

Appendix B.3 Grade 8 Testing Interruptive Guide



Spring 2019

**Michigan Grade 8 Testing
Interpretive Guide to
Reports**

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Section 1: Introduction



Purpose

In the spring of 2019, Michigan students took the PSAT™ 8/9 for grade 8, provided by the College Board, and the Michigan Student Test of Educational Progress (M-STEP™).

PSAT 8/9 assessments measure student knowledge of state academic standards in Evidence-Based Reading and Writing and Math. These assessments also help prepare students for the SAT® with Essay college entrance exam given each year to high school juniors. Students who are proficient or advanced in Evidence-Based Reading and Writing and/or Math have also met the College Board benchmark for those subjects. Students who meet the grade-level benchmark are on track for college readiness after high school graduation.

M-STEP assessments measure what students know and are able to do in relation to Michigan’s academic standards in social studies. The Michigan Department of Education (MDE) is developing a new M-STEP science test and concluded the second year of a two-year science field test this past spring. A field test is meant to verify that the questions on the test measure what they are intended to measure.

The purpose of the grade 8 PSAT 8/9 and M-STEP testing is to measure Michigan students’ achievement on the Michigan Academic Standards. Aggregated results provide data local schools and districts can use to analyze curricular alignment to Michigan’s Academic Standards, to inform educational program evaluation, and to inform curricular and school improvement decisions at the school and/or district level. Assessment data also provides student academic progress information from year to year, to show school and district academic progress.

Individual student data provides a snapshot of what a student knows and is able to do based on Michigan’s Academic Standards. Student-level summative assessment data should be used in combination with local formative, benchmark, and summative assessment data to develop a complete picture of what the student knows and is able to do.

Grade 8 assessments, including PSAT 8/9 for English language arts (ELA) and mathematics and M-STEP for social studies, are the assessments the MDE uses for meeting state and federal accountability requirements. All students are required to participate in grade 8 assessments; eligible students with disabilities take the MI-Access assessment. For information about MI-Access assessments, see the [MI-Access web page](http://www.michigan.gov/mi-access) (www.michigan.gov/mi-access).

What’s In This Guide?

This guide is intended to help educators understand and use the results from the Spring 2019 grade 8 assessments. Reports available include student-level and aggregate-level data reports.

The reports available for grade 8 assessments include reports containing PSAT 8/9 data only, PSAT 8/9 and M-STEP data, and M-STEP data only.

The reports including PSAT 8/9 data only are the PSAT Individual Student Reports, Student Growth and Proficiency and the Demographic Report. Each of these reports contain Evidence-Based Reading and Writing and Math results.

Reports that include both PSAT 8/9 and M-STEP data are the Parent Report, Student Record Labels, and Student Overview Report.

Reports that include M-STEP data only are the M-STEP Individual Student Report, Expectation Analysis, Student Roster, and Demographic Reports for social studies.

The Science Summary Report and Science Field Test Individual Student Reports are also M-STEP-only reports; these reports contain field test data and are not intended to provide proficiency information.

Student-level reports provide performance data for individual students. The Student Record Labels, Individual Student Report, Parent Report, Student Roster, Student Growth and Proficiency, and Student Overview reports all provide data at the individual student level.

The Science Field Test Individual Student Report provides raw score percentage of points earned (out of the total points available) for individual students.

Aggregate-level reports provide performance data based on groups of students, grouped by grade, school, district, and state. The aggregate-level reports are the Comprehensive Report, Demographic Report, and Expectation Analysis Report.

For 2019, the Science Field Test District Summary Report is an aggregated report available only at the district and state levels.

This guide also includes the following sections.

- **Section 2** provides information on assessment item types and how scores are reported
- **Section 3** describes performance level categories and ranges
- **Section 4** explains the appropriate uses and limitations of the data
- **Section 5** explains how to access reports
- **Section 6** provides detailed descriptions of each report
- **Section 7** includes other resources, both for additional information regarding sources of assessment results and general information on statewide assessments; users are encouraged to review these additional resources for further information on statewide assessment reporting
- **Section 8** includes a glossary of data and reporting terms
- **Section 9** includes contact information for MDE staff involved in reporting of data

Family Educational Rights and Privacy Act (FERPA)

Reports that provide student-level data include federally protected student data. Some aggregate reports may contain score data representing small numbers of students. The MDE no longer suppresses aggregate data for fewer than ten students. Data representing small numbers of students should also be considered federally protected student data. It is imperative that report users understand the sensitive and confidential nature of the data presented on Grade 8 reports and comply with all [Family Educational Rights and Privacy Act](https://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html) (https://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html) regulations.

Invalid Tests

Students who attempted to test in Spring 2019 but who did not receive a valid test score are reported on the student level reports only. While the student's test score is not reported, the reason for the invalid test is provided. Invalid tests impact school accountability reporting by lowering participation rates, and they count as not proficient and/or not having met adequate growth when school or subgroup participation rates for a content area assessment are less than 95%. Students who do not receive a valid score are not included on aggregated reports.

M-STEP tests may be flagged as invalid for the following reasons:

- Student Prohibited Behavior
- Tested in incorrect grade (Out of Level)
- Did not meet "attemptedness" criteria
 - the student did not answer enough questions to calculate an overall scale score
- Non-standard accommodation administered
- Other misadministrations
 - student not given correct test

- student not provided appropriate designated support or accommodation
- paper/pencil test materials not returned according to schedule

PSAT 8/9 tests may be flagged as invalid for the following reasons:

- Mathematics only, exemption for first year EL student

- Not tested in enrolled grade
- Student test invalid - the invalid reasons can have several different codes.

(see each assessment’s Test Administration Manual for more information)

MDE Report Descriptions

Report	Assessment	Description	Aggregation	Distribution
Student Record Labels	<ul style="list-style-type: none"> • PSAT 8/9 • M-STEP 	Summarizes individual student achievement in each content area for inclusion in the student’s Cumulative Student Record folder	<ul style="list-style-type: none"> • Individual Student 	<ul style="list-style-type: none"> • Secure Site • Mailed to School
Individual Student Report (ISR)	<ul style="list-style-type: none"> • PSAT 8/9 • M-STEP 	Separated by content area, provides detailed information on individual student achievement, including overall scale score, performance level, growth score, growth target, target timeframe, and summarized discipline data	<ul style="list-style-type: none"> • Individual Student 	<ul style="list-style-type: none"> • Dynamic Score Reporting Site
Science Field Test Individual Student Report*	<ul style="list-style-type: none"> • M-STEP 	Provides raw score data including the percentage of points earned overall	<ul style="list-style-type: none"> • Individual Student 	<ul style="list-style-type: none"> • Dynamic Score Reporting Site
Parent Report	<ul style="list-style-type: none"> • PSAT 8/9 • M-STEP 	Summarizes individual student achievement in each content area, including overall scale score, performance level, and summarized discipline data	<ul style="list-style-type: none"> • Individual Student 	<ul style="list-style-type: none"> • MiLearn - Educator, Parent, Student • Secure Site • Dynamic Score Reporting Site • Mailed to School
Student Overview	<ul style="list-style-type: none"> • PSAT 8/9 • M-STEP 	Summarizes student achievement for all content areas, including scale score, performance level information, growth score, growth target, and target timeframe	<ul style="list-style-type: none"> • Individual Student 	<ul style="list-style-type: none"> • MiLearn - Educator • Dynamic Score Reporting Site

Continued on next page

Report	Assessment	Description	Aggregation	Distribution
Student Roster	<ul style="list-style-type: none"> • M-STEP 	Provides detailed information on student achievement for groups of students, including overall scale score, performance level, growth score, growth target, target timeframe, and summarized discipline data; summary proficiency information is also included for rostered students, school, district, and state aggregate groups	<ul style="list-style-type: none"> • Individual Student • Rostered Students • School • District • State 	<ul style="list-style-type: none"> • MiLearn - Educator • Dynamic Score Reporting Site
Student Growth and Proficiency Report*	<ul style="list-style-type: none"> • PSAT 8/9 • M-STEP 	Provides detailed information about student achievement and student growth data; includes overall scale score, performance level, growth score, growth target, and target timeframe; student scale score is shown plotted against growth data	<ul style="list-style-type: none"> • Individual Student 	<ul style="list-style-type: none"> • Dynamic Score Reporting Site
Expectation Analysis Report	<ul style="list-style-type: none"> • M-STEP 	Provides the percentage of points earned by grade and content area expectation in each discipline and the number of students scoring in each of four score ranges: 0-25%, 26-50%, 51-75%, and 76-100%—this report is available for social studies only and is intended to provide an overview of performance by content expectation	<ul style="list-style-type: none"> • School • District • State 	<ul style="list-style-type: none"> • Dynamic Score Reporting Site
Demographic Report	<ul style="list-style-type: none"> • PSAT 8/9 • M-STEP 	Provides a comparison of students by grade and content, aggregated across selected demographic groups, showing mean scale scores and percentages of students in each performance level	<ul style="list-style-type: none"> • School • District • State 	<ul style="list-style-type: none"> • Dynamic Score Reporting Site
Comprehensive Report	<ul style="list-style-type: none"> • M-STEP 	Provides a comparison of students by grade and content by schools within a district—mean scale scores and percentages of students in each performance level are reported	<ul style="list-style-type: none"> • District 	<ul style="list-style-type: none"> • Dynamic Score Reporting Site
Science Field Test Summary Report*	<ul style="list-style-type: none"> • M-STEP 	Provides the mean percent of points earned and aggregate group quartile ranges in box-and-whiskers plots for overall performance and by domain	<ul style="list-style-type: none"> • School • District • State 	<ul style="list-style-type: none"> • Dynamic Score Reporting Site
Student Data File	<ul style="list-style-type: none"> • PSAT 8/9 • M-STEP 	Data file that includes all individual level student data, including scale score, performance level, student demographic information, and valid/invalid reasons	<ul style="list-style-type: none"> • Individual Student 	<ul style="list-style-type: none"> • Secure Site
Aggregate Data File	<ul style="list-style-type: none"> • PSAT 8/9 • M-STEP 	Data file that includes aggregated student performance information, including average scale score, count and percent of students in each performance level, and demographic subgroups	<ul style="list-style-type: none"> • School • District • State 	<ul style="list-style-type: none"> • Secure Site

* This report will be available later this fall.

College Board-Produced Report Descriptions - Available through the K-12 Educator Portal

Report	Description	Aggregation	Distribution
Individual Score Report – Students	A student score report that includes percentiles, color coding showing how the student performs compared to college readiness benchmarks, score projections, and demographic information; students can access their online report (https://studentscores.collegeboard.org/home)	• Individual Student	• Online
Individual Score Report – Educators	A student score report that includes percentiles, color coding showing how the student performs compared to college readiness benchmarks, score projections, and demographic information; a printable report available for educators to access in the K-12 reporting portal (https://k12reports.collegeboard.org/login)	• Individual Student	• Paper
Roster Report	Lists students with aggregate performance data and scores (select a student’s name to view an individual student report)	• Individual Student	• Online
Score and Benchmarks	Provides aggregate and student-level performance; use it to see how well students performed by comparing their scores to mean scores, benchmark data, and other statistics at the school, district and state levels; establish baselines for school improvement goals; and identify which students did not meet benchmarks	• Individual Student	• Online
Instructional Planning	View students by performance group in specific subscores, section, and test scores; see which skills your students are strongest, and which need the most improvement	• Individual Student	• Online



Section 2: Scoring

Scoring by Item Type for M-STEP

All of the processes employed to assess overall student performance begin at the item level. There are two types of items on the M-STEP: Multiple Choice (MC) items and Technology Enhanced (TE) items. Item scores are used in the statistical models and transformations that result in scale scores.

Multiple Choice Item Scores

In Spring 2019, the PSAT 8/9 and M-STEP science and social studies content area assessments included multiple choice items. When responding to multiple choice items, students select from the available options, only one of which is a correct response to the item. Students who select only the correct option receive a score of one (1) on the MC item. Students who select one of the incorrect options, multiple options, or do not respond receive a score of zero (0). The string of responses from the MC items (e.g. 1,0,0,0,1,...,1) serves as input for the statistical models used to derive scale scores. MC items are scanned and scored by computer.

Technology Enhanced Item Scores

Technology Enhanced (TE) items are computer-delivered test questions that include specialized interactions; these items allow students to respond to tasks that go beyond what can be covered in traditional MC items. TE items require students to produce information, as opposed to simply selecting a choice from answer options. The scoring for most TE items is automated (similar to MC items), eliminating the need for human scorers in the majority of cases. TE item types include the following:

Drag and Drop—students can drag pictures or words into boxes or “drop zones” to indicate an answer

Choice Interaction—similar to a multiple-choice items, but the item can have more than four options, and any number of the options can be correct or incorrect

Hotspot (Count or Selection)—graphics are selectable; for Count, students can choose a particular number of hotspots to show their answer; for Selection, students select a specific hotspot to show their answer

Matching Interaction—an interaction grid that allows the students to select areas of matching between an option in the row with an option in the column

Inline Text Entry—students type the answer in an empty field

Evidence Based Selected Response—an item consisting of two parts, with each part being multiple choice or a hot text paragraph with answers embedded in the paragraph

Hot Text Highlight (Line and Paragraph)—text is selectable, and once selected, will be highlighted for the students; for Line, the students can select one or more lines of text to answer the question; Hot Text Paragraph answers are embedded within a paragraph(s)—students select word(s), phrase(s), sentence(s), and/or paragraph(s) according to the instructions in the stem or question

Order—a list of items or sentences that can be arranged by the students in the correct order

Differences between M-STEP Online and Paper/Pencil Items

The MC and CR items appear the same in both the online testing environment and in the paper/pencil print forms. Due to the computer interactions involved in the TE items, the paper/pencil print forms feature variations of the TE items, called companion items, that test the same concepts and skills as the corresponding TE items. The variations are modified for use in a print form.

The print variations of the TE items are created in various ways. Some TE items are converted to multiple-select items (similar to Choice Interaction but with more than four options and possibly more than one correct answer) or table interactions (where the student fills in portions of a table to complete the question). In all cases, the companion items maintain the same point values as their TE counterparts.

PSAT 8/9 Scoring

The PSAT 8/9 is a paper/pencil assessment that includes multiple choice items and student-response questions. The Evidenced-Based Reading and Writing section includes a Reading Test and a Writing and Language Test. Each test is composed of multi-paragraph passages and multiple-choice questions. Math includes multiple-choice and student-produced response questions. Divided into two portions: one that permits calculator use, and one that does not.

How Scores Are Reported

Scale Scores

Students receive an overall scale score in social studies for valid tests. (The M-STEP science assessment was a statewide field test in 2019; therefore, although student responses may be considered valid, there is not a scale score in science.) Scale scores are the basic unit of

reporting. A scaled score is calculated from a total number of points the student scores on the item, statistically adjusted and converted into a consistent, standardized scale that permits direct and fair comparisons of scores from different forms of a test, either within the same administration year or across years. Established psychometric procedures are used to ensure that a given scale score represents the same level of performance regardless of the test form. Scale scores are especially suitable for comparing the performance of different groups of students in the same grade from year to year and for maintaining the same performance standard across the years. While scale scores are comparable across tests in a given content area within the same grade, they are not comparable across content areas or grades. Each overall scale score is indicated by a single number. An error band is noted for each scale score. The error band indicates the range of scores that the student would be likely to achieve if he or she were to take the test multiple times.

PSAT 8/9

Students receive a total score that is the sum of their scores on two sections (Evidence-Based Reading and Writing and Math). To calculate section scores, the College Board computes the student's raw score—the number of questions correctly answered—for each section. Nothing is deducted for incorrect answers or for unanswered questions.

Each of the raw score sections is then converted to a scale score of 120 to 720. This conversion process adjusts for slight differences in difficulty among versions of the test and provides a score that is consistent across different versions. The scaled scores are the scores provided on score reports.

Student Growth Data

Student Growth Scores (SGPs, previously called Student Growth Percentiles), Growth Target Scores (AGP, previously called Adequate Growth Percentiles), and Growth Target Timeframe will appear on the

Individual Student Report, Student Growth and Proficiency Report, Student Overview Report, and in the student data files accessed through the Secure Site for PSAT 8/9 and M-STEP; and on the Student Roster for M-STEP.

Growth data are relative to students in Michigan who had comparable achievement scores on prior state-level tests. This means only those students who received valid scores on the most recent state assessment in a content area and have a valid score on this year's test will receive SGPs.

Growth scores describe a student's learning over time compared to other students who took the same test and had similar prior test scores. Growth Scores are percentiles that range from one to 99, with 50 being the average, and indicate how many scores in the comparison group are below that score. For example, a Growth Score of 60 means the student had higher growth than 60 percent of comparable students.

Growth Target Scores also range from one to 99 and represent the amount growth above or below average a student needs to maintain year-over-year to reach or maintain proficiency by the end of the set number of years. For example, consider a Growth Target Score of 80. This means the student must maintain considerably above average growth year-over-year to reach or maintain proficiency by the end of the set number of years.

Growth Target Timeframes range from one to three years and are the number of years expected for a student to reach or maintain proficiency. Growth Target Timeframes are set based on how long it has historically taken similar students to reach or maintain proficiency.

Growth data add important context for understanding the growth of individual students and growth patterns within groupings of students. When combined with achievement scores and proficiency categories, growth data can help educators understand how students' achievement scores compare to their peers in the state who had comparable prior test scores. Growth data will be added to reports after the initial release of reports, due to the additional time required to calculate them. Visit

the MDE Accountability website for more information on [Student Growth Resources](http://www.michigan.gov/mde/0,4615,7-140-22709_59490-298094-,00.html) (www.michigan.gov/mde/0,4615,7-140-22709_59490-298094-,00.html).

M-STEP Performance Levels

M-STEP scale scores within each subject area can be described in ranges. The labels applied to these ranges are known as Performance Levels. The M-STEP performance levels are Not Proficient, Partially Proficient, Proficient, and Advanced. The divisions between the levels are often referred to as cut scores. Scale score and performance level range tables are located on the following pages.

The cut scores are recommended by a panel comprised of educators and other stakeholders throughout the state in a process known as standard setting. To set these standards, the panel uses detailed descriptions of what students in each of the performance levels should know and be able to do. Based upon these detailed descriptions and actual assessment items, the panel recommends the score that best separates each performance level from the next; the recommendations are made to Michigan's State Superintendent of Public Instruction, who approves the final cut scores and performance level ranges. While the performance level descriptors necessarily differ by grade and subject area, student achievement—as defined by the obtained performance level—can be reasonably compared across subjects within a grade. Such a comparison can be used to indicate whether students are meeting Michigan Academic Standards in each subject and grade.

Standard Setting for the PSAT 8/9

In May 2019, College Board Psychometrics facilitated a standard setting for the Evidence-Based Reading and Writing (EBRW) and Math sections of the PSAT 8/9 for grade 8. The purpose of the standard setting was to obtain three cut scores for the EBRW and for the Math exams to be used for accountability purposes. The state of Michigan utilizes four Performance Levels (Not Proficient, Partially Proficient, Proficient, or Advanced) and three cut scores defining those levels.

The cut scores for Partially Proficient and Advanced were set by the educator panelists. Each panel used Performance Level Descriptors (PLDs) to guide them in placing bookmarks and making their recommendations. The cut scores for Proficient in EBRW and Math were set to the College Board College and Career Readiness scores. Panelists were asked to verify the reasonableness of the Proficient cut given the previously approved Performance Level Descriptors.

The cut scores recommended by the panels were provided to the state for consideration along with other information considered relevant. The recommendations from the standard setting panel were accepted as the final cut scores.

Section 3: Performance Level Descriptors and Ranges for Grade 8


Performance Level (PL) Descriptors

Not Proficient: The student’s performance is not yet proficient and indicates minimal understanding and application of key academic content standards defined for Michigan students. The student needs intensive intervention and support to improve achievement.

Partially Proficient: The student’s performance is not yet proficient, indicating a partial understanding and application of key academic content standards defined for Michigan students. The student needs assistance to improve achievement.

Proficient: The student’s performance indicates understanding and application of key academic content standards defined for Michigan students. The student needs continued support to maintain and improve proficiency.

Advanced: The student’s performance exceeds academic content standards and indicates substantial understanding and application of key concepts defined for Michigan students. The student needs support to continue to excel.

		2019 M-STEP Performance Level Scale Score Ranges			
Subject	Grade	Level 1 Not Proficient	Level 2 Partially Proficient	Level 3 Proficient	Level 4 Advanced
Social Studies	8	1703-1770	1771-1799	1800-1830	1831-1868

NOTE: The 2019 M-STEP Science assessment was a field test. Scale Scores are not calculated for field test data; therefore, Performance Level ranges are not available for the 2019 M-STEP Science assessment.

Michigan grade 8 Testing		2019 Michigan Grade 8 Performance Level Scale Score Ranges			
Subject	Grade	Level 1 Not Proficient	Level 2 Partially Proficient	Level 3 Proficient	Level 4 Advanced
Evidence-Based Reading and Writing	8	120-359	360-389	390-439	440-720
Math	8	120-369	370-429	430-509	510-720

Note: Michigan uses the PSAT 8/9 results for measuring proficiency on state academic standards in eighth grade English language arts and mathematics. Students who are proficient or advanced in Evidence-Based Reading and Writing and/or in Math have also met the grade level College Board benchmark for those subjects.

PSAT EBRW and Math College Board Readiness Benchmarks

Michigan utilizes PSAT 8/9 results for measuring proficiency on state academic standards in eighth grade English Language Arts (ELA) and mathematics. Students who are proficient or advanced in Evidence-Based Reading and Writing and/or in Math have also met the grade level College Board benchmark for those subjects. Students who meet the grade level benchmark are on track for college readiness after high school graduation. The PSAT 8/9 benchmark scores for grade 8 are:

PSAT 8/9	Score Range	Benchmark Score
Evidence-Based Reading and Writing	120-720	390
Math	120-720	430
Total Score	240-1440	

Section 4: Appropriate Use of the Data Provided in Assessment Reports

Appropriate Uses and Limitations of Summative Assessment Data

Assessment reports and data are an important part of a comprehensive assessment system that schools and districts should use in data-driven decision-making when considering curriculum development and instructional program evaluation. Assessment data should be shared with administrators, curriculum directors, instructional coaches, instructional leaders, and teachers. While reviewing the summative assessment data, educators should be aware of the appropriate uses – and limitations – of the data.

Individual Level Data

Uses: Summary information is provided for individual students. The student’s scale score provides an indication of the student’s proficiency at the time the test was taken. Scale scores represent what the student knows and is able to do in relation to Michigan’s Academic Standards. Scale scores are sorted into ranges of Performance Levels, which are used to indicate student progress toward college and career readiness. Performance Levels are Not Proficient, Partially Proficient, Proficient, and Advanced. More information about Performance Levels and how cut scores are determined is available under “Performance Levels” in the How Scores are Reported chapter of this guide.

Limitations: The PSAT 8/9 and M-STEP are summative assessments administered at the end of the student’s instructional program. Assessment results measure the standards that are assessed; they do not reflect student skills and abilities that are not part of assessed content. Results should be used together with other assessment and classroom performance information to provide a more complete picture of student performance.

Aggregated Data

Uses: Summary information about student performance is provided by aggregate groups. This includes:

- overall mean scale scores by school, district, and state
- overall mean scale scores for identified demographic groups by school, district, and state
 - This information can be used to compare the results of your school or district to the results in the state. You can also compare the results of a demographic group within your school or district to the overall performance of students in your school or district. Demographic group performance can also be compared to the state.
- social studies percentages of points earned by expectation, aggregated at the school, district, and state levels
 - expectation subscores for M-STEP social studies provide information about aggregate group performance on portions of the test; differences in mean subscores can be used in conjunction with other formative and benchmark assessment data to investigate the curriculum and instruction at the school or district levels.

Limitations: Overall aggregate mean scale scores provide a snapshot of information about a group of students’ performance on the test. These results should be used within a comprehensive assessment system that includes formative and benchmark assessment data to provide a more complete picture of student achievement.

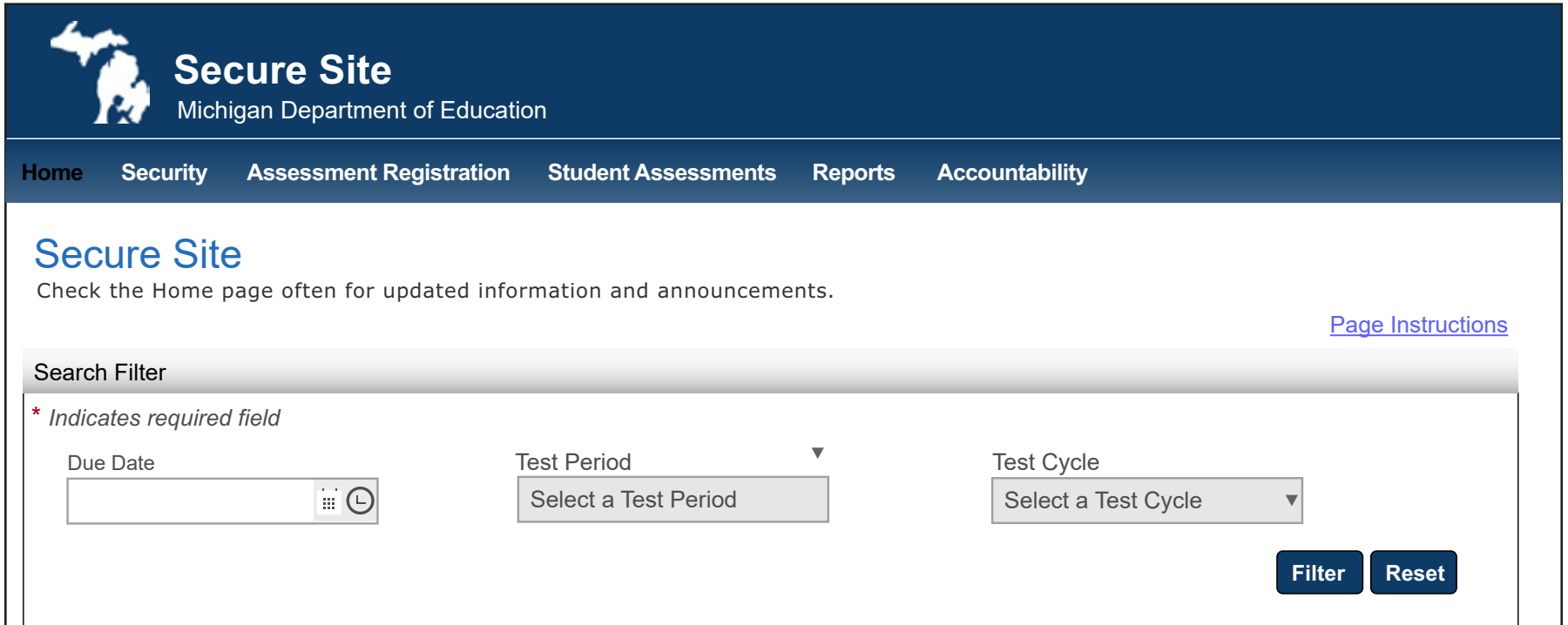
Some expectations are assessed using fewer than five items. Use caution when interpreting results based on a few items on the test. These results should be used within a comprehensive assessment system that includes formative and benchmark assessment data.

Note About Longitudinal Assessment Data: Annual assessment data are usually cross-sectional. Caution should be used if making any historical (longitudinal) comparisons at any level of the student population as assessment scales may have changed over the years.

Section 5: The Dynamic Score Reporting System

Grade 8 assessment reports are available to school and district users through the Dynamic Score Reporting Site, which is accessible through the Office of Educational Assessment and Accountability (OEAA) Secure Site. Detailed directions for accessing the reports are documented in **Michigan’s Dynamic Score Reporting Site User Guide** located on the [M-STEP web page](http://www.michigan.gov/mstep) (www.michigan.gov/mstep).

The Secure Site



The screenshot shows the top navigation bar of the Secure Site with the Michigan Department of Education logo and the text "Secure Site Michigan Department of Education". Below the navigation bar are links for Home, Security, Assessment Registration, Student Assessments, Reports, and Accountability. The main content area features a "Secure Site" heading and a message: "Check the Home page often for updated information and announcements." A link for "Page Instructions" is located on the right. Below this is a "Search Filter" section with a note: "* Indicates required field". It contains three input fields: "Due Date" (a text box with a calendar icon), "Test Period" (a dropdown menu with "Select a Test Period" selected), and "Test Cycle" (a dropdown menu with "Select a Test Cycle" selected). At the bottom right of the filter section are "Filter" and "Reset" buttons.

Grade 8 reports are available through the [OEAA Secure Site](http://www.michigan.gov/oeaa-secure) (www.michigan.gov/oeaa-secure). Secure Site access is only available to district and school employees with authorized user roles and permissions granted by their district. You must have a Michigan Education Information System (MEIS) login in order to access the Secure Site. For instructions on how to obtain a MEIS login, go to [Secure Site Training web page](http://www.michigan.gov/securesitetraining) (www.michigan.gov/securesitetraining) and click "How do I get access to the Secure Site?"

Functionality

Michigan’s Dynamic Score Reporting Site provides data for a variety of reports. Regardless of the selected report, users will encounter the following components:

1. **Welcome Page:** provides detailed directions for accessing the reports based on user role

Welcome to Michigan’s Dynamic Score Reporting Site

To access your reports, verify the assessment (M-STEP, PSAT, 8/9, or SAT): the site will default the assessment based on your test cycle section in the OEAA Secure Site. For example, if you selected Spring 2019 M-STEP in the Secure Site, the default assessment selection will be M-STEP.

- 1) Select a report from the **Report** dropdown menu above.
(Note: The page will refresh with available filters in the left margin.)
- 2) District users may need to select the desired school to display the report.
- 3) Select from the filters on the left margin.
- 4) Select the blue **Generate Reports** button to generate and open the requested report.
(Note: your filter selections will remain in place until you select different filter options.)

2. **Go to Student Quick Link:** allows user to jump to a student selected in the Filter Pane

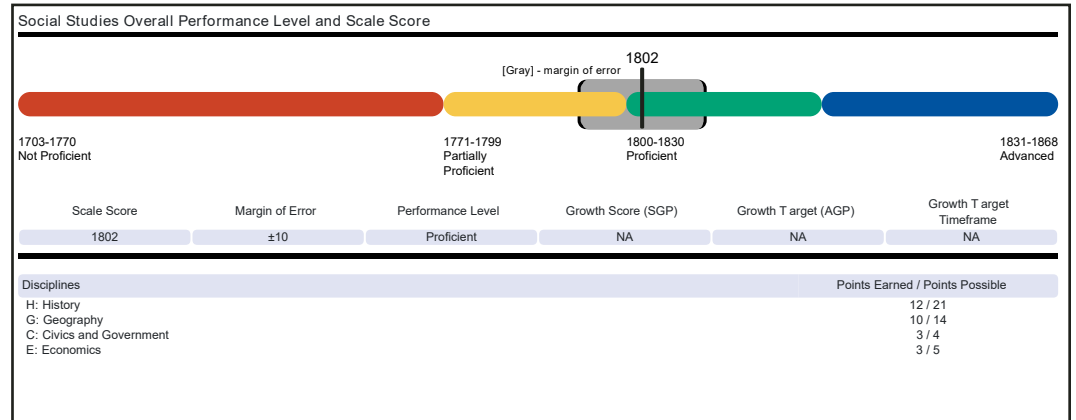
Student: Go to Student ▾

3. **The Actions button menu:** these options vary depending on the report

Actions: Choose an Action ▾

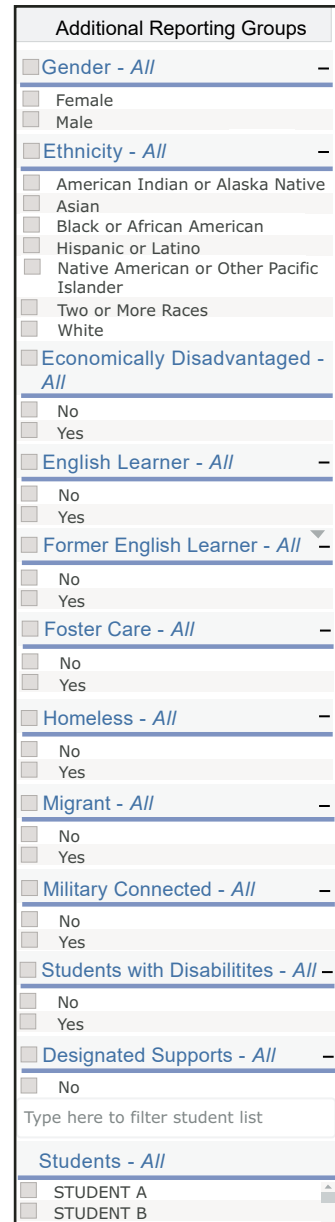
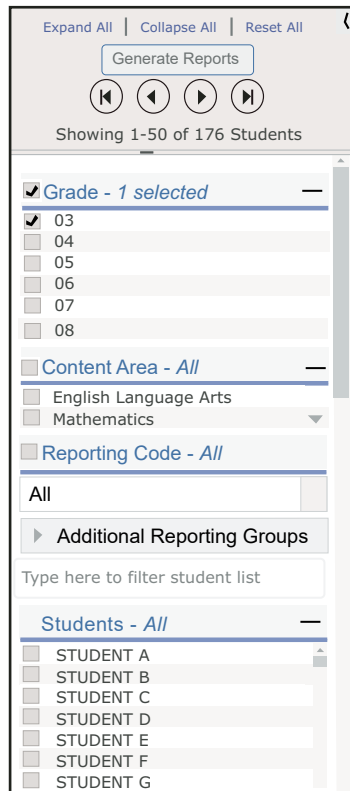
Options in the **Choose an Action** menu include:

- **About this Report** - document available in the Dynamic Score Reporting Site that describes the data contained in the report
 - **PDF Download** - to view individual or small groups of reports
 - **Zip (Bulk PDF) Download** - to print a large group of reports
 - **CSV File Download** - downloadable file that contains all student data that is contained in the report
 - **CSV File Format** - file format that describes the data contained in the CSV file download
 - **Dynamic Score Reporting User Guide** – describes how to access and navigate the Dynamic Score Reporting Site
 - **Interpretive Guide to Reports** – the Michigan Grade 8 Testing Interpretive Guide to Reports
4. **Report Body:** contains the selected report with the results of the filtered input



Filter Pane: Allows the user to filter by grade, content area, reporting code, and individual students; also allows the user to generate reports. The student filter has a predictive search feature. To filter the results, the user types the name of the student(s) into the search bar. The options available in the Filter Pane vary depending on the report. Filter options may include:

- Student Population
- Grade
- Content
- Reporting Code
- Performance Level
- Additional Reporting Groups
Accordion:
 - Gender
 - Ethnicity
 - Economically Disadvantaged
 - English Learner
 - Former English Learner
 - Foster Care
 - Homeless
 - Migrant
 - Military Connected
 - Students with Disabilities
 - Homeschooled
- Students-All



Cover Page: Individual-level student reports include a cover page. The cover page includes entity information, a list of filters that were applied when the reports were printed, the total number of pages, and the date and time the report was generated. Each page also includes page numbers.

CSV Files: CSV files are available for the aggregate reports and the Student Roster Report. They are found under the Actions Button on each report. More information about the CSV files is available in the Report sections and in the CSV File section of this document.

What's New!

New features have been added to the Dynamic Score Reports for 2019.

Assessment selection section for M-STEP, PSAT 8/9, and SAT with Essay: Users can now select which assessment reports to view: M-STEP, PSAT 8/9, or SAT with Essay. The site will default to the assessment selection based on which test cycle selection was made in the OEAA Secure Site. Once in the site, users can select either the M-STEP, PSAT 8/9, or SAT with Essay reports.

New Filter Options: The new filters available in 2019 are Foster Care: Yes/No and Military Connected: Yes/No. These filters are available on the individual student reports in the filter pane area and are reported as demographic subgroups on the Demographic Reports.

New Reports:

- **Student Growth and Proficiency Report:** This new report provides individual student scale score, performance level, and growth data. Student growth is plotted against the student's scale score and performance level to show student achievement against growth data.
- **Science Field Test ISR:** This new report provides individual student raw score percentage of points earned on the Science Field Test.
- **Science Field Test Summary Report:** This updated report displays aggregated raw score percentage of points earned in quartiles, showing the range of observed scores by aggregate group, the mean percentage of points earned, and the median percentage of points earned.

Note regarding Science Field Test reports: These reports are based on data from field test items. The M-STEP Science Field Test data is used to determine how well the field test items measure the intended standards. This data is not intended to provide proficiency information in relation to the Michigan K-12 science standards or domains.

Growth Data: Growth data will be available on the individual-level reports after the initial release of reports. Growth scores (formerly called Student Growth Percentiles [SGP]), Growth Target Scores (formerly called Adequate Growth Percentiles [AGP]), and Growth Target Timeframe scores are reported.

- **Growth Scores** range from one to 99, with 50 being average, and represent the percentage of comparable students—those who took the same test and had similar prior test scores—who had growth lower than the individual student. For example, a Growth Score of 60 means the student had higher growth than 60 percent of comparable students.
- **Growth Target Scores** also range from one to 99 and represent the amount of growth above or below average a student needs to maintain year-over-year to reach or maintain proficiency by the end of the set number of years. For example, consider a Growth Target Score of 80. This means the student must maintain considerably above average growth year-over-year to reach or maintain proficiency by the end of the set number of years.
- **Growth Target Timeframes** range from one to three years and are the number of years expected for a student to reach or maintain proficiency. Growth Target Timeframes are set based on how long it has historically taken similar students to reach or maintain proficiency.

Section 6: Reports

Student Level Data Reports

Student Record Labels

The Student Record Labels provide summary student performance levels for individual students. The labels include district and school information, student demographic information, grade 8 administration cycle information, and overall student performance level for tested content areas and assessments.

Student Record Labels are provided for inclusion in the students' Cumulative Student Record or CA-60 folder. The labels are printed and shipped to the school where the student tested in late summer and are available through the Secure Site if schools need to print additional copies.

00000 ABC SCHOOL DISTRICT
00000 ABC ELEMENTARY-MIDDLE SCHOOL

DOE, JOHN A

UIC#: 0000000000

DOB: 00/00/0000

Gender: M

Grade: 8

Spring 20XX



Content	SS	Performance Level
ELA (EBRW)	510	4-Advanced
Mathematics	510	4-Advanced
Science	N/A	Not Applicable
Social Studies	1796	2-Partially Proficient

Student Record Labels

This report provides information about the student's overall scale score and performance level.

The report can help educators:

- view overall summary score and performance level information at a glance
- view on student record folder for snapshot at a-glance achievement information

Individual Student Data Reports

Individual Student Reports

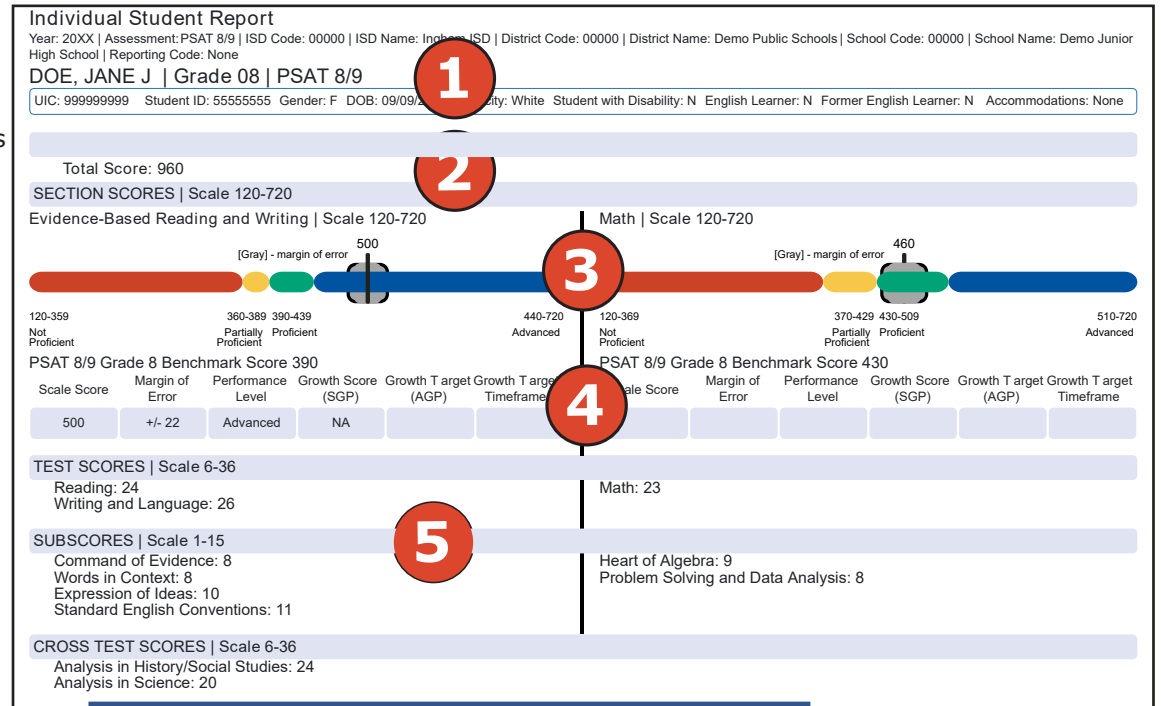
The Individual Student Report (ISR) provides information about student performance by content area. Each student will have an ISR for Social Studies and a separate ISR for PSAT 8/9 Evidence-Based Reading and Writing and Math.

The **PSAT 8/9 ISR** report is divided into five main sections:

- 1** Student Demographic Information
- 2** Total Score
- 3** Overall Content Performance
- 4** Overall Performance and Growth Data
- 5** Information on Individual Test Scores, Subscores, Cross-Test Scores, and Essay Scores

Student Demographic Information

This section provides identifying information about the student including name, grade, gender, date of birth, race/ethnicity, Unique Identification Code (UIC), and, if provided by the school, the district student ID. The report will indicate if the student has been marked as a Student with Disability, English Learner, or Former English Learner in the Michigan Student Data System (MSDS).



Individual Student Report

This report provides information about:

- Individual student overall scale score and performance level
- Individual test scores, subscores, and cross-test scores
- Social studies discipline raw scores
- **Growth Data:** growth score, growth target, and growth timeframe

This report can help educators:

- view a snapshot of student performance
- help to inform, along with local assessment data, student progress based on Michigan's Academic Standards

Additionally, any designated supports or accommodations the student received during the assessment are displayed.

Total Score

The total score is the sum of the two section scores: Evidence-Based Reading and Writing, and Math. The Total Score scale is 240-1440.

Overall Content Performance

Overall content area scale scores, including margin of error and the associated performance level, are provided as a graphic and as a table. Scale score ranges for each performance level are also shown on the graphic.

Growth Data

Growth Data are available after the initial release of assessment reports. They include:

- Growth Score (SGP)
- Growth Target Score (AGP)
- Growth Target Timeframe

Growth Scores range from one to 99, with 50 being average, and represent the percentage of comparable students—those who took the same test and had similar prior test scores—who had growth lower than that student. For example, a Growth Score of 60 means the student had higher growth than 60 percent of comparable students.

Growth Target Scores also range from one to 99 and represent the amount growth above or below average a student needs to maintain year-over-year to reach or maintain proficiency by the end of the set number of years. For example, consider a Growth Target Score of 80. This means the student must maintain considerably above average growth year-over-year to reach or maintain proficiency by the end of the set number of years.

Growth Target Timeframes range from one to three years and are the number of years expected for a student to reach or maintain proficiency. Growth Target Timeframes are set based on how long it has historically taken similar students to reach or maintain proficiency.

Information on Individual Test Scores, Subscores, and Cross-Test Scores

Individual Test Scores

The Reading test measures comprehension and reasoning skills and focuses on close reading of passages in a wide array of subject areas.

The Writing and Language test measures a range of skills including command of evidence, expression of ideas, and the use of standard English conventions in grammar and punctuation.

The Math test includes a range of math practices, with an emphasis on problem solving, modeling, using tools strategically, and using algebraic structure.

Subscores

The EBRW and Math assessments report multiple subscores for reading, writing and language, and math, all ranging from one to 15 points. Subscores provide more detail about student achievement.

Cross-Test Scores

Two cross-test scores are reported:

- Analysis in Science
- Analysis in History/Social Studies

Analysis in History/Social Studies and Analysis in Science Cross-Test scores are based on questions in the Reading, Writing and Language, and Math tests that ask students to think analytically about texts and problems in these subject areas.

The **M-STEP ISR** report is divided into four main sections:

- 1 Student demographic information
- 2 Overall content performance
- 3 Growth Data
- 4 Detailed discipline and content expectation data for social studies

Student Demographic Information

This section provides identifying information about the student including name, grade, gender, date of birth, race/ethnicity, Unique Identification Code (UIC), and, if provided by the school, the district student ID. The report will indicate if the student has been marked as a Student with Disability, English Learner, or Former English Learner in the Michigan Student Data System (MSDS). Additionally, any designated supports or accommodations the student received during the assessment (as indicated by DRC INSIGHT Portal or the paper/pencil Answer Document) are displayed.

Overall Content Performance

Overall content area scale scores, including margin of error and the associated performance level, are provided as a graphic and as a table. Scale score ranges for each performance level are also shown on the graphic.

Individual Student Report
 Year: 20XX | Assessment: M-STEP | ISD Code: 00000 | ISD Name: Sample High School | District Code: 00000 | District Name: Demo Public Schools | School Code: 00000
 School Name: Demo Junior High | Reporting Code: None
DOE, JOHN J | Grade 08 | Social Studies

UIC: 99999999 | Student ID: 88888888 | Gender: M | DOB: 01/13/20XX | Ethnicity: White | Student with Disability: N | English Learner: N | Former English Learner: N | Designated Supports: None | Accommodations: None

Social Studies Overall Performance Level and Scale Score

Scale Score	Margin of Error	Performance Level	Growth Score (SGP)	Growth Target (AGP)	Growth Target Timeframe
1802	±10	Proficient	NA	NA	NA

Disciplines	Points Earned / Points Possible
H: History	12 / 21
G: Geography	10 / 14
C: Civics and Government	3 / 4
E: Economics	3 / 5

Assessment Expectation Raw Scores (Points Earned / Points Possible)

Expectation H	History	Points Earned / Points Possible
7H1.1.02	Compare different calendar systems	0/1
6H1.2.01	Explain how historians use a variety of sources	1/1
7W1.1.02	Explain Paleolithic/Neolithic: Africa/Western Europe/Asia	1/1
6W1.2.02	Describe natural environment: agricultural settlements	0/1
7W1.2.01	Describe natural environment: agricultural settlements	1/1
7W1.2.03	Compare two early civilizations: Eastern Hemisphere	0/1
6W2.1.02	Describe how agriculture led: agrarian civilizations	1/1
7W2.1.04	Define concept of cultural diffusion	1/1
6W3.1.05	Construct timeline of early societies: Western Hemisphere	0/1

Growth Data are available after the initial release of assessment reports and include:

- Growth Score (SGP)
- Growth Target Score (AGP)
- Growth Target Timeframe

Growth Scores range from one to 99, with 50 being average, and represent the percentage of comparable students—those who took the same test and had similar prior test scores—who had growth lower than that student. For example, a Growth Score of 60 means the student had higher growth than 60 percent of comparable students.

Growth Target Scores also range from one to 99 and represent the amount growth above or below average a student needs to maintain year-over-year to reach or maintain proficiency by the end of the set number of years. For example, consider a Growth Target Score of 80. This means the student must maintain considerably above average growth year-over-year to reach or maintain proficiency by the end of the set number of years.

Growth Target Timeframes range from one to three years and are the number of years expected for a student to reach or maintain proficiency. Growth Target Timeframes are set based on how long it has historically taken similar students to reach or maintain proficiency.

Detailed Discipline/Content Expectation Data

Social studies content standards are organized by disciplines. Raw scores—that is, points earned out of total points possible—are reported for each discipline and Michigan Academic Standard within the discipline. Raw scores are not comparable across test forms.

PSAT 8/9 and M-STEP ISR Report Features

Features of the Individual Student Reports are described below.

Filters

The filter area allows users to filter reports based on content area, grade, reporting codes, demographic groups, or by individual students.

- **Grade** – Multiple selections are allowed. Users can filter by grades, according to the grades that are tested in the entity. The grade filter defaults to the lowest grade tested.
- **Content area** – Multiple selections are allowed. Users can filter by tested content areas. Content area filters default to “all”.
- **Performance Level** – Multiple selections are allowed. Users can filter by performance level. Performance Level filters default to “all”.
- **Reporting Code** - Multiple selections are allowed. If the school has assigned reporting codes to students, then students may be filtered on the available reporting codes. The reporting code has a predictive search feature; as the user enters letters, the list of selectable reporting codes shortens.
- **Additional Reporting Groups** - All Additional Reporting Groups default to “all”. The available filters in the Additional Reporting Groups include:
 - Gender
 - Ethnicity

- Economically Disadvantaged
- English Learner
- Former English Learner
- Foster Care
- Homeless
- Migrant
- Military Connected
- Students with Disabilities

- **Homeschooled** – Users can filter reports by homeschooled students. The Homeschooled filter defaults to “no”.
- **Students** - Users can filter the report to include only selected students. The student filter has a predictive search feature; as the user enters letters, the list of selectable students shortens.

Actions

The Actions button appears after a report is selected from the Report drop-down menu and contains the following options for the ISR:

- **About this Report** – document available in the Dynamic Score Reporting Site that describes the data contained in the report
- **PDF Download** – opens a PDF of the reports, according to what is selected in the filter area; user can print individual or small groups of reports from this option
- **Zip (Bulk PDF) Download** – opens a zip file that contains reports for all students in the school; user can download and print reports for large groups of students
- **Dynamic Score Reporting Site User Guide** – describes how to access and navigate the Dynamic Score Reporting Site
- **Interpretive Guide to Reports** – the Michigan Grade 8 Testing Interpretive Guide to Reports

Go to Student

The Go to Student menu allows the user to go directly to the generated report for the selected student.

Parent Report

Parent Reports are printed and shipped to schools for distribution to parents. Parent Reports are also made available to schools in the Dynamic Score Reporting Site for reprinting or to provide additional copies to parents or guardians.

The Parent Report provides information for parents about student performance in tested content areas. This report includes five main sections:

- 1 Superintendent Letter
- 2 PSAT 8/9 Evidence-Based Reading and Writing (EBRW) and Math Performance Data
- 3 M-STEP Social Studies Performance Data
- 4 Definitions
- 5 Performance Level Descriptors

Superintendent Letter

The Superintendent Letter to parents describes the grade 8 assessments and the content assessed. Grade 8 reports include summary information about PSAT 8/9 and the M-STEP assessments. Additional information and resources are also provided for parents.

DOE, JOHN J | Grade 8
District: 00000 Demo Public Schools
School: 00000 Sample High School

20XX | Parent Report | Michigan grade Testing 8

Dear Parent or Guardian:

This spring, your student took the PSAT™ 8/9 for grade 8 provided by the College Board and the Michigan Student Test of Educational Progress (M-STEP™).

PSAT 8/9 assessments measure student knowledge of state academic standards in Evidence-Based Reading and Writing and Math. These assessments also help prepare students for the SAT® college entrance exam given each year to high school juniors.

M-STEP assessments measure what students know and are able to do in relation to Michigan's academic standards in social studies and science. In 2015, the State Board of Education adopted new science standards. To measure these new standards, the Michigan Department of Education (MDE) is developing a new M-STEP science test. The MDE concluded the second year of a two-year science field test this past spring. A field test is meant to verify that the questions on the test measure what they are intended to. Individual science results are not included on this report because student proficiency was not calculated.

Please remember that these assessments are only a snapshot of student achievement. We encourage you to discuss these results with teachers and other school professionals who know your student personally. Assessment results can be used together with other assessment and classroom information to provide a more complete picture of student achievement. There are many opportunities for schools and parents to collaborate and discuss strategies to make every student in Michigan career- and college-ready by the time they graduate.

For more information on state assessments given in grade 8 and Michigan's academic standards, visit the M-STEP and PSAT web pages (www.michigan.gov/mstep and www.michigan.gov/psat). Under the Parent/Student Information section, you will find:

- Michigan's Education Assessment System: What It Is, What It Means, and What It Offers
- What Parents Should Know About Assessments
- How to Read Your Child's Score Report for Grade 8
- Parent Report Video for Grades 3-8 and 11 outlining how to read this report

Michigan students are our most important resource. Families, schools, and teachers succeed when they work together to support and inspire student achievement which will help us make Michigan a Top 10 education state in 10 years.

Sincerely,
Sheila A. Alles
Sheila A. Alles
Chief Deputy Superintendent
Michigan Department of Education

MICHIGAN Department of Education

UIC: 999999999

CollegeBoard
PSAT 8/9 for grade 8
TOTAL SCORE: 990

Evidence-Based Reading & Writing

[Gray] - margin of error 530

120-359 Not Proficient 360-389 Partially Proficient 390-439 Proficient 440-720 Advanced

Math

[Gray] - margin of error 460

120-369 Not Proficient 370-429 Partially Proficient 430-509 Proficient 510-720 Advanced

Michigan uses the PSAT 8/9 results for measuring proficiency on state academic standards in eighth grade English language arts and mathematics. Students who are proficient or advanced in Evidence-Based Reading and Writing and/or in Math have also met the grade level College Board benchmark for those subjects. Students who meet the grade level benchmark are on track for college readiness after high school graduation. The PSAT 8/9 benchmark scores for grade 8 are:

- Evidence-Based Reading and Writing – 390
- Math - 430

PSAT™ 8/9 is a trademark owned by College Board.

Parent Report

This report provides information about:

- individual student overall scale score and performance level
- social studies discipline raw scores

This report can help educators:

- see a snapshot of student progress based on grade-level Michigan Academic Standards

PSAT 8/9 Evidence-Based Reading and Writing (EBRW) and Math Performance Data

The College Board PSAT 8/9 is composed of two sections: Evidence-Based Reading and Writing (EBRW) and Math. The PSAT 8/9 is a required component for Grade 8 testing.

The College Board Suite of Assessments' College- and Career-Readiness Benchmarks help students and educators assess student progress toward college readiness from year to year. Benchmarks:

- identify students who are thriving and require greater challenges
- identify students who require additional academic support
- inform instructional and curricular enhancements throughout an institution

Overall content area scale scores, including margin of error and the associated performance level, are provided as a graphic for EBRW and Math.

M-STEP Social Studies Performance Data

Overall content area Scale Scores, including margin of error and the associated performance level, are provided as a graphic and as a table. Ranges for each performance level are also shown on the graphic.

Social studies content standards are organized by disciplines. Raw scores—that is, points earned out of total points possible—are reported for each discipline. Raw scores are not comparable across test forms.

Definitions

The following definitions are provided:

Disciplines – Disciplines organize content standards and expectations. Disciplines apply to science and social studies. A discipline score reflects a student's performance on the test items within the discipline.

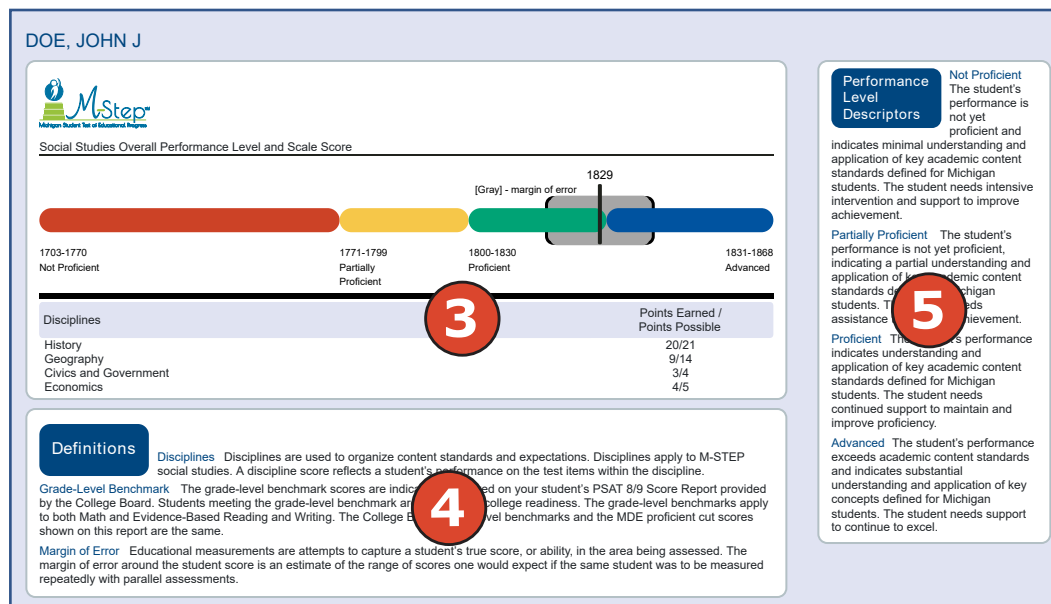
Grade-Level Benchmark – The PSAT 8/9 benchmark scores are indicators displayed on student's PSAT 8/9 Score Report provided

by the College Board. Students meeting the PSAT 8/9 benchmarks are on track for college readiness after high school graduation. PSAT 8/9 benchmarks apply to both Math and to Evidence-Based Reading and Writing. The College Board benchmarks and the MDE proficient cut scores shown on this report are the same.

Margin of Error – Educational measurements are attempts to capture a student's true score, or ability, in the area being assessed. The margin of error around the student score is an estimate of the range or scores one would expect if the same student was to be measured repeatedly with parallel assessments.

Performance Level Descriptors

Information on [Performance Level Descriptors](#) for the grade 8 assessments can be found in Section 3 (page 12) of this guide.



Report Features

Filters

Users may choose from the following filters before generating a report:

- Homeschooled
- Students

The Student filter has a predictive search filter. Users can type student names or three characters to filter the student list.

Actions

The Actions button appears after a report is generated, and contains the following options for the Parent Report:

- **About this Report** - document available in the Dynamic Score Reporting Site that describes the data contained in the report

- **PDF Download** – opens a PDF of the Parent Reports, according to what is selected in the filter area; user can print individual or small groups of reports from this option
- **Zip (Bulk PDF) Download** – opens a zip file that will allow the user to download and print all reports for large groups of students
- **Dynamic Score Reporting User Guide** – describes how to access and navigate the Dynamic Score Reporting Site
- **Interpretive Guide to Reports** – the Michigan Grade 8 Testing Interpretive Guide to Reports

M-STEP Social Studies Student Roster

The M-STEP Student Roster Report provides information about student performance for social studies.

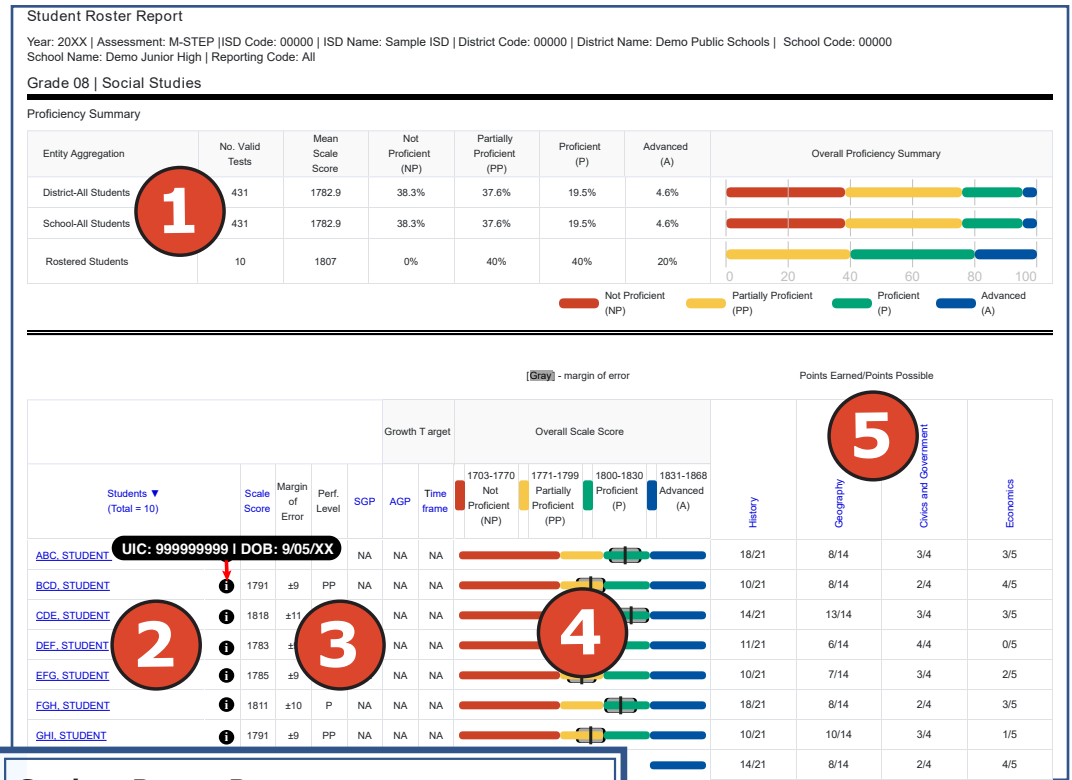
The report is divided into five main sections:

- 1 Overall Proficiency Summary
- 2 Rostered Students
- 3 Overall Content Performance (Table Format)
- 4 Overall Content Performance (Graphic Format)
- 5 Discipline Data

Overall Proficiency Summary

Overall proficiency summary data is displayed in graphic format for each group.

- State – all students in the state
- District – all students in the district
- School – all students in the school
- Rostered Students - students displayed in the roster according to user filter selections



Student Roster Report

This report provides information about:

- Groups of students, aggregated by state, district, school, and rostered list – overall performance level and scale score
- Individual student – overall performance level and scale score
- Social studies discipline raw scores

This report can help educators:

- compare overall performance for each aggregated group of students
- view student overall scale score and performance level for rostered students
- view student performance sorted by scale score and discipline

The data displayed in the table is:

- Total number of valid tests
- Mean scale score
- Percent of valid tests in each performance level (Not Proficient, Partially Proficient, Proficient, and Advanced)

The data displayed in the graph is:

- Percent of valid tests in each performance level (Not Proficient, Partially Proficient, Proficient, and Advanced)
- Number of valid tests in each performance level (Not Proficient, Partially Proficient, Proficient, and Advanced) – displayed in the hover feature

Rostered Students

Students meeting the selected filter criteria are displayed in ascending alphabetical order by last name, then first name. The sort sequence may be changed to sort in descending alphabetical order. The following data is displayed in this section.

- Number of students displayed in the student roster—all students who tested in the selected filters including students with invalid tests
- Student Name as last name, first name, middle initial—student name is sortable
- Unique Identification Code (UIC) displayed when clicking the Information or **i** icon
- Date of Birth (DOB)—displayed when the Information or **i** icon is clicked

Overall Content Performance (Table Format) Description

Overall content area scale scores, including margin of error and the associated performance level, are provided as a graphic and as a table. Scale score ranges for each performance level are also shown on the graphic.

Growth Data includes Growth Score, Growth Target Score, and Growth Target Timeframe. Growth Scores (SGP), Growth Target Scores (AGP), and Growth Target Timeframes will be available after the initial release of student reports.

Growth Scores range from one to 99, with 50 being average, and represent the percentage of comparable students—those who took the same test and had similar prior test scores—who had growth lower than that student. For example, a Growth Score of 60 means the student had higher growth than 60 percent of comparable students.

Growth Target Scores also range from one to 99 and represent the amount growth above or below average a student needs to maintain year-over-year to reach or maintain proficiency by the end of the set number of years. For example, consider a Growth Target Score of 80; this means the student must maintain considerably above average growth year-over-year to reach or maintain proficiency by the end of the set number of years.

Growth Target Timeframes range from zero to three years and are the number of years expected for a student to reach or maintain proficiency. Growth Target Timeframes are set based on how long it has historically taken similar students to reach or maintain proficiency.

For each selected student, the following is displayed:

- Scale Score:
 - The scale score is sortable. Sorting by scale score will result in a list of the selected students in order of scale score (ascending or descending); selecting “Scale Score” once sorts in ascending order, and selecting it twice sorts in descending order.
- Margin of Error (gray band in graphic)
- Performance Levels:
 - NP = Not Proficient
 - PP = Partially Proficient
 - P = Proficient
 - A = Advanced

- **Growth Score (SGP):** available after the initial release of reports
 - The SGP is sortable. Sorting by SGP will result in a list of selected students in order of SGP (ascending or descending); selecting “SGP” once sorts in ascending order, and selecting it twice sorts in descending order.
- **Growth Target (AGP):** available after the initial release of reports
 - The AGP is sortable. Sorting by AGP will result in a list of selected students in order of AGP (ascending or descending); selecting “AGP” once sorts in ascending order, and selecting it twice sorts in descending order.
- **Timeframe:**
 - The Timeframe is sortable. Sorting by Timeframe will result in a list of selected students in order of Timeframe, with AGP as secondary sort (ascending or descending); selecting “Timeframe” once sorts in ascending order, and selecting it twice sorts in descending order.

Overall Content Performance (Graphic Format) Description

The performance data for each selected student is also displayed in graphic format. The ranges for the four performance levels are provided in the legend.

Discipline Data

Discipline results display as raw scores (points earned out of the points possible) for social studies. Each discipline is sortable.

Report Features

Features of the Student Roster Report are described below.

Filters

The filter area allows users to filter reports based on content area, grade, reporting codes, demographic groups, or students.

- **Grade** – Only one selection is allowed. Users can filter by the grades that are tested in the entity. The grade filter defaults to the lowest grade tested.
- **Content area** – Multiple selections are allowed. Users can filter by tested content areas. Content area filters default to “all”.
- **Reporting Code** - Multiple selections are allowed. If the school has assigned reporting codes to students, then students may be filtered on the available reporting codes. The reporting code has a predictive search feature; as the user enters letters, the list of selectable reporting codes shortens.
- **Performance Level** – Multiple selections are allowed. Users can filter by performance level. Performance Level filters default to “all”.
- **Additional Reporting Groups** - All Additional Reporting Groups default to “all”. The available filters in the Additional Reporting Groups include:
 - Gender
 - Ethnicity
 - Economically Disadvantaged
 - English Learner
 - Former English Learner
 - Foster Care
 - Homeless
 - Migrant
 - Military Connected
 - Students with Disabilities
- **Students** - Users can filter the report to include only selected students. The student filter has a predictive search feature; as the user enters letters, the list of selectable students shortens.

Sort Options

There are several sort options available in the Student Roster Report.

- **Student Name** initially displays the report in alphabetical order, with invalid reports grouped at the bottom of the report. Users can click to sort in reverse alphabetical order; invalid reports will display at the top.

- **Scale Score** can be sorted from high to low on the first click; if clicked a second time, the Scale Score sorts from low to high.
- **Growth Score (SGP)** can be sorted from high to low on the first click; if clicked a second time, the Growth Score sorts from low to high.
- **Growth Target (AGP)** can be sorted from high to low on the first click; if clicked a second time, the Growth Target sorts from low to high.
- **Growth Target Timeframe** can be sorted from high to low on the first click; if clicked a second time, the Growth Target sorts from low to high. The secondary sort for Growth Target Timeframe is the Growth Target score.

Actions

The actions button appears after a report is selected from the report drop-down menu and contains the following options for the Student Roster Report.

- **About this Report** – document available in the Dynamic Score Reporting Site that describes the data contained in the report
- **PDF Download** – opens a PDF of the Student Roster Reports, according to what is selected in the filter area; user can print individual or small groups of reports from this option
- **CSV File Download** – two downloadable files contain all student data that is found on the report; one file contains the data in the overall proficiency summary and the other file contains the data from the student roster

- **CSV File Format** – describes the data contained in the CSV file downloads
- **Dynamic Score Reporting Site User Guide** – describes how to access and navigate the Dynamic Score Reporting Site
- **Interpretive Guide to Reports** – the Michigan Grade 8 Testing Interpretive Guide to Reports

Drill-Down Feature

The Student Roster Report includes a drill-down feature that allows the user to select a student’s name from the Student Roster Report to open an Individual Student Report.

After a user has selected a student name to drill down into the Individual Student Report and the Individual Student Report displays, a breadcrumb area appears below the District/School entity information that displays “Student Roster Report – Individual Student Report”. Each report name in the breadcrumb is an active link. To return to the Student Roster Report, the user selects “Student Roster Report”.

A user may drill down into a Student Roster Report from the School Demographic Report. When a user accesses the Student Roster Report in this way, the user cannot make any additional filter selections in the report. The user can view the report and use its sorting functionality, or drill down further into an Individual Student Report. However, to use the filter options in the Student Roster Report, the user must select the Student Roster Report from the report drop-down menu.

Student Overview

The Student Overview provides summary information about student performance in all tested content in the selected grade.

For each selected student, the following data is displayed for each tested content in both graphic and table format:

- 1 Overall Content Performance (for social studies, EBRW, and Math)
- 2 Discipline and Subscore Performance (to apply to both discipline and PSAT 8/9 subscores)

Overall Content Performance

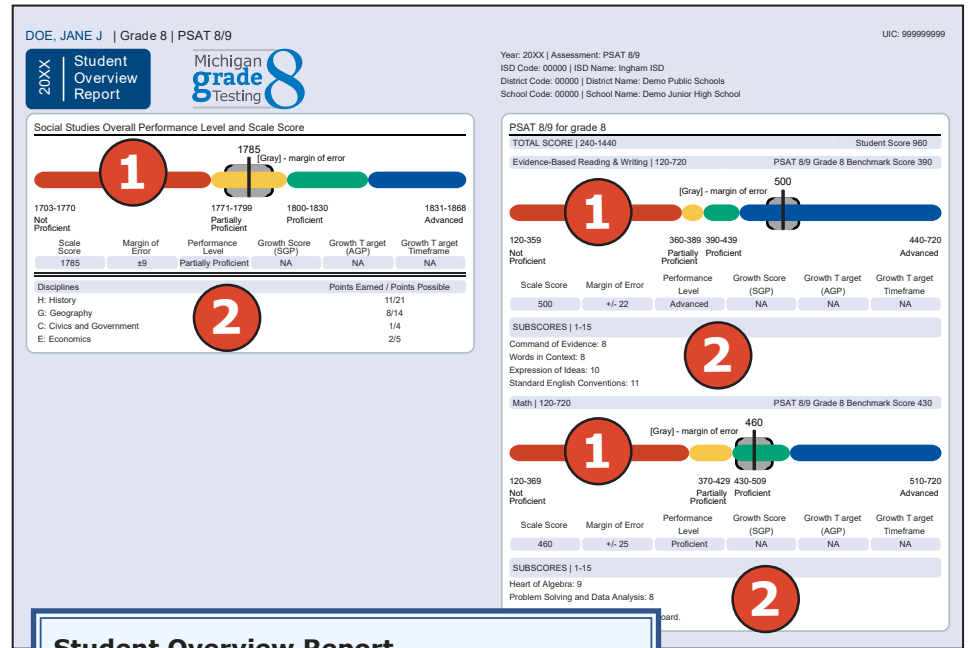
Overall content area scale scores, including margin of error and the associated performance level, are provided as a graphic and as a table. Ranges for each performance level are also shown on the graphic.

Growth Data are available after the initial release of assessment reports and includes:

- Growth Score (SGP)
- Growth Target Score (AGP)
- Growth Target Timeframe

Growth Scores range from one to 99, with 50 being average, and represent the percentage of comparable students—those who took the same test and had similar prior test scores—who had growth lower than that student. For example, a Growth Score of 60 means the student had higher growth than 60 percent of comparable students.

Growth Target Scores also range from one to 99 and represent the amount growth above or below average a student needs to maintain year-over-year to reach or maintain proficiency by the end of the set number of years. For example, consider a Growth Target Score of 80.



Student Overview Report

This report provides information about:

- Individual student overall performance level and scale score
- Subscores for EBRW and Math
- Social studies discipline raw scores
- Growth data: growth score, growth target, and growth target timeframe

This report can help educators:

- view summary student performance on all content area tests allows users at a glance
- view a snapshot of individual student performance based on Michigan's Academic Standards

This means the student must maintain considerably above average growth year-over-year to reach or maintain proficiency by the end of the set number of years.

Growth Target Timeframes range from one to three years and are the number of years expected for a student to reach or maintain proficiency. Growth Target Timeframes are based on how long it has historically taken similar students to reach or maintain proficiency.

Discipline and Subscore Performance

Social studies content standards are organized by disciplines. Raw scores—that is, points earned out of total points possible—are reported for each discipline. Raw scores are not comparable across test forms.

The EBRW and Math assessments report multiple subscores for reading, writing and language, and for math, all ranging from one to 15 points. Subscores provide more detail about student achievement.

Report Features

Features of the Student Overview Report are described.

Filters

The filter area allows users to filter reports based on content area, grade, reporting codes, demographic groups, or students.

- **Additional Reporting Groups** - All Additional Reporting Groups default to “all”. The available filters in the Additional Reporting Groups include:
 - Gender
 - Ethnicity
 - Economically Disadvantaged
 - English Learner
 - Former English Learner

- Foster Care
- Homeless
- Migrant
- Military Connected
- Students with Disabilities

- **Homeschooled** - Users can filter reports by homeschooled students. The Homeschooled filter defaults to “no”.
- **Students** - Users can filter the report to include only selected students. The student filter has a predictive search feature; as the user enters letters, the list of selectable students shortens.

Actions

The actions button appears after a report is selected from the Report drop-down menu and contains the following options for the Student Overview Report.

- **About this Report** – document available in the Dynamic Score Reporting Site that describes the data contained in the report
- **PDF Download** – opens a PDF of the Demographic Reports, according to what is selected in the filter area
- **Zip (Bulk PDF) Download** – opens a zip file that will allow the user to download and print all reports for large groups of students
- **Dynamic Score Reporting User Guide** – describes how to access and navigate the Dynamic Score Reporting Site
- **Interpretive Guide to Reports** – the Michigan Grade 8 Testing Interpretive Guide to Reports

Student Growth and Proficiency Report

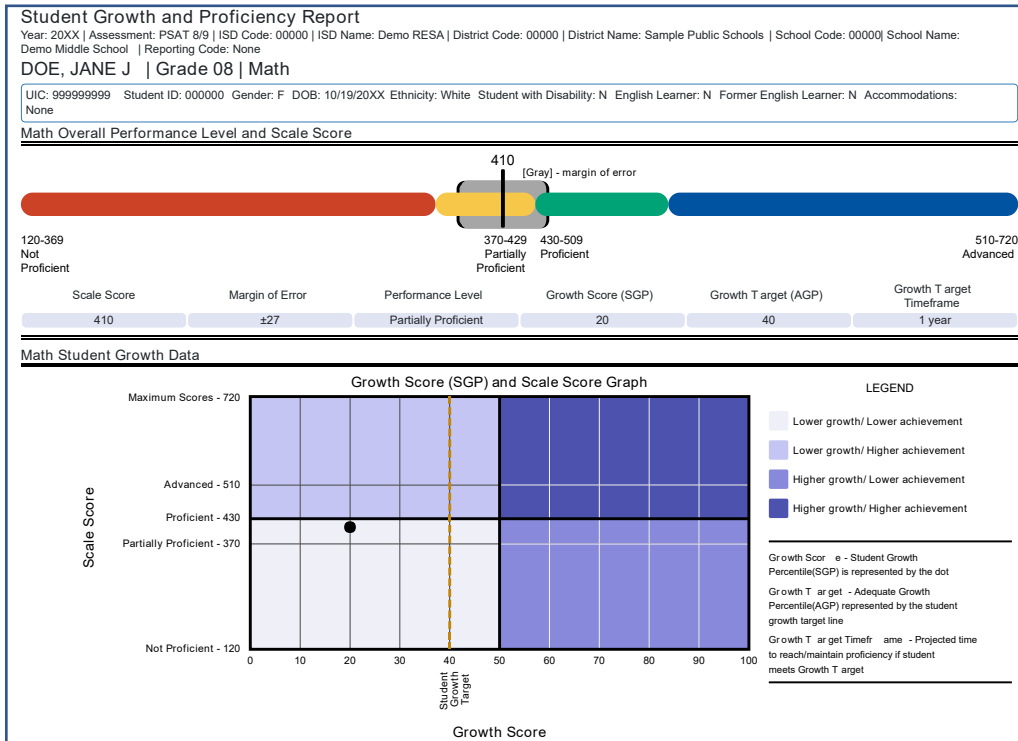
The PSAT 8/9 Student Growth and Proficiency Report provides information about student growth by content area. Each student in grade 8 will have a separate Student Growth and Proficiency report for PSAT8/9 Evidence-Based Reading and Writing (EBRW), PSAT 8/9 Math, and M-STEP Social Studies.

Grade eight social studies does not include Growth Target (AGP) or Growth Target Timeframe data. This occurs because AGP/Timeframe scores are projections that are reportable based on the prior year assessment score and are based on projections of one to three years. Due to the gap of three years or more between assessments in this content area at these grade levels, MDE does not report Growth Target data for grade eight social studies.

Student growth data is not calculated for the M-STEP Science Field Test and the Science Field Test is not included in the Student Growth and Proficiency Report.

The report is divided into three main sections:

- 1 Student Demographic Information
- 2 Overall Content Performance
- 3 Student Growth Data Graph



Student Growth and Proficiency Report

This report provides information about:

- student proficiency
- student growth data include Growth Score, Growth Target Score, and Growth Target Timeframe
- student proficiency plotted against growth score

This report can help educators:

- view a snapshot of student proficiency and growth data
- view a snapshot of student growth target and timeframe to reach or maintain proficiency
- help to inform, along with other local assessment data, student proficiency and progress toward proficiency

Student Demographic Information

This section provides identifying information about the student including name, Unique Identification Code (UIC), student ID if provided by the school, gender, data of birth, and ethnicity.

The report will indicate if the student has been marked as a Student with Disability, English Learner, or Former English Learner in the Michigan Student Data System (MSDS).

Additionally, any designated supports or accommodations the student received will be listed.

Overall Content Performance

Overall content area scale scores, including margin of error and the associated performance level are provided as a graphic and as a table. Scale score ranges for each performance level are also shown on the graphic.

Growth Data are available and includes:

- Growth Score (SGP)
- Growth Target Score (AGP)
- Growth Target Timeframe

Growth scores describe a student's learning over time compared to other students who took the same test and had similar prior test scores. Growth Scores are percentiles that range from 1 to 99 with 50 being the average and indicate how many scores in the comparison group are below that score. For example, a Growth Score of 60 means the student had higher growth than 60 percent of comparable students.

Growth Target Scores also range from 1 to 99 and represent the amount of growth above or below average a student needs to maintain year-over-year to reach or maintain proficiency by the end of the set number of years. For example, consider a Growth Target Score of 80. This means the student must maintain considerably above average growth year-over-year to reach or maintain proficiency by the end of the set number of years.

Growth Target Timeframes range from 1 to 3 years and are the number of years expected for a student to reach or maintain proficiency. Growth Target Timeframes are set based on how long it has historically taken similar students to reach or maintain proficiency.

Student Growth Data Graph

The Growth Score (SGP) and Scale Score Graph plots student growth score against student scale score.

The x-axis of the graph labels student's growth score. The growth score of 50 is marked by a bold black line that separates the 'lower growth' sections from the 'higher growth' sections.

The y-axis of the graph labels the student's scale score. Scale score is labeled for each Performance Level range. Scale score ranges for Not Proficient, Partially Proficient, Proficient, and Advanced are labeled. The highest possible scale score is also labeled. The Proficient label is marked by a bold black line that separates the 'lower achievement' sections from the 'higher achievement' sections.

The student's growth score plotted against the scale score is marked by a dot. This dot indicates which section the student's growth and scale score represents. The key to the right of the graph identifies four sections. Each section is identified:

- Lower growth/ lower achievement
- Lower growth/ higher achievement
- Higher growth/ lower achievement
- Higher growth/ higher achievement

The legend to the right of the graph describes each data point for Growth Score, Growth Target, and Timeframe.

Report Features

Features of the Student Growth and Proficiency Report are described below.

Filters

The filter area provides users the ability to filter reports based on content area, grade, reporting codes, or students.

- **Content area** – Multiple selections are allowed. Users can filter by tested content areas. Content area filters default to all.
- **Reporting Code** - Multiple selections are allowed. If the school has assigned reporting codes to students, then students may be filtered on the available reporting codes. The reporting code has a predictive search feature: As the user enters letters the list of selectable reporting codes shortens.
- **Performance Level** – Multiple selections are allowed. Users can filter by performance level. Performance Level filters default to all.
- **Additional Reporting Groups** - All Additional Reporting Groups default to all. The available filters in the Additional Reporting Groups include:
 - Gender
 - Ethnicity
 - Economically Disadvantaged
 - English Learner
 - Former English Learner
 - Foster Care
 - Homeless
 - Migrant
 - Military Connected
 - Students with Disabilities

- **Students** - Users can filter the report to include only selected students. The student filter has a predictive search feature: As the user enters letters the list of selectable students shortens.

Actions

The actions button appears after a report is selected from the Report drop-down menu and contains the following options for the Student Growth and Proficiency Report:

- **About this Report** – document available in the Dynamic Score Reporting Site that describes the data contained in the report
- **PDF Download** – opens a PDF of the Student Overview Reports, according to what is selected in the filter area; user can print individual or small groups of reports from this option
- **Zip (Bulk PDF) Download** – opens a zip file that contains reports for all students in the school; user can download and print reports for large groups of students
- **Dynamic Score Reporting Site User Guide** – describes how to access and navigate the Dynamic Score Reporting Site
- **Interpretive Guide to Reports** –the Interpretive Guide to M-STEP Reports

Science Field Test Individual Student Report

The Michigan Student Test of Educational Progress (M-STEP) Science Field Test Individual Student Report displays individual student overall raw score percentage of points earned on the M-STEP Science Field Test.

Note: This report is based on data from field test items. The M-STEP Science Field Test data is used to determine how well the field test items measure the intended standards. This data is not intended to provide proficiency information in relation to the Michigan K-12 science standards or domains.

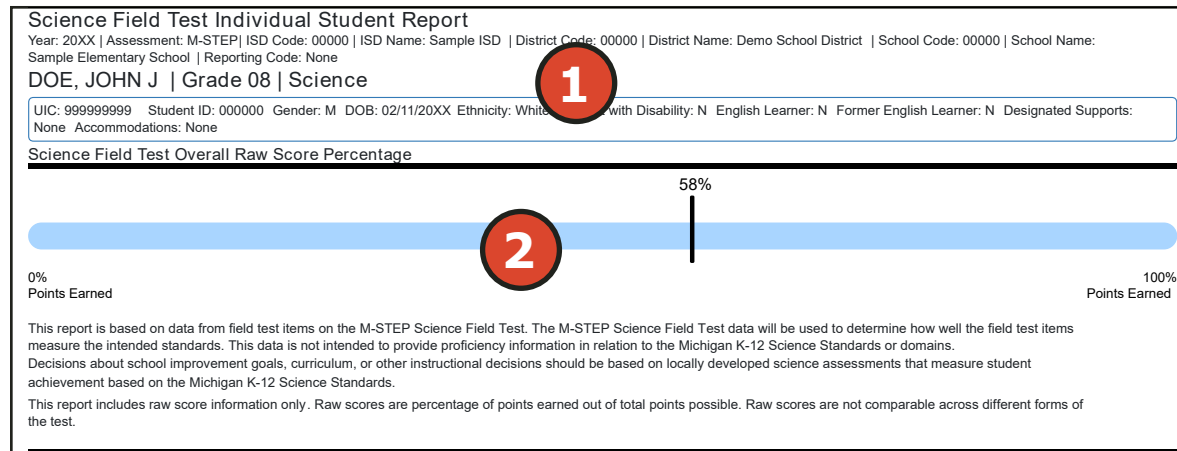
Decisions about school improvement goals, curriculum, or other instructional decisions should be based on locally developed science assessments that measure student achievement based on the Michigan K-12 science standards.

The report is divided into two main sections:

- 1 Student Demographic Information
- 2 Overall Raw Score Percentage

This report provides information about:

- field test data that is intended to determine how well the items measure Michigan K-12 Science standards
- individual student percent of points earned overall



This report is based on data from field test items. The M-STEP Science Field Test data is used to determine how well the field test items measure the intended standards. This data is not intended to provide proficiency information in relation to the Michigan K-12 Science standards or domains.

Decisions about school improvement goals, curriculum, or other instructional decisions should be based on locally developed science assessments that measure student achievement based on the Michigan K-12 science standards.

Student Demographic Information

This section provides identifying information about the student including name, grade, gender, date of birth, race/ethnicity, Unique Identification Code (UIC), and, if provided by the school, district student ID. The report will indicate if the student has been marked as a Student with Disability, English Learner, or Former English Learner in the Michigan Student Data System (MSDS). Additionally, any designated supports or accommodations the student received as indicated by the DRC INSIGHT Portal (formerly known as eDIRECT) or the paper Answer Document are displayed.

Overall Raw Score Percentage

The overall raw score percentage of points earned on the M-STEP Science Field Test is displayed as a graphic. The percentage of points earned is shown on the graphic.

Report Features

Features of the Science Field Test Individual Student Report are described below.

Filters

The filter area provides users the ability to filter reports based on grade or students.

- **Grade** – Multiple selections are allowed. Users can filter by grades, according to the grades that are tested in the entity. The grade filter defaults to the lowest grade tested.
- **Homeschooled** – Users can filter reports by homeschooled students. The Homeschooled filter defaults to no.
- **Students** – Users can filter the report to include only selected students. The student filter has a predictive search feature: As the user enters letters the list of selectable students shortens.

Actions

The actions button appears after a report is selected from the Report drop-down menu and contains the following options for the Science Field Test Individual Student Report:

- **About this Report** – document available in the Dynamic Score Reporting Site that describes the data contained in the report
- **PDF Download** – opens a PDF of the Student Overview Reports, according to what is selected in the filter area; user can print individual or small groups of reports from this option
- **Dynamic Score Reporting Site User Guide** – describes how to access and navigate the Dynamic Score Reporting Site
- **Interpretive Guide to Reports** – the Interpretive Guide to M-STEP Reports

Aggregate Data Reports

M-STEP Expectation Analysis Report

The Michigan Student Test of Educational Progress (M-STEP) Expectation Analysis Report provides the percentage of points earned by grade and content area expectation in each discipline for social studies, and the number of students scoring in each of four scoring categories. Expectation level data is not reported for the M-STEP Science Field Test.

The report is divided into two main sections:

- 1** Discipline and Expectation Information
- 2** Aggregate student data by expectation

Expectation Analysis Report

This report provides information about:

- aggregate group performance by expectation in social studies

This report can help educators:

- identify expectations on which students perform well and expectations on which students do not perform well
- analyze curricular alignment to content expectations; that is, “Are all standards in each content expectation being taught? If so, are they taught at the appropriate Depth of Knowledge (DOK)?”
- compare school, district, and state results to identify performance by aggregate group
- identify needs for academic program improvement or nuanced improvement goals

District Expectation Analysis Report

Year: 20XX | Assessment: M-STEP | ISD Code: 00000 | ISD Name: Demo RESA | District Code: 55555 | District Name: Sample Public Schools | Reporting Code: All
Grade 08 | Social Studies | All Students

Discipline H Expectations	History 1	No. of Students Assessed per Expectation	Average % Points Earned	Number of Students With:			
				0-25% Points Earned	26-50% Points Earned	51-75% Points Earned	76-100% Points Earned
7H1.1.02	Compare different calendar systems	1024	50.7	505	0	0	519
6H1.2.01	Explain how historians use a variety of sources	1024	4.3	980	0	0	44
6H1.2.02	Read a historical passage/identify factual knowledge	37	43.2	21	0	0	16
7H1.2.06	Identify the role of the individual in history	37	45.9	20	0	0	17
6H1.4.01	Describe cultural institutions: study an era/region	37	43.2	21	0	0	16
7W1.1.01	Explain human communities: Eastern Hemisphere	37	89.2	4	0	0	33
7W1.1.02	Explain Paleolithic/Neolithic: Africa/Western Europe/Asia	1024	21.3	806	0	0	218
6W1.2.02	Describe natural environment: agricultural settlements	1061	86	149	0	0	912
6W1.2.03	Explain the impact of the Agricultural Revolution	37	89.2	4	0	0	33
7W1.2.01	Describe natural environment: agricultural settlements	1024	48.9	523	0	0	501
7W1.2.03	Compare two early civilizations: Eastern Hemisphere	1024	26.5	753	0	0	271
6W2.1.01	Explain how environment/agriculture in Western Hemisphere	37	81.1	7	0	0	30
6W2.1.02	Describe how agriculture led: agrarian civilizations	1024	50.3	509	0	0	515
7W2.1.02	Use maps: locate river systems/early civilizations	37	54.1	17	0	0	20
7W2.1.04	Define concept of cultural diffusion	1024	58.3	427	0	0	597
6W3.1.05	Construct timeline of early societies: Western Hemisphere	1024	62.5	384	0	0	640
7W3.1.03	Compare features: city-state/civilization/empire	37	54.1	17	0	0	20

Discipline and Expectation Information

The report displays the discipline being reported in the gray heading area. The discipline heading can be collapsed by selecting the caret next to the discipline. Next, the expectations within the discipline are listed, including the Michigan Academic Standard abbreviation and a short description of each expectation.

Aggregate student data by expectation

The report displays the Number of Students Assessed in the expectation (not all students were assessed on every expectation), the average percentage of points earned, and the number of students scoring in one of four bands: 0-25%, 26-50%, 51-75%, and 76-100% points earned out

of points possible. Individual students may have a different number of points possible associated with an expectation, depending on the test form they received.

Report Features

Features of the Expectation Analysis Report are described below.

Student Population

The population of students to be displayed may be selected by the user from the following student populations:

- All Students – this is the default
- All Except Students with Disabilities – students who are not marked Special Education in the Michigan Student Data System (MSDS) at the time of testing
- Students with Disabilities – students who are marked Special Education in MSDS at the time of testing

Filters

The filter area allows users to filter reports based on content area, grade, or reporting codes.

- **Grade** – Only one selection is allowed. Users can filter by grades, according to the grades that are tested in the entity. The grade filter defaults to the lowest grade tested.
- **Content area** – Multiple selections are allowed. Users can filter by tested content areas. Content area filters default to “all”.

- **Reporting Code** - Multiple selections are allowed. If the school has assigned reporting codes to students, then students may be filtered on the available reporting codes. The reporting code has a predictive search feature; as the user enters letters, the list of selectable reporting codes shortens.

Actions

The Actions button appears after a report is generated, and contains the following options for the Student Roster Report.

- **About this Report** – document available in the Dynamic Score Reporting Site that describes the data contained in the report
- **PDF Download** – opens a PDF of the Demographic Reports, according to what is selected in the filter area
- **CSV File Download** – downloadable file that contains all student data found on the report
- **CSV File Format** – describes the data contained in the CSV file download
- **Dynamic Score Reporting User Guide** – describes how to access and navigate the Dynamic Score Reporting Site
- **Interpretive Guide to Reports** – the Michigan Grade 8 Testing Interpretive Guide to Reports

Demographic Report

The Demographic Report is available both for PSAT 8/9 in Evidence-Based Reading and Writing, and Math and for M-STEP social studies.

The report provides a comparison of students by grade and content, aggregated across selected demographic groups, showing the percentages of students at each performance level (Not Proficient, Partially Proficient, Proficient, Advanced, and Proficient and Advanced Combined). The Demographic Report is available at the school, district, and state levels.

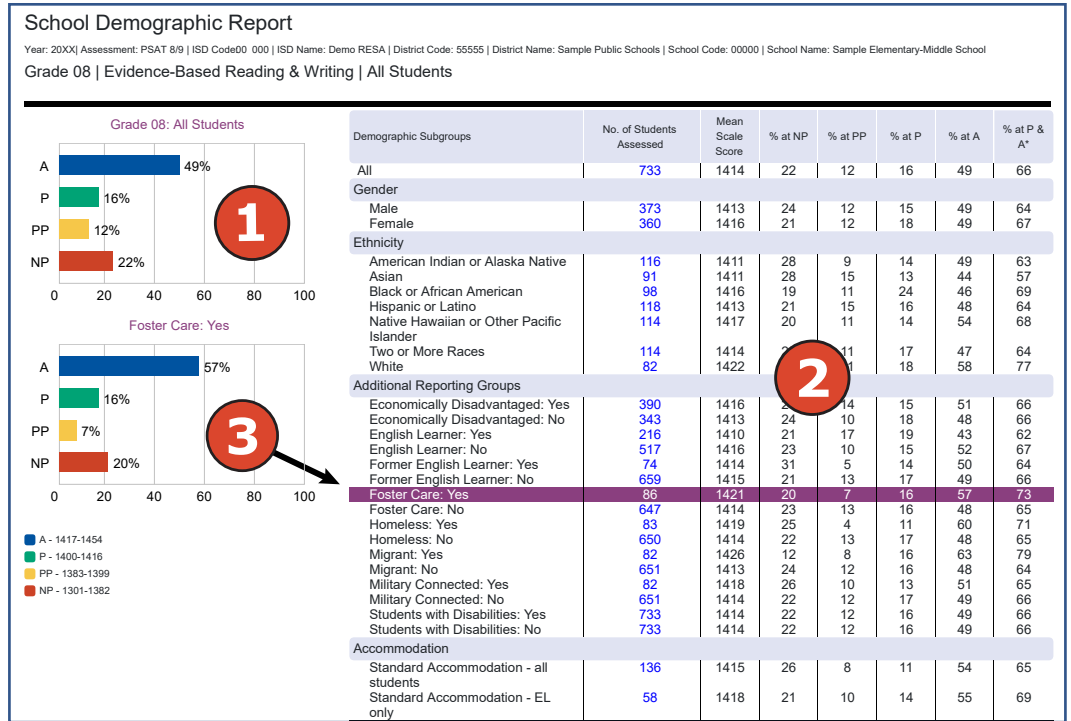
After the user selects a grade to view, all tested content for that grade is displayed sequentially in alphabetical order. The report is divided into three main sections:

- 1** Overall Performance Level Percentages Graphic
- 2** Demographic Subgroup Performance Level Data Table
- 3** Subgroup Performance Level Percentages Graphic Table

Demographic Report

This report provides information about:

- aggregate group performance by mean scale score and performance level



This report can help educators:

- analyze summary performance by demographic group
- compare demographic group performance to overall performance
- identify areas of strength and weakness by demographic group
- analyze curricular alignment and impact by demographic group
- identify needs for academic program improvement or continuous improvement goals
- identify achievement gaps by demographic group

Overall Performance Level Percentages Graphic

A horizontal bar graph displays the percentages of Advanced, Proficient, Partially Proficient, and Not Proficient students among all students in the selected student population, grade, and content area. The legend beneath the graph(s) provides the scale score ranges associated with each performance level.

Demographic Subgroup Performance Level Data Table

Performance level data—including the number of students assessed, the mean scale score, and the percentages of students in each performance level (Advanced, Proficient, Partially Proficient, Not Proficient, and Advanced and Proficient Combined)—for all students and for the reported demographic subgroups are displayed in a table.

- Gender
 - Female
 - Male
- Ethnicity
 - American Indian or Alaska Native
 - Asian
 - Black or African American
 - Hispanic or Latino
 - Native Hawaiian or Other Pacific Islander
 - Two or More Races
 - White
- Additional Reporting Groups
 - Economically Disadvantaged: Yes
 - Economically Disadvantaged: No
 - English Learner: Yes
 - English Learner: No
 - Former English Learner: Yes
 - Former English Learner: No

- Foster Care: Yes
- Foster Care: No
- Homeless: Yes
- Homeless: No
- Migrant: Yes
- Migrant: No
- Military Connected: Yes
- Military Connected: No
- Students with Disabilities: Yes
- Students with Disabilities: No

Demographic Subgroup Performance Level Percentages Graphic

The user may select a demographic subgroup in the demographic table to compare against the overall student population. The selected demographic subgroup will be highlighted and a corresponding horizontal bar graph of the performance level percentages will display under the overall performance level graph.

Report Features

Features of the Demographic Report are described below.

Student Population

The population of students to be displayed may be selected by the user. Users may select from the following student populations.

- All Students – this is the default
- All Except Students with Disabilities – students who are not marked Special Education in the Michigan Student Data System (MSDS) at the time of testing
- Students with Disabilities – students who are marked Special Education in MSDS at the time of testing

Filters

The filter area allows users to filter reports based on content area, grade, reporting codes, demographic groups, or students.

- **Grade** – Only one selection is allowed. Users can filter by grades, according to the grades that are tested in the entity. The grade filter defaults to the lowest grade tested.
- **Content area** – Multiple selections are allowed. Users can filter by tested content areas. Content area filters default to “all”.

Actions

The Actions button appears after a report is selected from the Report drop-down menu and contains the following options for the Demographic Report.

- **About this Report** – document available in the Dynamic Score Reporting Site that describes the data contained in the report
- **PDF Download** – opens a PDF of the Demographic Reports, according to what is selected in the filter area
- **CSV File Download** – downloadable file that contains all student data found on the report
- **CSV File Format** – describes the data contained in the CSV file download
- **Dynamic Score Reporting User Guide** – describes how to access and navigate the Dynamic Score Reporting Site
- **Interpretive Guide to Reports** – the Michigan Grade 8 Testing Interpretive Guide to Reports

Drill-Down Feature

The School Demographic Report includes a drill-down feature that enables the user to select the link in the Number of Students Assessed column to open a Student Roster Report, which includes the students represented in the aggregated group. When the Number of Students Assessed is zero, the “0” is not an active link. Note: In some instances, the number of students displayed may differ between the School Demographic Report and the generated Student Roster Report. This is because the Demographic Report does not include invalid tests, while the Student Roster Report does include invalid tests.

After a user has selected the link to drill down into the represented aggregate group, a breadcrumb area appears below the District/School entity information, displaying “Demographic Report – School > Student Roster”. Each Demographic Report in the breadcrumb is an active link. To return to the School Demographic Report, the user selects “Demographic Report – School”.

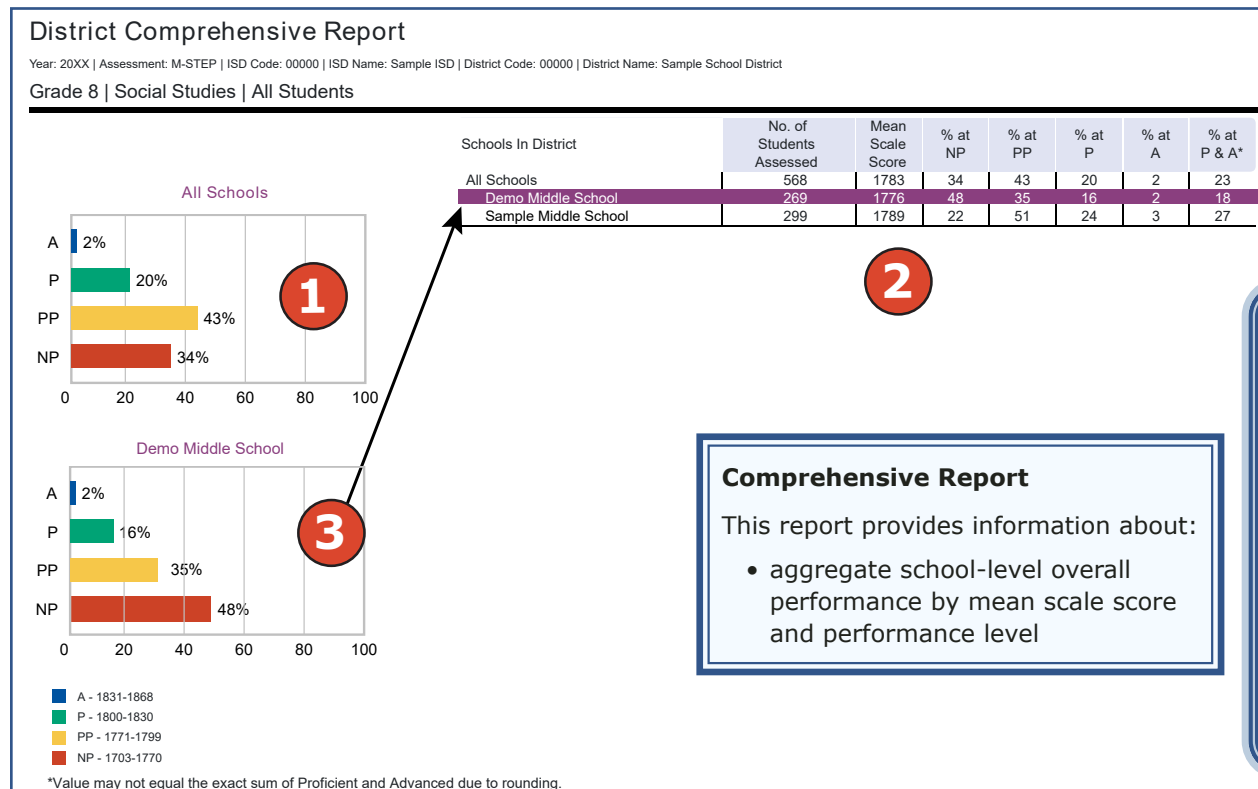
The drill-down feature is not available on the state or district level Demographic Reports.

Comprehensive Report

The Michigan Student Test of Educational Progress (M-STEP) Comprehensive Report provides a comparison of students by grade and content, aggregated across schools, showing the percentages proficient at each level (Advanced, Proficient, Partially Proficient, and Not Proficient). The Comprehensive Report is available at the district level.

The report is divided into three main sections:

- 1 Overall Performance Level Percentages Graphic
- 2 Entity Performance Level Data Table
- 3 School Performance Level Percentages Graphic



This report can help educators:

- analyze school-level overall performance
- compare school performance to other schools in the district
- analyze curricular alignment to Michigan Academic Standards
- identify needs for academic program improvement or continuous improvement goals

Overall Performance Level Percentages Graphic

For all students in the selected grade, student population, and displayed content, the percentages of Advanced, Proficient, Partially Proficient, and Not Proficient students are displayed in a horizontal bar graph. The legend beneath the graph provides the scale score ranges associated with each performance level.

Entity Performance Level Data Table

Performance level data are displayed for the schools in the district, excluding nonpublic schools. This data includes the number of students assessed, the mean scale score, and the percentages of students in each performance level—Not Proficient, Partially Proficient, Proficient, Advanced—as well as the combined percentage of Proficient and Advanced.

School Performance Level Percentages Graphic

The user may select a school in the table to compare against the overall district performance data. The selected school will be highlighted, and a corresponding horizontal bar graph of the performance level percentages will display under the overall performance level graph.

Report Features

Features of the Comprehensive Report are described below.

Student Population

The population of students to be displayed may be selected by the user. Users may select from the following student populations.

- All Students – this is the default
- All Except Students with Disabilities – students who are not marked Special Education in the Michigan Student Data System (MSDS) at the time of testing
- Students with Disabilities – students who are marked Special Education in MSDS at the time of testing

Filters

The filter area allows users to filter reports based on content area and grade.

- **Grade** – Multiple selections are allowed. Users can filter by grades, according to the grades that are tested in the entity. The grade filter defaults to the lowest grade tested.
- **Content area** – Multiple selections are allowed. Users can filter by tested content areas. Content area filters default to “all”.

Actions

The Actions button appears after a report is generated, and contains the following options for the Comprehensive Report.

- **About this Report** – document available in the Dynamic Score Reporting Site that describes the data contained in the report
- **PDF Download** – opens a PDF of the Demographic Reports, according to what is selected in the filter area
- **CSV File Download** – downloadable file that contains all student data found on the report
- **CSV File Format** – describes the data contained in the CSV file download
- **Dynamic Score Reporting User Guide** – describes how to access and navigate the Dynamic Score Reporting Site
- **Interpretive Guide to Reports** – the Michigan Grade 8 Testing Interpretive Guide to Reports

Drill-Down Feature

The District Comprehensive Report includes a drill-down feature that enables the user to select the name of the school in the report to open the School Demographic Report.

After a user has selected the link to drill down into the School Demographic Report, a breadcrumb area appears below the District/School entity information, displaying “District Comprehensive Report > Demographic Report – School”. Each Comprehensive Report in the breadcrumb is an active link. To return to the District Comprehensive Report, the user selects “District Comprehensive Report”.

Science Field Test Summary Report

The Michigan Student Test of Educational Progress (M-STEP) Science Field Test Summary Report displays aggregated raw score percentage of points earned in box and whisker graphs for overall points earned as well as for each domain at the school, district, and state level.

Note: This report is based on data from field test items. The M-STEP Science Field Test data is used to determine how well the field test items measure the intended standards. This data is not intended to provide proficiency information in relation to the Michigan K-12 science standards or domains.

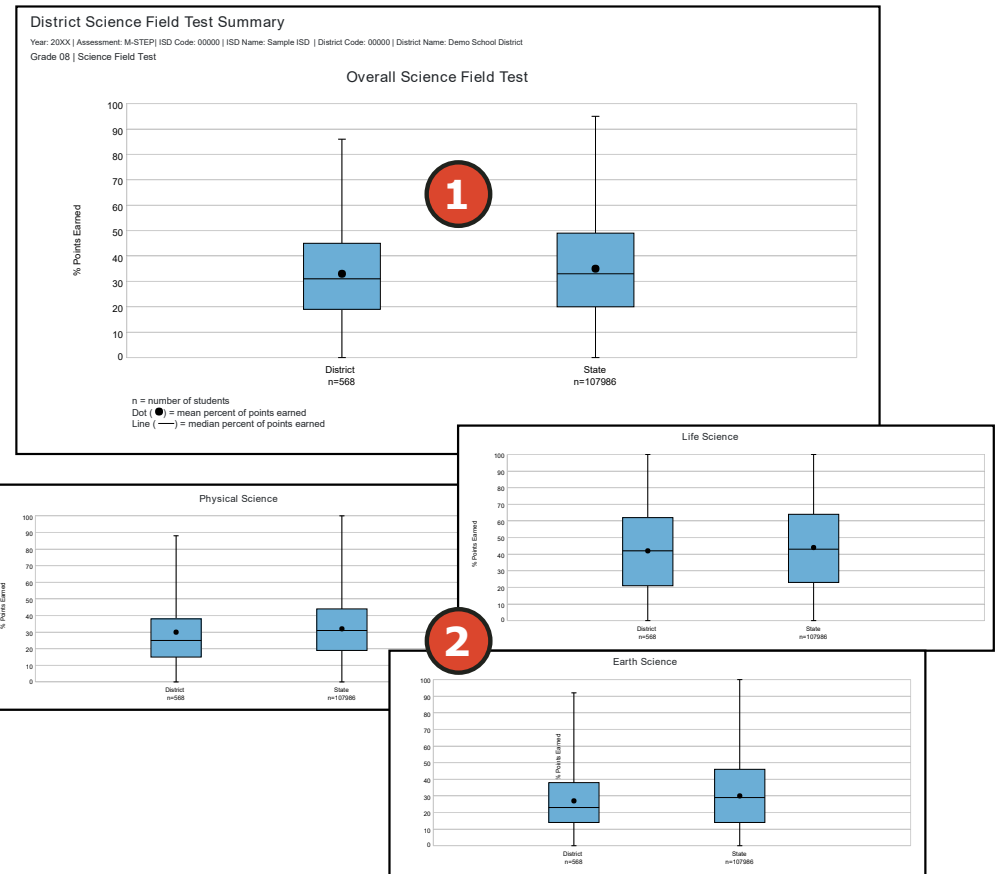
Decisions about school improvement goals, curriculum, or other instructional decisions should be based on locally developed science assessments that measure student achievement based on the Michigan K-12 science standards.

The report is divided into two main sections:

- 1 Overall Raw Score Percentage Points Earned Graph
- 2 Domain Raw Score Percentage Points Earned Graph

This report provides information about:

- field test data that is intended to determine how well the items measure Michigan K-12 Science standards
- aggregate group overall and by domain mean, median, and quartile information
- overall and by domain highest and lowest observed score in the aggregate group



This report is based on data from field test items. The M-STEP Science Field Test data is used to determine how well the field test items measure the intended standards. This data is not intended to provide proficiency information in relation to the Michigan K-12 Science standards or domains.

Decisions about school improvement goals, curriculum, or other instructional decisions should be based on locally developed science assessments that measure student achievement based on the Michigan K-12 science standards.

Overall Raw Score Percentage of Points Earned Graph

This report includes the school, district and state aggregate groups, which are labeled on the x-axis. Each box represents the aggregate group for the reported entity. The number of students in each entity is included under the entity label as n=xxx.

For each entity, the percentages of points earned are displayed in a box and whisker plot.

The range of observed scores are sorted into four equal sized groups, called quartiles.

The blue box for each entity represents the interquartile range, that is, the range of scores observed in quartile groups two and three for the aggregate group. The lowest score of the interquartile range (box) is called the Lower Quartile, and the highest score of the interquartile range (box) is called the Upper Quartile.

The 'whiskers' extending above and below the 'box' represent quartile group one on the lower end and quartile group four on the upper end.

The lower point of the 'whisker' represents the lowest observed score in the aggregate group and the upper point of the 'whisker' represents the highest observed score in the aggregate group.

The dot in the box represents the mean percentage of points earned in the reported entity aggregate group.

The horizontal line in each box represents the median percent of points earned in the reported entity aggregate group.

The hover feature of the graph displays:

- Median – median score of the aggregate group
- Mean – mean score of the aggregate group
- Upper Quartile – the upper quartile score of the aggregate group

- Lower Quartile – the lower quartile score of the aggregate group
- Minimum Observed – the minimum observed score of the aggregate group
- Maximum Observed – the maximum observed score of the aggregate group

Domain Raw Score Percentage of Points Earned Graph

For all students in each entity, the box and whisker graph is displayed for each domain.

Report Features

Features of the Science Field Test Summary Report are described below.

Filters

The filter area provides users the ability to filter reports based on content area, grade, reporting codes, demographic groups, or students.

- **Grade** – Only one selection is allowed. Users can filter by grades, according to the grades that are tested in the entity. The grade filter defaults to the lowest grade tested.

Actions

The actions button appears after a report is selected from the Report drop-down menu and contains the following options for the Science Field Test Summary Report:

- **About this Report** – document available in the Dynamic Score Reporting Site that describes the data contained in the report
- **PDF Download** – opens a PDF of the Comprehensive Reports, according to what is selected in the filter area
- **Dynamic Score Reporting User Guide** – describes how to access and navigate the Dynamic Score Reporting Site
- **Interpretive Guide to Reports** – the Interpretive Guide to M-STEP Reports

OEAA Secure Site Data Files

Data files are available for download by authorized school and district users under the Reports/Student Test Scores tab on the [Office of Educational Assessment and Accountability \(OEAA\) Secure Site](http://www.michigan.gov/oeaa-secure) (www.michigan.gov/oeaa-secure).

Student Data File

The Student Data File contains detailed individual student data in an Microsoft Excel file. This data includes school information, student demographic data, test administration data, and student performance data.

School information – student ISD, district, and school codes

Student Demographic Data – includes Grade, Name, Gender, Ethnicity, UIC, Date of Birth; also includes subgroup information including Economically Disadvantaged, Special Education, Limited English Proficiency, Migrant status and Homeschooled information

Test Administration Data – includes online or paper-pencil format, valid or invalid test (if invalid, includes reason for invalidation of the test), also whether student received accommodations

Student Performance Data – includes student scale score, student growth score, growth target, growth target timeframe, and raw score data for social studies

The Student Data File is provided for schools to use as a data resource for school- or district-level data reviews. Schools or districts can use the Student Data File to manipulate and evaluate data in ways that support school improvement goals or other data-based decision making purposes.

PSAT 8/9 Student Data File Format

The downloaded file containing student test scores is a Comma Delimited File (CSV) with the following fields in order:

Excel Column	Field	Descriptor	Field Type (length)	Format
A	TestPeriod	Test period and fiscal year	text(20)	
B	ISDCode	ISD code number	varchar(5)	99999
C	DistrictCode	District code number	varchar(5)	99999
D	SchoolCode	School code number	varchar(5)	99999
E	AttendingInstitutionCode	Code of attending institution	varchar(6)	999999
F	Grade	Student grade	varchar(2)	99
G	NameofAttendingInstitution	Institution name associated with AI Code derived from building code	varchar(50)	
H	LastName	Student last name	varchar(25)	
I	FirstName	Student first name	varchar(25)	
J	MiddleInitial	Student middle initial	char(1)	9
K	Gender	Student's gender M = Male, F = Female	char(1)	9
L	Ethnicity	Student's ethnic code 0 = Native Hawaiian or Other Pacific Islander 1 = American Indian or Alaska Native 3 = Black or African American 4 = Hispanic or Latino 5 = White 6 = Two or more Races 9 = Asian	int(1)	9
M	UIC	Student UIC	char(10)	9999999999
N	StudentNumber	Student number from local school district	varchar(20)	
O	BirthDate	Student's date of birth	datetime(8)	mm/dd/yyyy
P	Barcode	Student's barcode number	varchar(10)	9999999999
Q	ED	Economically disadvantaged Y = Yes, N = No	char(1)	9
R	SE	Special education Y = Yes, N = No	char(1)	9

Aggregate Data File

The Aggregate Data File contains student performance data used in the selected report. This data includes school information, student population, demographic group, and student performance data.

School information – ISD, district, and school information are included in the selected report

Demographic Data – demographic data, such as Gender, Ethnicity, Economically Disadvantaged, Migrant status, or Other—are included, based on the data contained in the selected report

Student Performance Data – student or student aggregate group scale scores and claim or discipline data are included, based on the data contained in the selected report

The Aggregate Data File is provided for schools to use as a data resource for school- or district-level data reviews. Schools or districts can use the Aggregate Data Files to evaluate data in ways that support school improvement goals or other data-based decision making purposes.

PSAT Aggregate Data File Format

The downloaded file containing PSAT aggregate data is a Comma Delimited File (CSV) with the following fields in order:

Excel Column	Field	Descriptor	Field Type and Length
A	TestCycle	Test name and year	text(20)
B	ISDCode	ISD code	varchar(05)
C	ISDName	ISD name	varchar(50)
D	DistrictCode	District code	varchar(05)
E	DistrictName	District name	varchar(50)
F	SchoolCode	School code	varchar(05)
G	SchoolName	School name	varchar(50)
H	Grade	Tested grade	varchar(02)
I	Subject	English Language Arts Mathematics Overall	varchar(20)
J	SubGroupType	All Students Economically Disadvantaged (ED) English Learner (EL) Ethnicity Former English learner (FEL) Foster Care Gender Homeless Migrant (MS) Military Connected Students With Disabilities	varchar(50)
K	DemographicSubGroup	All Students Female Male American Indian or Alaska Native Asian Black or African American Hispanic or Latino Native Hawaiian or Other Pacific Islander Two or More Races White No (<i>not used for All Students, Ethnicity, Gender</i>) Yes (<i>not used for All Students, Ethnicity, Gender</i>)	char(37)
L	AvgSS	Average scale score of selected group	decimal(8,1)
M	StdDevSS	Standard scale score deviation of selected group	decimal(8,1)
N	NotMetN	Number of students not meeting proficiency benchmark in selected group	integer

Section 7: Additional Resources

Additional Sources of Assessment Results

MI School Data

[MI School Data](http://www.michigan.gov/mischooldata) (www.michigan.gov/mischooldata) is an online public portal that provides views of Michigan education data, to help make informed educational decisions; to help improve instruction; and to enable school systems to prepare a higher percentage of students to succeed in rigorous high school courses, college, and challenging careers.

MiLearn

[Michigan Linked Educational Assessment Reporting Network \(MiLearn\)](#) is a Michigan Department of Education service that delivers state assessment data electronically to students, parents, and educators directly through the district's Student Information System (SIS). MiLearn is updated daily using the Michigan Data Hub data to reflect student enrollment changes.

When users log into the SIS, no second login or password is needed to access MiLearn. The user clicks a "State Assessment Data" link in the SIS to access MiLearn and their reports. Currently, districts on the Michigan Data Hub that use PowerSchool, MISTAR, Skyward, or Synergy as their SIS are able to integrate this free service. MDE continues to work with the remaining SIS vendors that are supported by the Michigan Data Hub to provide access to MiLearn. If your district is not yet on the Michigan Data Hub, contact support@michigandatahub.org.

The MiLearn system has been designed with flexibility and convenience for districts. You control who sees the data. District administrative staff configure their system security to locally govern which data is provided to their users. Since MiLearn receives rostering updates nightly, your data is always current and reflects the current school and district enrollment. This also means you will see the available state assessment results for new students in the district the next day.

Currently, MiLearn houses three years' worth of M-STEP results data. Beginning with the Spring 2019 score results, PSAT 8/9 results will be

added to the system. For more information on MiLearn, contact Tim Hall at hallt@michigan.gov.

General Resources

General resources are available on the [M-STEP web page](http://www.michigan.gov/mstep) (www.michigan.gov/mstep) and [PSAT web page](http://www.michigan.gov/psat) (www.michigan.gov/psat).

Resources available on the M-STEP web page:

- M-STEP and PSAT Performance Level (PL) Descriptors
- M-STEP Performance Level Scale Score Ranges
- M-STEP Student Data File Format
- Statewide Summative Assessments Calendars
- Michigan's Education Assessment System: What It Is, What It Means, and What It Offers— presentation
- Online practice for M-STEP science and social studies
- Sample Item Sets
- What Parents Should Know About Assessments

Resources available on the PSAT web page:

- PSAT 8/9 Understanding Scores
- Understanding PSAT 8/9 Results for Parents

[College Board website](http://www.collegeboard.org/psat) (www.collegeboard.org/psat): for PSAT 8/9 information

[Guidelines on the Uses of College Board Test Scores and Related Data](https://research.collegeboard.org/pdf/guidelines-uses-college-board-test-scores-and-data.pdf) (https://research.collegeboard.org/pdf/guidelines-uses-college-board-test-scores-and-data.pdf)

For instructions on how to obtain access to the Dynamic Reporting Site, go to [Secure Site Training](http://www.michigan.gov/securesitetraining) (www.michigan.gov/securesitetraining) and click **How do I get access to the Secure Site?**

Also, be sure to sign up for the OEAA [Spotlight on Assessment and Accountability Newsletter](http://www.michigan.gov/mde-spotlight) (www.michigan.gov/mde-spotlight) for weekly up-to-date information about statewide summative assessments.

Section 8: Glossary

- **Benchmark score:** The PSAT benchmark scores are indicators displayed on the student’s PSAT Score Report provided by the College Board. Students meeting the PSAT benchmark are on track for college readiness upon graduation from high school. PSAT benchmarks apply to both Math and to Evidence-Based Reading and Writing. The College Board PSAT benchmarks and the MDE proficient cut scores shown on this report are the same.
- **Discipline:** Disciplines are used as a means of organizing content standards and expectations. Disciplines apply to social studies.
- **Domains:** Domains are used to group the three-dimensional science standards using similar disciplinary core ideas. Domains apply to science.
- **Growth Score (SGP):** (previously called Student Growth Percentiles) SGPs describe a student’s learning over time compared to other students with comparable prior test scores. Percentiles range from one to 99 and indicate how many scores in the comparison group are below that score.
- **Growth Target (AGP):** (previously called Adequate Growth Percentiles) This is the amount of growth necessary for the student to reach or maintain proficiency within a set timeframe. Percentiles range from one to 99 and indicate how much growth is required in order for the student to achieve proficiency in the timeframe score.
- **Growth Target (AGP) Timeframe:** This is the amount of time the growth target (AGP) model expects the student to take to reach or maintain proficiency. Timeframes range from one to three and indicate how many years it would take for the student to achieve proficiency if they meet the Growth Target Score.
- **Interquartile Range:** The graphic “box” in the Science Summary Report representing the middle 50 percent of scores for the aggregate group; represents the range of scores from the lower quartile to the upper quartile.
- **Invalid Test:** A test that was completed by the student but was not administered according to required test administration policies or procedures. The invalid reasons include:
 - **Invalid Return of Materials (Multiple Answer Documents OR Late Returns):** For paper/pencil tests, either multiple answer documents were received for the student or materials were returned after the materials return deadline.
 - **Misadministration:** The test was not administered according to required test administration policies and procedures. Examples of this type of invalidation include, but are not limited to: test directions not read verbatim during testing; students were able to view content-related materials in the classroom during testing; or the testing environment was not conducive to testing or was not appropriate for the test session.
 - **Missing MSDS data:** Data in the Michigan Student Data System is missing.
 - **Nonstandard Accommodation:** The student received an accommodation during testing that is not allowed. For example, a student who tested in grades 3-5 with any type of calculator has received a nonstandard accommodation because this accommodation changes what is being assessed in the test.
 - **Not Tested in Enrolled Grade (Out of Level):** The student’s enrolled grade in MSDS does not match the grade-level test taken.
 - **Prohibited Behavior:** The student engaged in not-allowable behavior during the test session. This may include, but is not limited to: disruptions during testing, accessing prohibited electronic devices, or cheating.
 - **Test Not Attempted:** The student did not take the test or did not complete a sufficient portion of the test to receive a score.
- **Item:** A test question or stimulus presented to a student to elicit a response.
- **Lower quartile:** In the Science Summary report, 25 percent of all scores in the aggregate group fall below the lower quartile.

- **Margin of Error:** Educational measurements are attempts to capture a student’s true score, or ability, in the area being assessed. The margin of error around the student score is an estimate of the range of scores one would expect if the student was to be measured repeatedly with parallel assessments.
- **Mean Scale Score:** The mean scale score for a group of students is determined by summing the valid scale scores across that group (within a grade and content area) and dividing by the number of valid scores used for the summed total.
- **Mean:** The average raw score percentage of points earned for the aggregate group.
- **Median:** The median is the middle quartile (50 percent) and marks the midpoint of the data displayed for the aggregate group.
- **Michigan’s Academic Standards:** The standards outline learning expectations for Michigan students and are intended to guide local curriculum development. They should be used as a framework by schools for curriculum development, with the curriculum itself prescribing instructional resources, methods, progressions, and additional knowledge valued by the local community.
- **Performance Level:** This provides descriptive information about the student’s performance on the M-STEP:
 - **Not Proficient** The student’s performance is not yet proficient and indicates minimal understanding and application of key academic content standards defined for Michigan students. The student needs intensive intervention and support to improve achievement.
 - **Partially Proficient** The student’s performance is not yet proficient, indicating a partial understanding and application of key academic content standards defined for Michigan students. The student needs assistance to improve achievement.
 - **Proficient** The student’s performance indicates understanding and application of key academic content standards defined for Michigan students. The student needs continued support to maintain and improve proficiency.
 - **Advanced** The student’s performance exceeds academic content standards and indicates substantial understanding and application of key concepts defined for Michigan students. The student needs support to continue to excel.
- **Raw Score:** Points earned/total points possible. Raw scores are not comparable across different forms of the test.
- **Scale Score:** Scale scores are test scores that have been statistically adjusted to a common scale that allows scores to be compared across different forms of the test.
- **Upper quartile:** On the Science Summary Report, 75 percent of all scores in the aggregate group fall below the upper quartile.
- **Whiskers:** The upper and lower whiskers represent scores outside of the interquartile range. Scores in the upper “whisker” represent quartile four – scores observed in the highest 25 percent of scores in the aggregate group. Scores in the lower “whisker” represent quartile one – scores observed in the lowest 25 percent of scores in the aggregate group.

Section 9: Contact Information

School administrators, teachers, and counselors should become familiar with the report layouts and information contained in this document. If you have questions after reviewing this Interpretive Guide to Reports, or need additional information about administration procedures, content, scheduling, and/or appropriate assessment of or accommodations for students with disabilities or English Learners (ELs), contact the Michigan Department of Education Office of Educational Assessment and Accountability (OEAA), using the contact information listed below.

Office of Educational Assessment and Accountability

Andrew Middlestead, Director, OEAA

Kate Cermak, Manager, Test Administration and Reporting

Pietro Semifero, Manager, Online Assessment

Phoebe Gohs, M-STEP Administration and Reporting Consultant

Steven Reed, MME Test Administration and Reporting Consultant

John Jaquith, Manager, Test Development

Susan Palmiter, Social Studies Consultant

Tamara Smolek, Science Consultant

Jennifer Paul, English Learner and Accessibility Assessment Specialist

Ji Zeng, Ph.D., Lead Psychometrician, Psychometrics

Phone: 1-877-560-8378, option 3

Fax: 517-335-1186

Website: www.michigan.gov/mstep

E-mail: mde-oeaa@michigan.gov

Section 10: Change Log

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November 1, 2019: Added the following reports

- Student Growth and Proficiency Report - page 34
- Science Field Test Individual Student Report - page 37
- Science Field Test Summary Report - page 46

Appendix B.4 M-STEP Student Data File Format

M-STEP Student Data File Format

The downloaded file containing student test scores is a Comma Delimited File (CSV) with the following fields in order:

Please note: fields containing “Reporting Level” information are referring to Claims for ELA/Math and Disciplines for Science/Social Studies.

Excel Column	Field	Descriptor	Field Type (length)	Format
A	TestCycleID	M-STEP test period and fiscal year	text(20)	
B	ISDCode	ISD code number	varchar(5)	99999
C	DistrictCode	District code number	varchar(5)	99999
D	SchoolCode	School code number	varchar(5)	99999
E	Grade	Student grade	varchar(2)	99
F	LastName	Student last name	varchar(25)	
G	FirstName	Student first name	varchar(25)	
H	MiddleInitial	Student middle initial	char(1)	9
I	Gender	Student’s gender M = Male, F = Female	char(1)	9
J	Ethnicity	Student’s ethnic code 0 = Native Hawaiian or Other Pacific Islander 1 = American Indian or Alaska Native 3 = Black or African American 4 = Hispanic or Latino 5 = White 6 = Two or more Races 9 = Asian	int(1)	9
K	UIC	Student UIC	char(10)	9999999999
L	StudentNumber	Student number from local school district	varchar(20)	
M	BirthDate	Student’s date of birth	datetime(8)	mm/dd/yyyy
N	Barcode	Student’s barcode number	varchar(10)	9999999999
O	ED	Economically disadvantaged Y = Yes, N = No	char(1)	9
P	EL	English learner Y = Yes, N = No	char(1)	9
Q	FEL	Former English learner Y = Yes, N = No	char(1)	9
R	FosterCare	Student is in foster care Y = Yes, N = No	char(1)	9
S	Homeless	Homeless student Y = Yes, N = No	char(1)	9

Excel Column	Field	Descriptor	Field Type (length)	Format
T	HomeSchooled	Homeschooled Y = Yes, N = No <i>Note: If a student is homeschooled in any subject then a student is considered homeschooled.</i>	char(1)	9
U	MS	Migrant status Y = Yes, N = No	char(1)	9
V	MilitaryConnected	MilitaryConnected Y = Yes, N = No	char(1)	9
W	SE	Special education Y = Yes, N = No	char(1)	9
X	ContentArea	Content Area MA = Math SC = Science (<i>not reported for 2018</i>) SS = Social studies EL = ELA	varchar(2)	99
Y	Online	Online Y = Yes, N = No	char(1)	9
Z	Valid	Valid Y = Yes, N = No	char(1)	9
AA	OutOfLevel	Student was tested out of level Y = Yes, N = No	char(1)	9
AB	Attemptedness	Attempted Y = Yes, N = No	char(1)	9
AC	ProhibitedBehavior	Prohibited behavior Y = Yes, N = No	char(1)	9
AD	Misadministration	Assessment misadministration Y = Yes, N = No	char(1)	9
AE	NonstandardAccommodation	Nonstandard accommodation used Y = Yes, N = No	char(1)	9
AF	InvalidReasonCode	1= Not found in MSDS 5 = Multiple Answer Documents Returned 6 = Late Return 7 = Misadministration 8 = Did not meet attemptedness	varchar(1)	99
AG	StandardAccommodation	Standard accommodation used Y = Yes, N = No	char(1)	9

Excel Column	Field	Descriptor	Field Type (length)	Format
AH	ReportingCode	Reporting code if provided by school	varchar(4)	9999
AI	ReportingCodeLabel	Reporting code label if provided by school	varchar(25)	
AJ	ResearchCode1	Research use code 1 Values 01-10 if provided by school	varchar(2)	99
AK	ResearchCode2	Research use code 2 Values 01-10 if provided by school	varchar(2)	99
AL	FormFixed	Fixed test form <i>Note: Says "CAT" for CAT tests</i>	varchar(4)	9999
AM	SS	Scale score	int(4)	9999
AN	SSSE	Scale score standard error	int(3)	999
AO	PL	Performance level 4 = Advanced proficient 3 = Proficient 2 = Partially proficient 1 = Not proficient	varchar(1)	9
AP	GrowthScore	Growth score <i>Note: NA possible</i>	varchar(2)	99
AQ	GrowthTarget	Growth target <i>Note: NA possible</i>	varchar(2)	99
AR	TargetTimeframe	Target timeframe (years) <i>Note: NA possible</i>	varchar(2)	99
AS	TotalPts	Raw-score total points <i>Note: NA for ELA and Math</i>	varchar(3)	999
AT	ReportingLevel1Code	Reporting level 1 code	varchar(10)	
AU	ReportingLevel1Description	Reporting level 1 description	varchar(100)	
AV	ReportingLevel1SS	Reporting level 1 scale score <i>Note: NA for social studies</i>	varchar(4)	9999
AW	ReportingLevel1SSSE	Reporting level 1 scale score standard error <i>Note: NA for social studies</i>	varchar(3)	999
AX	ReportingLevel1PerIndicator	Reporting level 1 performance indicator: 3 = Adequate progress 2 = Attention may be indicated 1 = Most at risk of falling behind <i>Note: NA for social studies</i>	varchar(2)	99

Excel Column	Field	Descriptor	Field Type (length)	Format
AY	ReportingLevel1Pts	Reporting level 1 raw score points <i>Note: NA for ELA and Math</i>	varchar(2)	99
AZ	ReportingLevel1PtsPossible	Reporting level 1 raw score points possible <i>Note: NA for ELA and Math</i>	varchar(2)	99
BA	ReportingLevel1PctCorrect	Reporting level 1 percent correct <i>Note: NA for ELA and Math</i>	varchar(5)	999.9
BB	ReportingLevel2Code	Reporting level 2 code	varchar(10)	
BC	ReportingLevel2Description	Reporting level 2 description	varchar(100)	
BD	ReportingLevel2SS	Reporting level 2 scale score <i>Note: NA for social studies</i>	varchar(4)	9999
BE	ReportingLevel2SSSE	Reporting level 2 scale score standard error <i>Note: NA for social studies</i>	varchar(3)	999
BF	ReportingLevel2PerIndicator	Reporting level 2 performance indicator 3 = Adequate progress 2 = Attention may be indicated 1 = Most at risk of falling behind <i>Note: NA for social studies</i>	varchar(2)	
BG	ReportingLevel2Pts	Reporting level 2 raw score points <i>Note: NA for ELA and Math</i>	varchar(2)	99
BH	ReportingLevel2PtsPossible	Reporting level 2 raw score points possible <i>Note: NA for ELA and Math</i>	varchar(2)	99
BI	ReportingLevel2PctCorrect	Reporting level 2 percent correct <i>Note: NA for ELA and Math</i>	varchar(5)	999.9
BJ	ReportingLevel3Code	Reporting level 3 code	varchar(10)	
BK	ReportingLevel3Description	Reporting level 3 description	varchar(100)	
BL	ReportingLevel3SS	Reporting level 3 scale score <i>Note: NA for social studies</i>	varchar(4)	9999
BM	ReportingLevel3SSSE	Reporting level 3 scale score standard error <i>Note: NA for social studies</i>	varchar(3)	999

Excel Column	Field	Descriptor	Field Type (length)	Format
BN	ReportingLevel3PerfIndicator	Reporting level 3 performance indicator 3 = Adequate progress 2 = Attention may be indicated 1 = Most at risk of falling behind <i>Note: NA for social studies</i>	varchar(2)	99
BO	ReportingLevel3Pts	Reporting level 3 raw score points <i>Note: NA for ELA and Math</i>	varchar(2)	99
BP	ReportingLevel3PtsPossible	Reporting level 3 raw score points possible <i>Note: NA for ELA and Math</i>	varchar(2)	99
BQ	ReportingLevel3PctCorrect	Reporting level 3 percent correct <i>Note: NA for ELA and Math</i>	varchar(5)	999.9
BR	ReportingLevel4Code	Reporting level 4 code	varchar(10)	
BS	ReportingLevel4Description	Reporting level 4 description	varchar(100)	
BT	ReportingLevel4SS	Reporting level 4 scale score <i>Note: NA for social studies</i>	varchar(4)	9999
BU	ReportingLevel4SSSE	Reporting level 4 scale score standard error <i>Note: NA for social studies</i>	varchar(3)	999
BV	ReportingLevel4PerfIndicator	Reporting level 4 performance indicator 3 = Adequate progress 2 = Attention may be indicated 1 = Most at risk of falling behind <i>Note: NA for social studies</i>	varchar(2)	99
BW	ReportingLevel4Pts	Reporting level 4 raw score points <i>Note: NA for ELA and Math</i>	varchar(2)	99
BX	ReportingLevel4PtsPossible	Reporting level 4 raw score points possible <i>Note: NA for ELA and Math</i>	varchar(2)	99
BY	ReportingLevel4PctCorrect	Reporting level 4 percent correct <i>Note: NA for ELA and Math</i>	varchar(5)	999.9
BZ	ReportingLevel5Code	Reporting level 5 code	varchar(10)	
CA	ReportingLevel5Description	Reporting level 5 description	varchar(100)	

Excel Column	Field	Descriptor	Field Type (length)	Format
CB	ReportingLevel5SS	Reporting level 5 scale score <i>Note: NA for social studies</i>	varchar(4)	9999
CC	ReportingLevel5SSSE	Reporting level 5 scale score standard error <i>Note: NA for social studies</i>	varchar(3)	99
CD	ReportingLevel5PerfIndicator	Reporting level 5 performance indicator 3 = Adequate progress 2 = Attention may be indicated 1 = Most at risk of falling behind <i>Note: NA for social studies</i>	varchar(2)	99
CE	ReportingLevel5Pts	Reporting level 5 raw score points <i>Note: NA for ELA and Math</i>	varchar(2)	99
CF	ReportingLevel5PtsPossible	Reporting level 5 raw score points possible <i>Note: NA for ELA and Math</i>	varchar(2)	99
CG	ReportingLevel5PctCorrect	Reporting level 5 percent correct <i>Note: NA for ELA and Math</i>	varchar(5)	999.9
CH	ReportingLevel6Code	Reporting level 6 code	varchar(10)	
CI	ReportingLevel6Description	Reporting level 6 description	varchar(100)	
CJ	ReportingLevel6SS	Reporting level 6 scale score <i>Note: NA for social studies</i>	varchar(4)	9999
CK	ReportingLevel6SSSE	Reporting level 6 scale score standard error <i>Note: NA for social studies</i>	varchar(3)	99
CL	ReportingLevel6PerfIndicator	Reporting level 6 performance indicator 3 = Adequate progress 2 = Attention may be indicated 1 = Most at risk of falling behind <i>Note: NA for social studies</i>	varchar(2)	99
CM	ReportingLevel6Pts	Reporting level 6 raw score points <i>Note: NA for ELA and Math</i>	varchar(2)	99
CN	ReportingLevel6PtsPossible	Reporting level 6 raw score points possible <i>Note: NA for ELA and Math</i>	varchar(2)	99

Excel Column	Field	Descriptor	Field Type (length)	Format
CO	ReportingLevel6PctCorrect	Reporting level 6 percent correct <i>Note: NA for ELA and Math</i>	varchar(5)	999.9
CP	ReportingLevel7Code	Reporting level 7 code	varchar(10)	
CQ	ReportingLevel7Description	Reporting level 7 description	varchar(100)	
CR	ReportingLevel7SS	Reporting level 7 scale score <i>Note: NA for social studies</i>	varchar(4)	9999
CS	ReportingLevel7SSSE	Reporting level 7 scale score standard error <i>Note: NA for social studies</i>	varchar(3)	999
CT	ReportingLevel7PerfIndicator	Reporting level 7 performance indicator 3 = Adequate progress 2 = Attention may be indicated 1 = Most at risk of falling behind <i>Note: NA for social studies</i>	varchar(2)	99
CU	ReportingLevel7Pts	Reporting level 7 raw score points <i>Note: NA for ELA and Math</i>	varchar(2)	99
CV	ReportingLevel7PtsPossible	Reporting level 7 raw score points possible <i>Note: NA for ELA and Math</i>	varchar(2)	99
CW	ReportingLevel7PctCorrect	Reporting level 7 percent correct <i>Note: NA for ELA and Math</i>	varchar(5)	999.9
CX	EssayPtsEarned	Essay raw score points Condition Codes: B = Blank I = Insufficient L = Nonscorable Language T = Off Topic M = Off Purpose	varchar(2)	99
CY	EssayPtsPossible	Essay points possible	int(2)	99
CZ	CreatedDate	Student data file creation date	datetime(16)	mm/dd/yyyy hh:mm

Modification Log:

1. Initial version created 7/25/16
2. Formatting updated 8/1/16
3. Changed column R, LEP (Limited English proficient), to EL (English learner) 6/19/17

4. Field Type (length) updated to varchar(100) for the following Reporting Level Description fields:
AS, BA, BI, BQ, BY, CG, CO; 6/19/17
5. Removed "Spring 2016" from document title 6/19/17
6. Changed document title to "Spring 2018 M-STEP Student Data File Format" 8/2/18
7. Removed the following fields 8/2/18
 - a. FeederSchoolCode
 - b. Unused
 - c. FormPTask
 - d. PTPts
 - e. EssayTypeCode
 - f. EssayTypeDescription
 - g. EssayRubric1Code
 - h. EssayRubric1Name
 - i. EssayRubric1Pts
 - j. EssayRubric1PtsPoss
 - k. EssayRubric2Code
 - l. EssayRubric2Name
 - m. EssayRubric2Pts
 - n. EssayRubric2PtsPoss
 - o. EssayRubric3Code
 - p. EssayRubric3Name
 - q. EssayRubric3Pts
 - r. EssayRubric3PtsPoss
8. Added the following fields 8/2/18
 - a. FEL (Q)
 - b. FosterCare (R)
 - c. MilitaryConnected (V)
 - d. ReportingCodeLabel (AI)
9. Demographics fields are now in alphabetical order 8/2/18
10. Field title of EssayTotalPts changed to EssayPtsEarned 8/2/18
11. Field title of EssayTotalPtsPoss changed to EssayPtsPossible 8/2/18
12. The Descriptor for the following fields have changed 8/2/18
 - a. EL
 - b. FEL
 - c. Homeless
 - d. HomeSchooled
 - e. MS
 - f. SE
 - g. Valid
 - h. OutOfLevel
 - i. Attemptedness
 - j. ProhibitedBehavior
 - k. Misadministration
 - l. NonstandardAccommodation

- m. StandardAccommodation
- n. EssayPtsEarned
- 13. Changed column AP, SGP (Student Growth percentile), to GrowthScore 7/11/19
- 14. Added following fields 7/11/19
 - a. GrowthTarget (AQ)
 - b. TargetTimeframe (AR)

Appendix B.5 M-STEP Aggregate Data File Format

M-STEP Aggregate Data File Format

The downloaded file containing M-STEP aggregate data is a Comma Delimited File (CSV) with the following fields in order:

Excel Column	Field	Descriptor	Field Type and Length
A	TestCycle	Test name and year	text(20)
B	ISDCode	ISD code	varchar(05)
C	ISDName	ISD name	varchar(50)
D	DistrictCode	District code	varchar(05)
E	DistrictName	District name	varchar(50)
F	SchoolCode	School code	varchar(05)
G	SchoolName	School name	varchar(50)
H	Grade	Tested grade	varchar(02)
I	Subject	English Language Arts Mathematics Science (<i>NA for 2018</i>) Social Studies	varchar(20)
J	SubGroupType	All Students Economically disadvantaged (ED) English learner (EL) Ethnicity Former English learner (FEL) Foster Care Gender Homeless Migrant (MS) Military Connected Standard Standard - EL	varchar(20)
K	DemographicSubGroup	All Students Female Male Students With Disabilities American Indian or Alaska Native Asian Black or African American Hispanic or Latino Native Hawaiian or Other Pacific Islander Two or More Races White <i>No (not used for All Students, Ethnicity, Gender)</i> <i>Yes (not used for All Students, Ethnicity, Gender)</i>	char(37)
L	AvgSS	Average scale score of selected group	integer
M	StdDev	Standard deviation of selected group	integer

Excel Column	Field	Descriptor	Field Type and Length
N	NotProficientN	Number of students not proficient in selected group	integer
O	NotProficientPct	Percent of students not proficient in selected group	decimal(8,1)
P	PartiallyProficientN	Number of students partially proficient in selected group	integer
Q	PartiallyProficientPct	Percent of students partially proficient in selected group	decimal(8,1)
R	ProficientN	Number of students proficient in selected group	integer
S	ProficientPct	Percent of students proficient in selected group	decimal(8,1)
T	AdvancedN	Number of students advanced in selected group	integer
U	AdvancedPct	Percent of students advanced in selected group	decimal(8,1)
V	MetStandardsN	Number of students who met standards in selected group	integer
W	MetStandardsPct	Percent of students who met standards in selected group	decimal(8,1)
X	DidNotMeetStandardsN	Number of students who did not meet standards in selected group	integer
Y	DisNotMeetStandardsPct	Percent of students who did not meet standards in selected group	decimal(8,1)
Z	NumberTestedN	Number of students tested in selected group	integer
AA	NumberIncludedN	Number of students included in selected group	integer

Modification Log:

1. Initial version created in December, 2015
2. Formatting revisions made 8/10/16
3. SubGroupType of Foster Care added 8/2018
4. SubGroupType of Military Connected added 8/2018