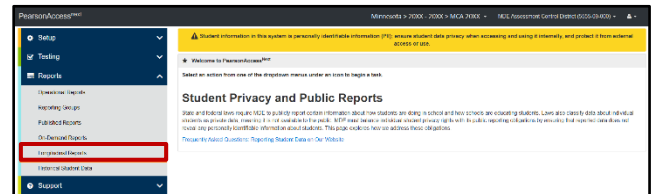
Users with the District Assessment Coordinator (DAC) or Assessment Administrator (AA) role in PearsonAccess Next have access to longitudinal reports.

### Report Access by User Role

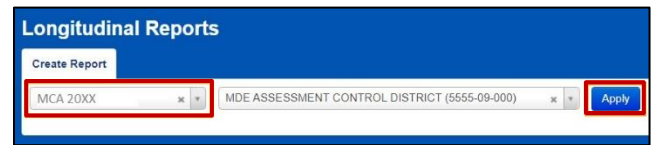
User Role	Longitudinal Reports	Longitudinal Export
District Assessment Coordinator (DAC)	Yes	Yes
Assessment Administrator (AA)	Yes	Yes
Test Monitor/Data Entry	No	No
MTAS Entry	No	No

## Access Longitudinal Reports

- From the Home page, under **Reports**, select **Longitudinal Reports**.



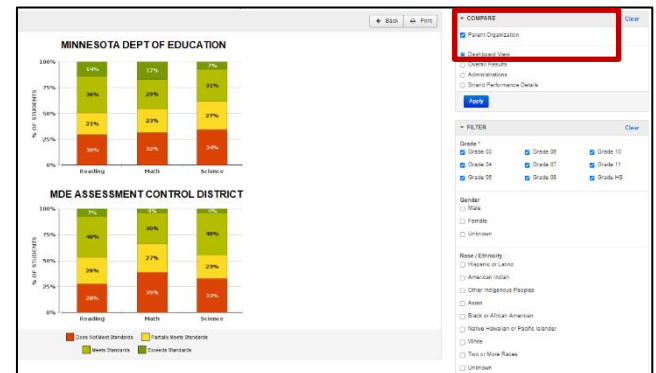
- The test administration selected on the homepage is the default view. Under **Create Reports**, use the dropdown menus next to each field to select a different test administration and/or organization, as needed. Then select **Apply**.



Data available depends on the organization assigned to the user or by the level of organization selected, whether district or school. The following sections outline some ways to view results in Longitudinal Results.

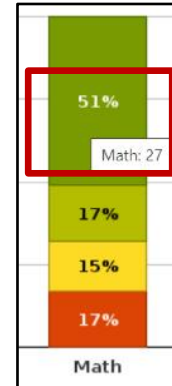
## View Summary Results by Subject

- Under COMPARE, the **Parent Organization** and **Dashboard View** is the default view. When selected, Parent Organization provides results for both the organization and its parent organization for comparison.
  - The parent organization for a district is the state.
  - The parent organizations for a school are the district and state.



**Dashboard View** provides a high-level summary chart by achievement level (Does Not Meet Standards, Partially Meets Standards, Meets Standards, and Exceeds Standards) by test administration at the subject level.

- The graph displays student performance by percentage.
- Hover over the percentages on the bar graph to see student counts.



- In the Dashboard View under **FILTER**, the default view for **Grade** is all grades. To limit grades shown in data in graph, deselect one or more grades as needed then select **Apply**.

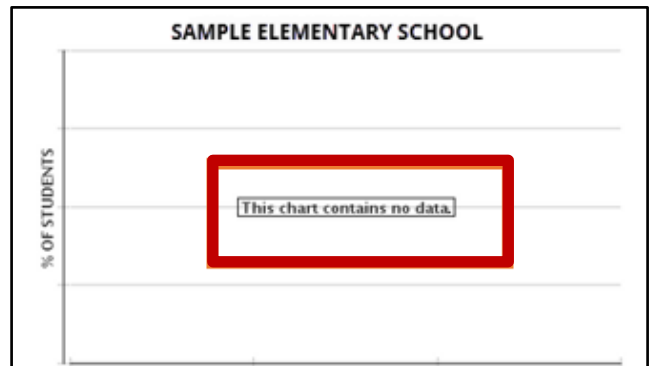
Note: Grade is a required field. At least one grade must be selected.

**▼ FILTER** Clear

**Grade \***

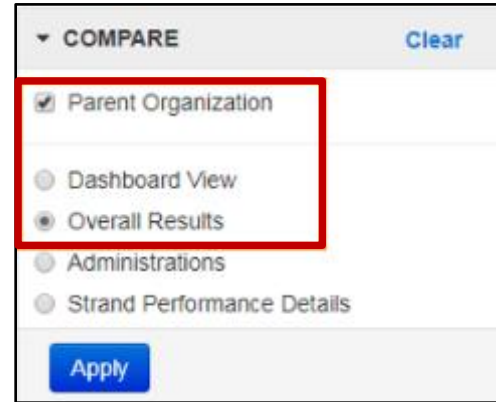
<input checked="" type="checkbox"/> Grade 03	<input checked="" type="checkbox"/> Grade 06	<input checked="" type="checkbox"/> Grade 10
<input checked="" type="checkbox"/> Grade 04	<input checked="" type="checkbox"/> Grade 07	<input checked="" type="checkbox"/> Grade 11
<input checked="" type="checkbox"/> Grade 05	<input checked="" type="checkbox"/> Grade 08	<input checked="" type="checkbox"/> Grade HS

Note: If a chart for a selected organization has no data, verify the selected grades are applicable for that organization. For example, if an elementary school and grade 11 are selected, then there would not be grade 11 data available. Select the applicable grade(s) for the organization(s) selected.



## Options to Compare Results in Longitudinal Reports

1. Parent Organization and only one other radio button can be selected at a time (Dashboard View, Overall Results, Administrations, or Strand Performance Details).

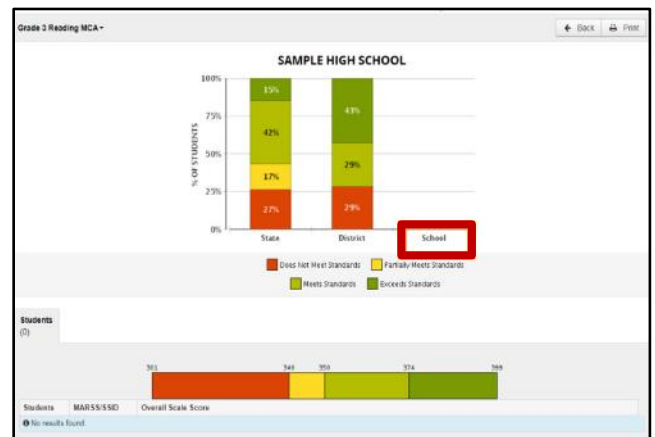


▼ COMPARE Clear

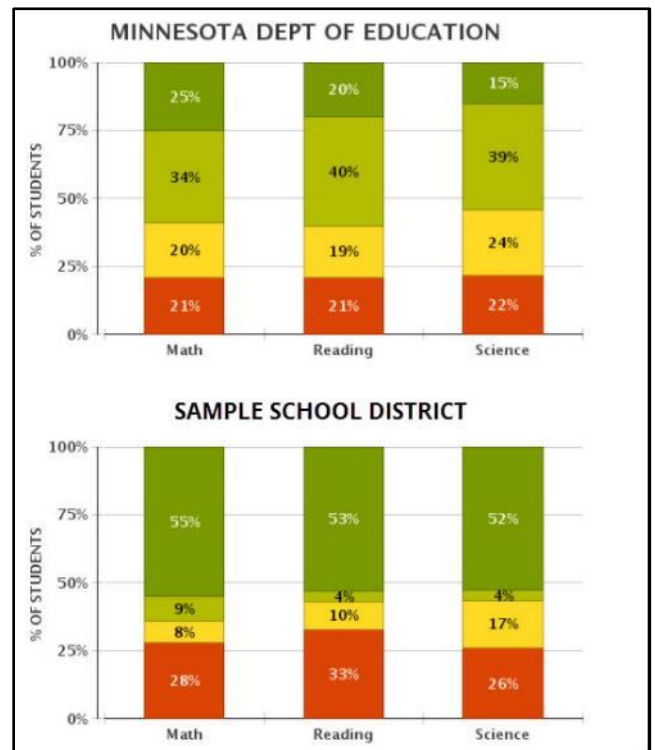
- Parent Organization
- Dashboard View
- Overall Results
- Administrations
- Strand Performance Details

Apply

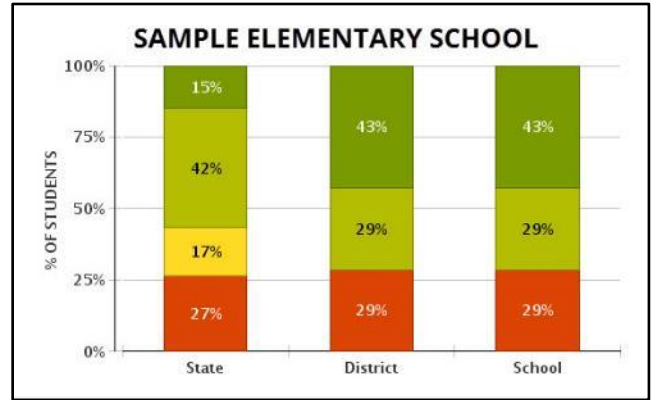
Note: If a chart for a selected organization has no data, verify the selected test is applicable for that organization. For example, if a high school and grade 3 reading are selected, then there would not be grade 3 reading data available under Overall Results. The school column within the graph would be blank and no student results are found. Select the applicable test for the organization(s) selected.



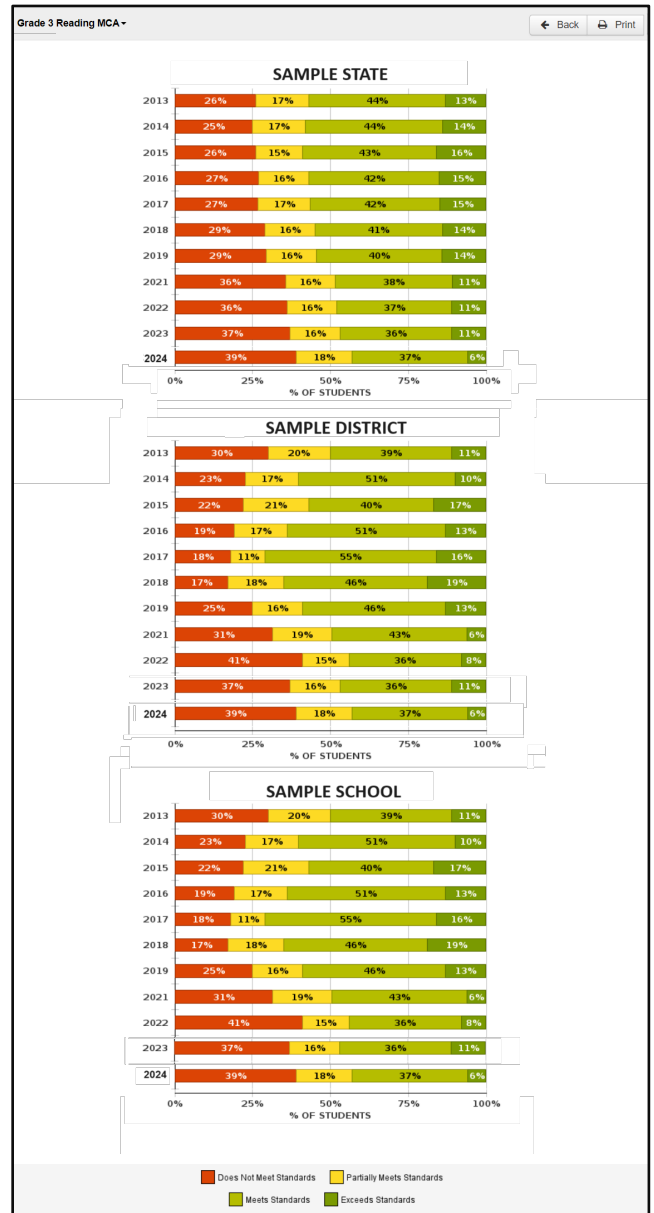
- a) If Parent Organization and Dashboard View are selected in the COMPARE box, subject level results are displayed in comparison to the parent organization(s) results.



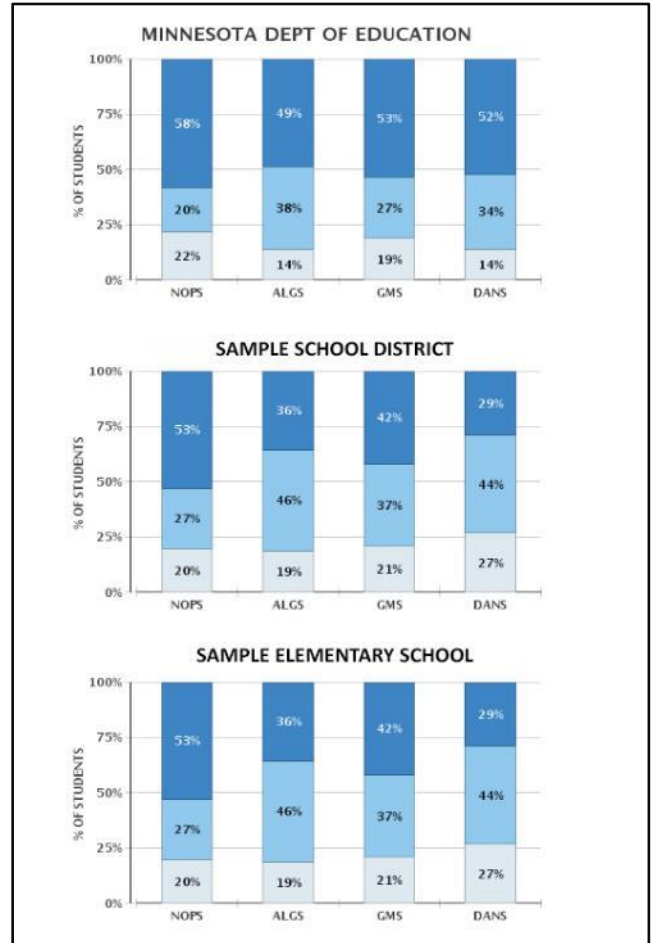
b) If Parent Organization and Overall Results are selected in the COMPARE box, results for the selected test (for example, Grade 3 Reading MCA) are displayed in comparison to the parent organization(s) results.



c) If Parent Organization and Administrations are selected in the COMPARE box, results for the selected administration and any previous administrations will appear for the selected organization and any parent organization(s).



d) If Parent Organization and Strand Performance Details (MCA 2016 and forward) are selected in the COMPARE box, results will appear by strand for the organization and any parent organizations.



2. To remove the comparison to the parent organization(s) and compare other data, under COMPARE, deselect the checkbox to the left of Parent Organization and select **Apply**.

**COMPARE** Clear

Parent Organization

Dashboard View

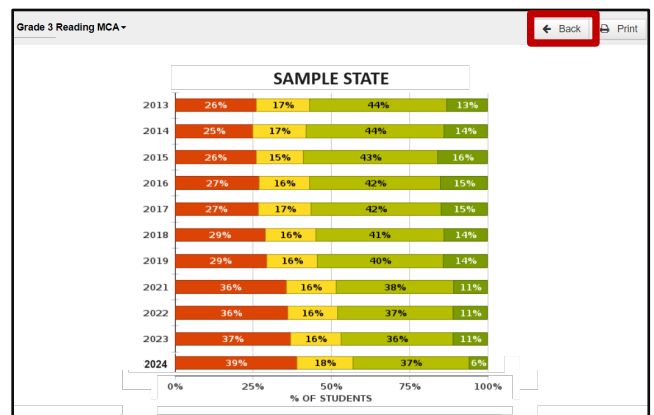
Overall Results

Administrations

Strand Performance Details

**Apply**

3. Select the **Back** button to go back to previously viewed screens.





Pearson

4. Select **Clear** to remove current selections in the COMPARE box and start selection process again if different comparison results are desired.

▼ COMPARE Clear

Parent Organization

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Dashboard View

Overall Results

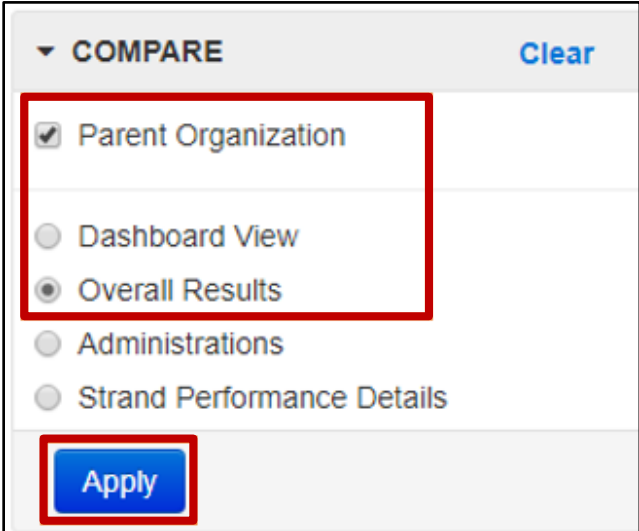
Administrations

Strand Performance Details

Apply

## View Overall Results For a Specific Test by Achievement Level

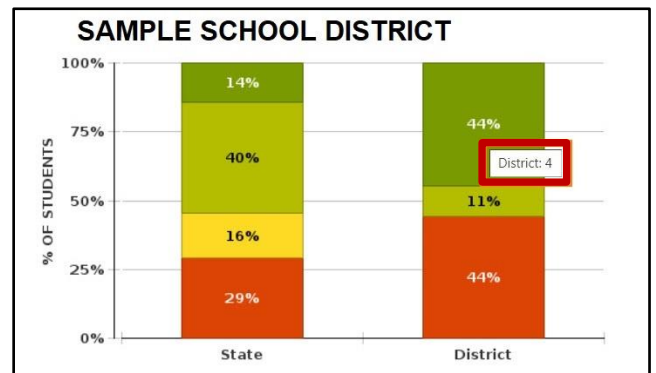
- Change the selections under COMPARE to **Overall Results** and **Parent Organization** and select **Apply** to display a summary of results for a specific test (grade and subject) for your school or district and state.
  - Overall Results is a summary chart by achievement level (Does Not Meet Standards, Partially Meets Standards, Meets Standards and Exceeds Standards) for a specific test (for example, Grade 3 Reading MCA).
  - Grade is no longer available under FILTER as results included are for a specific test (grade and subject).
  - The chart displays student performance by percentage. Hover over the percentages to see student counts.



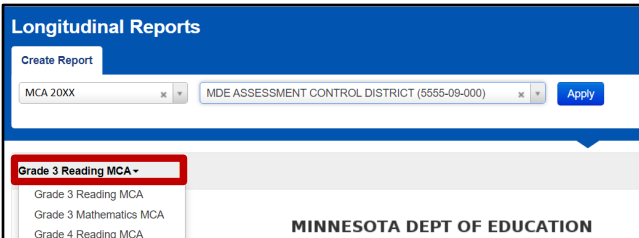
▼ COMPARE Clear

- Parent Organization
- Dashboard View
- Overall Results
- Administrations
- Strand Performance Details

Apply



- To change the test data displayed, select the dropdown next to the current test in the upper left and then select a different test.



Longitudinal Reports

Create Report

MCA 20XX x MDE ASSESSMENT CONTROL DISTRICT (5555-09-000) x Apply

**Grade 3 Reading MCA -**

- Grade 3 Reading MCA
- Grade 3 Mathematics MCA
- Grade 4 Reading MCA

**MINNESOTA DEPT OF EDUCATION**

- Your view, whether at the district or school level, will depend on your organization (based either on your user role organization or the school selected).

**District level view:** At the district-level view, a list of schools in the district will display below the performance level chart. Results for each school include the Average Scale Score and the number of students and percentage at each performance level (Does Not Meet Standards, Partially Meets Standards, Meets Standards, and Exceeds Standards).



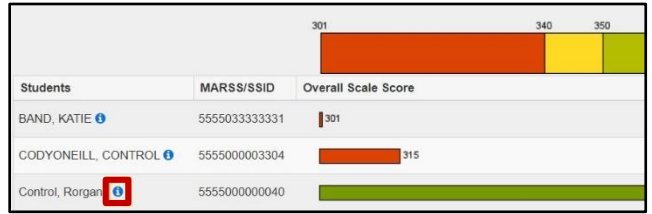
Organization Name	Avg Scale Score	Does Not Meet Standards	Partially Meets Standards	Meets Standards
SAMPLE ELEMENTARY SCHOOL 1 (9999-99-985)	336.4	30%	20%	50%
SAMPLE ELEMENTARY SCHOOL 2 (9999-99-985)	334.1	30%	21%	49%
SAMPLE ELEMENTARY SCHOOL 3 (9999-99-985)	334.1	30%	21%	49%
SAMPLE ELEMENTARY SCHOOL 4 (9999-99-985)	334.1	30%	21%	49%
SAMPLE MIDDLE SCHOOL (9999-99-986)	345.4	20%	20%	60%
SAMPLE MIDDLE SCHOOL 1 (9999-99-986)	354.9	17%	15%	68%
SAMPLE HIGH SCHOOL (9999-99-987)	336.1	20%	17%	63%

- Select a school name to view school level performance data and comparisons.



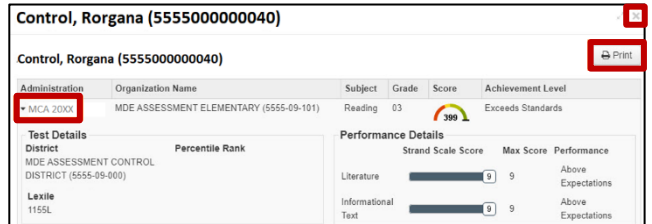
**School level view:** At the school-level view, a list of the students in the school will appear below the performance level chart.

- Select the information icon to the right of the student’s name to view available historical test results for that student.
- **Historical Student Data** opens in a pop-up window; for more information view the [Historical Student Data User Guide](#) (PearsonAccess Next > Reporting Resources > Additional Reporting Resources).
  - Select the arrow to the left of the test administration name (for example, MCA 2024) to view test details for a specific test.
  - Select **Print** to download the student’s complete test history. Print the results using your browser’s print function.
  - Select **Close** when finished.



A performance level chart at the top shows three bars: orange (301), yellow (340), and green (350). Below is a table of students with their names, MARSS/SSID, and Overall Scale Score. Red boxes highlight the information icon next to 'Control, Rorgana' and the score '301'.

Students	MARSS/SSID	Overall Scale Score
BAND, KATIE	5555033333331	301
CODYONEILL, CONTROL	5555000003304	315
Control, Rorgana	5555000000040	301



A pop-up window titled 'Control, Rorgana (5555000000040)'. It shows test administration details and performance results. Red boxes highlight the 'MCA 2024' administration name and the 'Print' button.

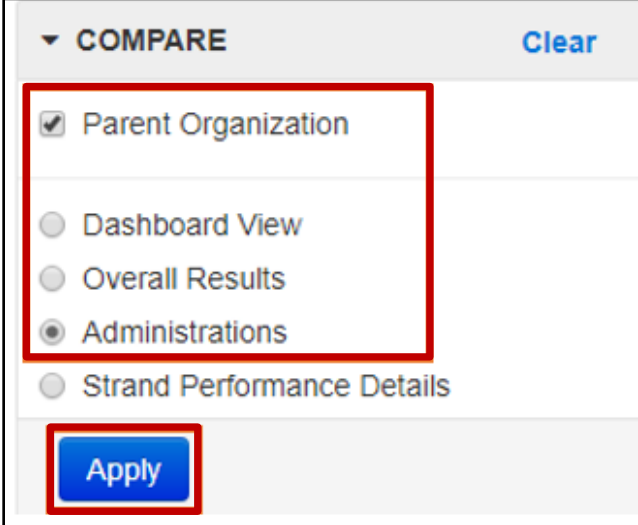
Administration	Organization Name	Subject	Grade	Score	Achievement Level
MCA 2024	MDE ASSESSMENT ELEMENTARY (5555-09-101)	Reading	03	399	Exceeds Standards

Test Details	Percentile Rank	Performance Details		
District		Strand Scale Score	Max Score	Performance
MDE ASSESSMENT CONTROL DISTRICT (5555-09-000)		Literature	9	Above Expectations
Lexile		Informational Text	9	Above Expectations
1155L				

## View Results by Administrations

- To compare results for the selected (or assigned) organization across all administrations.
  - Under COMPARE, deselect the radio button next to Parent Organization and select the radio button to the left of Administrations. Then select **Apply**.

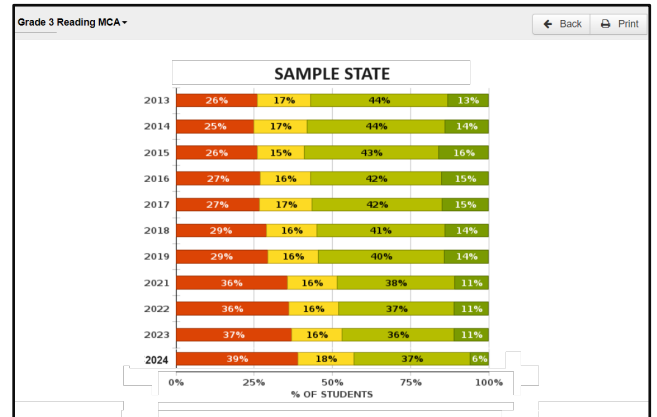


▼ COMPARE Clear

- Parent Organization
- Dashboard View
- Overall Results
- Administrations
- Strand Performance Details

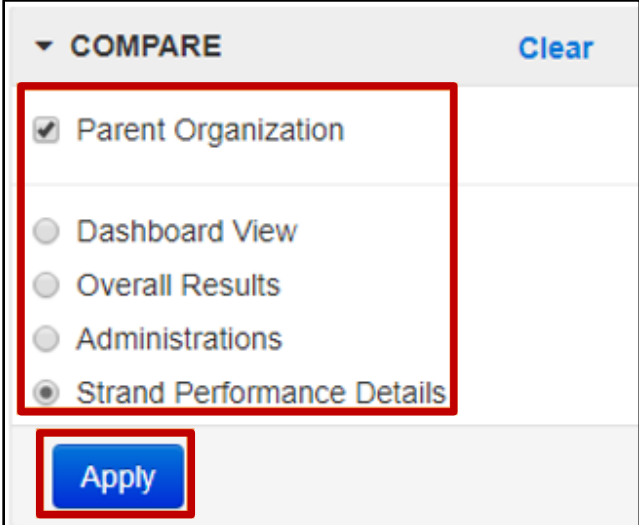
**Apply**

- Results for all available administrations for the test selection will appear for the selected organization.



## View Results by Strand Performance Details

- Starting with the MCA 2016 administration, Strand Performance Details are available as a comparison selection.
  - Under COMPARE, deselect the radio button next to Parent Organization and select the radio button to the left of Strand Performance Details. Then select **Apply**.



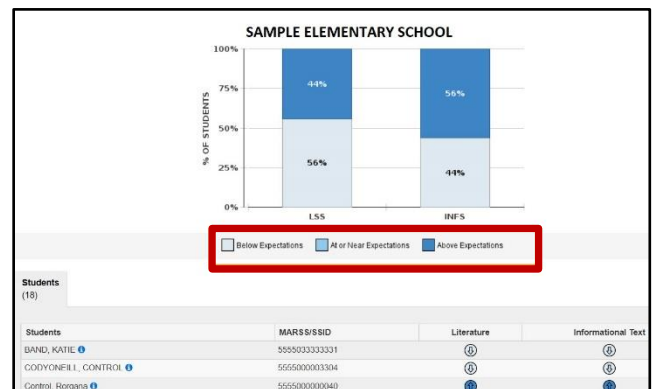
▼ COMPARE Clear

- Parent Organization
- Dashboard View
- Overall Results
- Administrations
- Strand Performance Details

**Apply**

Strand Performance Details include content area strand and/or substrand results and are categorized as: Below Expectations, At or Near Expectations, or Above Expectations.

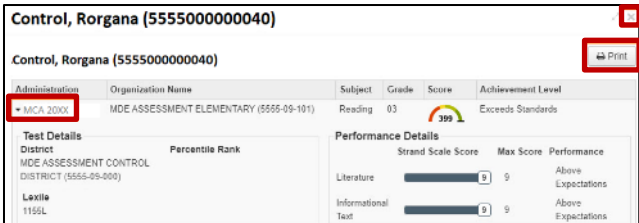
- If viewing at the school level, strand performance details for individual students will display.



- Select the information icon to the right of the student's name to view available historical test results for that student.

Students	MARSS/SSID
BAND, KATIE <span>ⓘ</span>	5555033333331
CODYONEILL, CONTROL <span>ⓘ</span>	5555000003304
Control, Rorgan <span>ⓘ</span>	5555000000040

- Historical Student Data** opens in a pop-up window; for more information view the [Historical Student Data User Guide](#) (PearsonAccess Next > Reporting Resources> Additional Reporting Resources).
  - Select the arrow to the left of the test administration name (for example, MCA 2024) to view test details for a specific test.
  - Select **Print** to download the student's complete test history. Print the results using your browser's print function.
  - Select **Close** when finished.



**Control, Rorgan (5555000000040)** Print

Administration	Organization Name	Subject	Grade	Score	Achievement Level
MCA 2024	MDE ASSESSMENT ELEMENTARY (5555-09-101)	Reading	03	299	Exceeds Standards

Test Details	Percentile Rank	Strand Scale Score	Max Score	Performance
District: MDE ASSESSMENT CONTROL DISTRICT (5555-09-000)				
Lexile: 1155L				
Literature		9	9	Above Expectations
Informational Text		9	9	Above Expectations

## Filter Results for Reports

In addition to the Grade filter described earlier, there are other filters that can be applied:

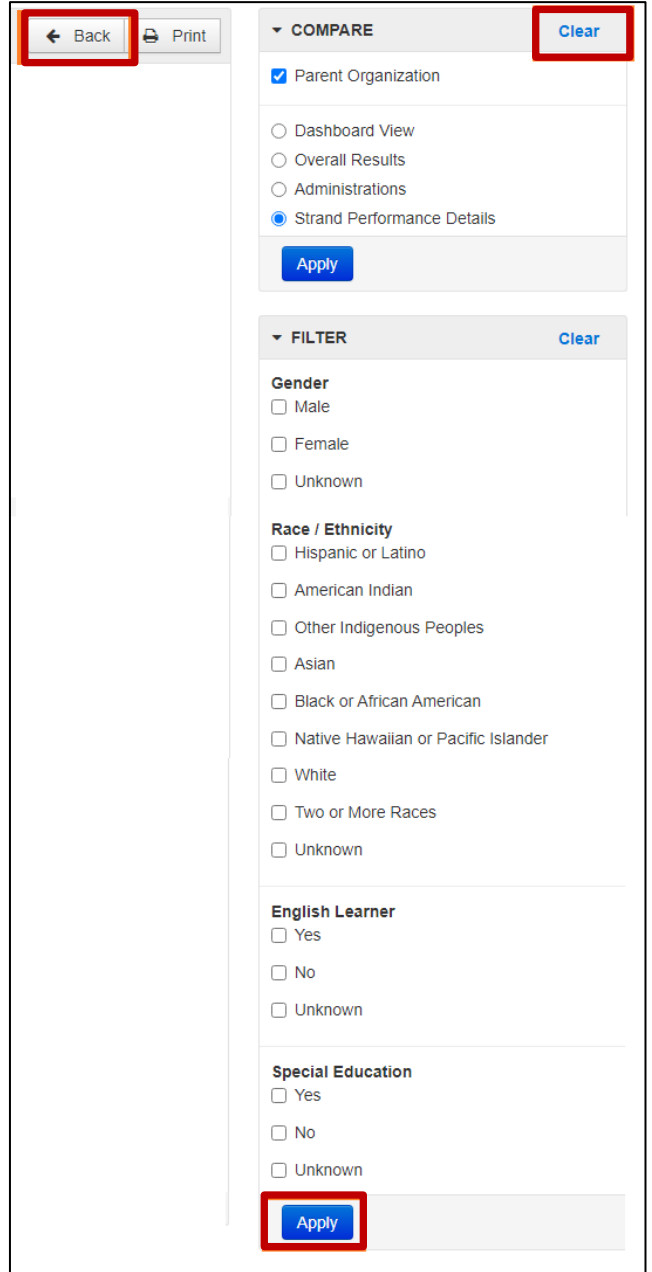
Gender, Race / Ethnicity, English Learner, and Special Education.

Filters can be used alone or in combination along with the COMPARE selections.

1. As needed, select the down arrow at the top of the FILTER box to open the filter options.
2. Select the checkbox(es) for the filter(s) desired, and then select **Apply**.
3. Results will appear based on the selected filter(s). To clear current FILTER selections, select **Clear** in the FILTER box, and start selection process again if different filtered results are desired. Select **Back** to review previously selected filtered views.

Beginning in 2023, these reports use state-defined race/ethnicity, including the state definition of American Indian students and the additional “Other Indigenous Peoples” group.

Note: Assessment data in PearsonAccess Next for 2014–2022 uses federal definitions. No race/ethnicity data is available prior to 2014.



The screenshot displays the PearsonAccess Next interface for filtering report results. It features two main sections: COMPARE and FILTER. The COMPARE section is at the top right, with a 'Clear' button highlighted in red. Below it is the FILTER section, which includes checkboxes for Gender, Race / Ethnicity, English Learner, and Special Education. An 'Apply' button at the bottom of the FILTER section is also highlighted in red. In the top left of the interface, a 'Back' button is highlighted in red. The interface also includes a 'Print' button and a 'Parent Organization' checkbox.

## Download and Print Reports

Results generated through selections can be downloaded and printed at any time on the main Longitudinal Reports screen or on the specific student results screen.

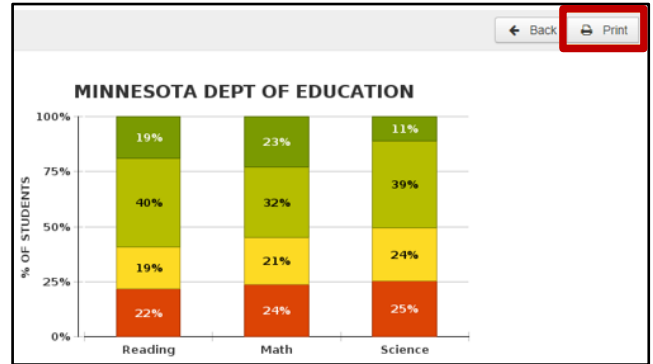
1. For a PDF report of selected results on the Longitudinal Reports screen, select **Print**.

Note: Longitudinal reports are currently available for only the following test administrations:

- MCA 2011–2019; 2021–2024
- MTAS 2011–2019; 2021–2024

2. For a PDF report of an individual student results, select the Information icon to the right of the student name.

3. Select **Print** to download the student's complete test history. Print using your browser's print function.



Students	MARSS/SSID
BAND, KATIE ⓘ	5555033333331
CODYONEILL, CONTROL ⓘ	5555000003304
Control, Rorgana ⓘ	5555000000040

**Control, Rorgana (5555000000040)** ⓘ

Control, Rorgana (5555000000040) ⓘ **Print**

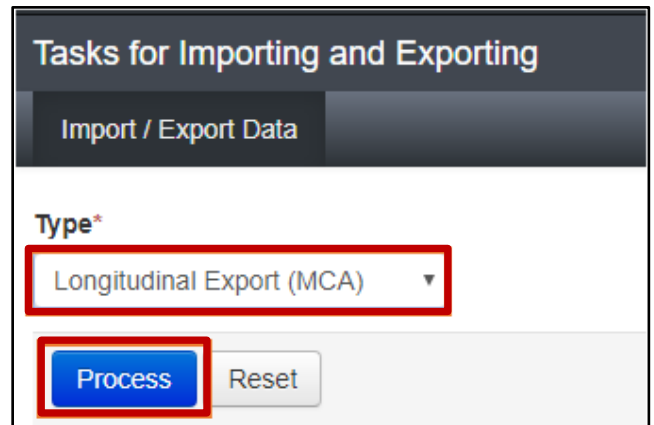
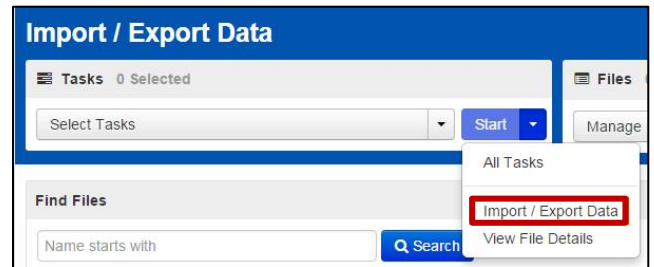
Administration	Organization Name	Subject	Grade	Score	Achievement Level
MCA 20XX	MDE ASSESSMENT ELEMENTARY (5555-09-101)	Reading	03	399	Exceeds Standards

Test Details		Performance Details			
District	Percentile Rank	Strand	Scale Score	Max Score	Performance
MDE ASSESSMENT CONTROL DISTRICT (5555-09-000)		Literature	9	9	Above Expectations
Lexile		Informational Text	9	9	Above Expectations

## Longitudinal Export

The Longitudinal Export is available to download a spreadsheet of historical test results for all years available for all students currently active in the district.

1. From the Home page, under **Setup**, select **Import / Export Data**.
2. Select the dropdown menu right of the **Start** button and select **Import / Export Data**.
3. From the Type dropdown menu, select the appropriate **Longitudinal Export** (MCA or MTAS) and select **Process**.
4. After you select the Process button, you will be directed to the View File Details page where you can see file information updates. You will receive a Status Notification email when the file has completed processing.
5. When file is complete, select **Download File**. The file will download to your computer as a .csv file.





## Longitudinal Export File Layout

CSV File Column	Field Name	CSV Column Heading	Field Notes / Sample Data
A	Admin	ADMIN	Example: mnmca24
B	Test Name	TEST_NAME	Example: Grade 03 Mathematics MCA
C	Subject	SUBJECT	Example: Math
D	Test Date	TEST_DATE	Example: 20240304
E	First Name	FIRST_NAME	Example: Sample
F	Last Name	LAST_NAME	Example: Student
G	MARSS ID	MARSS_NUMBER	Example: 1234567890123
H	Local Use ID	STUDENT_ID	Example: 12345, abcde, <blank>
I	Date of Birth	DATE_OF_BIRTH	Example: 20130101
J	Gender	GENDER	Example: M
K	Race Ethnicity	RACE_ETHNICITY	Example: H H = Hispanic or Latino I = American Indian (admins 2023 and forward use state definition of American Indian) O = Other Indigenous (admins 2023 and forward) A = Asian B = Black or African American P = Native Hawaiian or Pacific Islander W = White M = Two or More Races NA = Not Available (admins prior to 2014) <blank> = Unknown
L	Grade	GRADE_CODE	Example: 3
M	District Code	DIST_CODE	Example: 1234-12-000
N	District Org Type	DISTRICT_ORG_TYPE	Example: 1
O	School Code	SCHOOL_CODE	Example: 1234-12-001
P	Opportunity	OPPORTUNITY	No longer applicable
Q	Test Code	TEST_CODE	Examples: Valid Score, Absent, Medical Excuse, No Participation due to extenuating circumstances, Not Completed due to extenuating circumstances.
R	Scale Score	SCALE_SCORE	Will be left blank when test does not have a Valid Score. Example: 0, 350, <blank>



CSV File Column	Field Name	CSV Column Heading	Field Notes / Sample Data
S	Total Points Earned	TOTAL_POINTS_EARNED	Only applies to MTAS. Will be left blank when test does not have a Valid Score. Example: 23, <blank>
T	Total Points Possible	TOTAL_POINTS_POSSIBLE	Only applies to MTAS. Will be left blank when test does not have a Valid Score. Example: 27, <blank>
U	SEM	SEM	No longer applicable
V	Achievement Level	ACHIEVEMENT_LEVEL	Will be left blank when test does not have a Valid Score. Also called 'Performance Level'. Example: Does Not Meet, Partially Meets, Meets, Exceeds, <blank>.
W	Strand 1 Name	STRAND_NAME_1	Will be left blank when test does not have a Valid Score. Example: Algebra, <blank>.
X	Strand 1 Score	STRAND_SCORE_1	Only applies to MCA. Will be left blank when test does not have a Valid Score. Example: 9, <blank>.
Y	Strand 1 Points Possible	POINTS_POSSIBLE_1	Only applies to MTAS. Will be left blank when test does not have a Valid Score. Example: 16, <blank>.
Z	Strand 1 Points Earned	POINTS_EARNED_1	Only applies to MTAS. Will be left blank when test does not have a Valid Score. Example: 16, <blank>.
AA	Strand 1 Performance Details	STRAND_PERF_DETAILS_1	Only applies to MCA tests taken in 2016 and after. Will be left blank when test is prior to 2016 or when test does not have a Valid Score. Example: Below Expectations, <blank>.
AB	Strand 2 Name	STRAND_NAME_2	Will be left blank when test does not have a Valid Score. Example: Algebra, <blank>.
AC	Strand 2 Score	STRAND_SCORE_2	Only applies to MCA. Will be left blank when test does not have a Valid Score. Example: 9, <blank>.
AD	Strand 2 Points Possible	POINTS_POSSIBLE_2	Only applies to MTAS. Will be left blank when test does not have a Valid Score. Example: 16, <blank>.
AE	Strand 2 Points Earned	POINTS_EARNED_2	Only applies to MTAS. Will be left blank when test does not have a Valid Score. Example: 16, <blank>.
AF	Strand 2 Performance Details	STRAND_PERF_DETAILS_2	Only applies to MCA tests taken in 2016 and after. Will be left blank when test is prior to 2016 or when test does not have a Valid Score. Example: Below Expectations, <blank>.





CSV File Column	Field Name	CSV Column Heading	Field Notes / Sample Data
AG	Strand 3 Name	STRAND_NAME_3	Will be left blank when test does not have a Valid Score. Example: Algebra, <blank>.
AH	Strand 3 Score	STRAND_SCORE_3	Only applies to MCA. Will be left blank when test does not have a Valid Score. Example: 9, <blank>.
AI	Strand 3 Points Possible	POINTS_POSSIBLE_3	Only applies to MTAS. Will be left blank when test does not have a Valid Score. Example: 16, <blank>.
AJ	Strand 3 Points Earned	POINTS_EARNED_3	Only applies to MTAS. Will be left blank when test does not have a Valid Score. Example: 16, <blank>.
AK	Strand 3 Performance Details	STRAND_PERF_DETAILS_3	Only applies to MCA tests taken in 2016 and after. Will be left blank when test is prior to 2016 or when test does not have a Valid Score. Example: Below Expectations, <blank>.
AL	Strand 4 Name	STRAND_NAME_4	Will be left blank when test does not have a Valid Score. Example: Algebra, <blank>.
AM	Strand 4 Score	STRAND_SCORE_4	Only applies to MCA. Will be left blank when test does not have a Valid Score. Example: 9, <blank>.
AN	Strand 4 Points Possible	POINTS_POSSIBLE_4	Only applies to MTAS. Will be left blank when test does not have a Valid Score. Example: 16, <blank>.
AO	Strand 4 Points Earned	POINTS_EARNED_4	Only applies to MTAS. Will be left blank when test does not have a Valid Score. Example: 16, <blank>.
AP	Strand 4 Performance Details	STRAND_PERF_DETAILS_4	Only applies to MCA tests taken in 2016 and after. Will be left blank when test is prior to 2016 or when test does not have a Valid Score. Example: Below Expectations, <blank>.
AQ	Strand 5 Name	STRAND_NAME_5	Only applies to High School Science in MCA. Will be left blank when test does not have a Valid Score. Example: Life Science, <blank>.
AR	Strand 5 Score	STRAND_SCORE_5	Only applies to High School Science in MCA. Will be left blank when test does not have a Valid Score. Example: 9, <blank>.
AS	Strand 5 Performance Details	STRAND_PERF_DETAILS_5	Only applies to MCA tests taken in 2016 and after. Will be left blank when test is prior to 2016 or when test does not have a Valid Score. Example: Below Expectations, <blank>.
AT	Strand 6 Name	STRAND_NAME_6	Only applies to High School Science in MCA. Will be left blank when test does not have a Valid Score. Example: Life Science, <blank>.



CSV File Column	Field Name	CSV Column Heading	Field Notes / Sample Data
AU	Strand 6 Score	STRAND_SCORE_6	Only applies to High School Science in MCA. Will be left blank when test does not have a Valid Score. Example: 9, <blank>.
AV	Strand 6 Performance Details	STRAND_PERF_DET ILS_6	Only applies to MCA tests taken in 2016 and after. Will be left blank when test is prior to 2016 or when test does not have a Valid Score. Example: Below Expectations, <blank>.
AW	Strand 7 Name	STRAND_NAME_7	Only applies to High School Science in MCA. Will be left blank when test does not have a Valid Score. Example: Life Science, <blank>.
AX	Strand 7 Score	STRAND_SCORE_7	Only applies to High School Science in MCA. Will be left blank when test does not have a Valid Score. Example: 9, <blank>.
AY	Strand 7 Performance Details	STRAND_PERF_DET ILS_7	Only applies to MCA tests taken in 2016 and after. Will be left blank when test is prior to 2016 or when test does not have a Valid Score. Example: Below Expectations, <blank>.
AZ	Strand 8 Name	STRAND_NAME_8	Only applies to High School Science in MCA. Will be left blank when test does not have a Valid Score. Example: Life Science, <blank>.
BA	Strand 8 Score	STRAND_SCORE_8	Only applies to High School Science in MCA. Will be left blank when test does not have a Valid Score. Example: 9, <blank>.
BB	Strand 8 Performance Details	STRAND_PERF_DET ILS_8	Only applies to MCA tests taken in 2016 and after. Will be left blank when test is prior to 2016 or when test does not have a Valid Score. Example: Below Expectations, <blank>.
BC	Strand 9 Name	STRAND_NAME_9	Only applies to High School Science in MCA. Will be left blank when test does not have a Valid Score. Example: Life Science, <blank>.
BD	Strand 9 Score	STRAND_SCORE_9	Only applies to High School Science in MCA. Will be left blank when test does not have a Valid Score. Example: 9, <blank>.
BE	Strand 9 Performance Details	STRAND_PERF_DET ILS_9	Only applies to MCA tests taken in 2016 and after. Will be left blank when test is prior to 2016 or when test does not have a Valid Score. Example: Below Expectations, <blank>.

## MCA Strands and Substrands

The tables below include the strand/substrand information available in Longitudinal Reports for MCA.

Reading		
All Grades	RS1	RS2
	Strand 1	Strand 2
	Literature	Informational Text

Math				
Grades 3-5	RS1	RS2	RS3	RS4
	Strand 1	Strand 2	Strand 3	Strand 4
Grades 6-8	Number and Operation	Algebra	Geometry and Measurement	Data Analysis
	RS1	RS2	RS3	RS4
Grades 6-8	Strand 1	Strand 2	Strand 3	Strand 4
	Number and Operation	Algebra	Geometry and Measurement	Data Analysis Probability
Grade 11	RS1	RS2	RS3	RS4
	Strand 1	Strand 2	Strand 3	Strand 4
	N/A	Algebra	Geometry and Measurement	Data Analysis Probability

Science									
Grades 5 & 8	RS1	RS2	RS3	RS4					
	Strand 1	Strand 2	Strand 3	Strand 4					
	Nature of Science and Engineering	Physical Science	Earth and Space Science	Life Science					
HS	RS1	RS2	RS3	RS4	SC5	SC6	SC7	SC8	SC9
	Strand 1	Substrand 1.1	Substrand 1.2	Substrand 1.3	Strand 4	Substrand 4.1	Substrand 4.2	Substrand 4.3	Substrand 4.4
	Nature of Science and Engineering	Practice of Science	Practice of Engineering	Interactions among STEM and Society	Life Science	Structure and Functions in Living Systems	Interdependence among Living Systems	Evolution in Living Systems	Human Interaction with Living Systems

## MTAS Extended Standards

The tables below include the extended standard information available in Longitudinal Reports for MTAS.

Reading				
All Grades	ES1	ES2	ES3	ES4
	Extended Standard 1	Extended Standard 2	Extended Standard 3	Extended Standard 4

Math				
Grades 3-5	ES1	ES2	ES3	ES4
	Extended Standard 1	Extended Standard 2	Extended Standard 3	Extended Standard 4
	Number and Operation	Algebra	Geometry and Measurement	Data Analysis
Grades 6-8	ES1	ES2	ES3	ES4
	Extended Standard 1	Extended Standard 2	Extended Standard 3	Extended Standard 4
	Number and Operation	Algebra	Geometry and Measurement	Data Analysis and Probability
Grade 11	ES1	ES2	ES3	ES4
	Extended Standard 1	Extended Standard 2	Extended Standard 3	Extended Standard 4
	N/A	Algebra	Geometry and Measurement	Data Analysis and Probability

Science				
Grades 5 & 8	ES1	ES2	ES3	ES4
	Extended Standard 1	Extended Standard 2	Extended Standard 3	Extended Standard 4
	Nature of Science and Engineering	Physical Science	Earth and Space Science	Life Science
HS	ES1	ES2	ES3	ES4
	Extended Standard 1	Extended Standard 2	Extended Standard 3	Extended Standard 4
	Nature of Science and Engineering	N/A	N/A	Life Science