

Score Report Interpretation Guide

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for Computer-Based and Paper-Based Tests

Spring 2025

NM-MSSA Grades 3–8



NEW MEXICO MEASURES OF STUDENT SUCCESS AND ACHIEVEMENT

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Note: This manual is available online at https://newmexico.onlinehelp.cognia.org/reporting-resources/.



Content and Copyright Information

This manual was developed by CogniaTM under a contract with the New Mexico Public Education Department (PED) to develop, administer, score, and create reports for the New Mexico Measures of Student Success and Achievement. While the PED has reviewed this manual and posted it on its website, Cognia is responsible for the editorial and technical content.

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1.0 General Information for Families and Educators

1.1 Background

The New Mexico Measures of Student Success and Achievement (NM-MSSA) is the summative assessment in Language Arts, and Mathematics for students in grades 3–8 aligned to the New Mexico Common Core State Standards (NMCCSS) for math and language arts. The assessment measures a student's grade level proficiency and progress toward college and/or career readiness.

The NM-MSSA Spanish Language Arts Assessment for students in grades 3–8 is aligned to the Common Core Español Standards for Language Arts. The assessment measures a student's grade level proficiency and progress toward college and/or career readiness.

1.2 NM-MSSA

The NM-MSSA is designed to measure whether students are on track to be ready for college or career, as defined by the State, by showing they have mastered the NMCCSS.

The Spring 2025 NM-MSSA assessments were administered in either computer-based or paper-based format. The Reading assessment contained items that focused on understanding key ideas and details, analyzing elements of craft and structure, and integrating knowledge and ideas using informational and literary texts. The Writing and Language assessment contained items that focused on communicating clearly and effectively for a particular task and purpose, determining the meaning of grade-appropriate words, and applying conventions of standard English grammar, usage, and mechanics. The Mathematics assessment focused on understanding and applying skills and concepts, solving multi-step problems that require abstract reasoning, and modeling real-world problems with precision, perseverance, and strategic use of tools. In each content area, students demonstrated their acquired skills and knowledge by answering selected-response items, multi-select selected response items, and extended response items.

1.3 Confidentiality of Reporting Results

Individual student performance results on NM-MSSA assessments are confidential and may be released only in accordance with the Family Educational Rights and Privacy Act of 1974 (20 U.S.C. Section 1232g). Aggregated student performance data are made available to the public and do not contain the names of individual students or teachers.

1.4 Purpose of this Guide

This guide provides information on the individual student reports, school reports, and district reports provided for NM-MSSA assessment results. <u>Section 2.0</u>, which outlines and explains elements of the individual student report, may be shared with families. This section will help families understand their child's test results. <u>"3.0 Understanding the NM-MSSA School and District Reports" on page 7</u> outlines and explains elements of the school and district reports. New Mexico state policies and calculations for accountability reporting may differ from the policies and calculations used for assessment reports.

Sample reports included in this guide are for illustration purposes only. They are provided to show the basic layout of the reports and the information they provide. Sample reports do not include actual data from any administration.

2.0 Understanding the NM-MSSA Individual Student Report (ISR)

2.1 Types of Scores on the NM-MSSA ISR

Student performance on NM-MSSA assessments is described on the individual student report using the interim scale scores, performance levels, standard error, and subclaim performance indicators.

2.1.1 Scale Score

A scale score is a numerical value that summarizes student performance. Not all students respond to the same set of test items, so each student's scaled score accounts for the slight differences in difficulty among the various forms and administrations of the test. The resulting scale score allows for an appropriate comparison across test forms and administration years within a grade or course and content area. NM-MSSA reports provide overall scale scores for Language Arts and Mathematics, each of which determines a student's performance level in the respective content area. Scale score ranges differ by grade for all tests.

For example, a student who earns an overall scale score of 800 on one form of the grade 8 Mathematics assessment would be expected to earn an overall scale score of 800 on any other form of the grade 8 Mathematics assessment. Furthermore, the student's overall scale score and level of mastery of concepts and skills would be comparable to a student who took the same assessment the previous year or following year.

2.1.2 Performance Level

Each performance level is a broad, categorical level defined by a student's overall scale score and is used to report overall student performance by describing how well students met the expectations for their grade level/course. Each performance level is defined by a range of overall scale scores for each subject. There are four performance levels for NM-MSSA assessments:

- Level 4: Advanced
- Level 3: Proficient
- Level 2: Nearing Proficiency
- Level 1: Novice

Students who are Proficient or Advanced display mastery of grade-level expectations. They display satisfactory or thorough understanding and use of college- and career-readiness standards.

Performance Level Descriptors (PLDs) describe the knowledge, skills, and practices that students should know and be able to demonstrate at each performance level in each content area (Language Arts and Mathematics), and at each grade level/course.

Web links to the PLDs are listed in <u>"Appendix B: Performance Level Descriptors" on page 13</u>.

2.1.3 Reporting Category Performance Indicators

Reporting category performance for NM-MSSA assessments is reported to indicate whether the student performed above standard, at/near standard, and below standard in a given reporting category.

2.2 Description of Individual Student Reports

The following pages show examples of student reports. The text below describes what the information represents.

General Information

A Identification Information

The ISR lists the student's name, state student ID, date of birth, language in which the student tested, the grade level of the test, the grade level of the student when assessed, the district name, and the school name.

B Family Letter

This letter, written by Secretary of Public Education Mariana Padilla, explains how this report was created for this school year. There is information here to guide families to more assessment literacy resources.

Overall Assessment Scores for Each Content Area

C Overall Scale Score and Performance Level This section of the report provides the student's overall scale score and performance level for each assessment taken (refer to Section 2.1). Students receive an overall scale score and, based on that score, are placed in one of four performance levels, with Level 3 indicating the student is on target and Level 1 indicating the student needs support.

Lexile and Quantile

For English Language Arts a Lexile score is provided. Additional resources can be accessed using the QR code or at lexile.com/parents-students/

For Mathematics a Quantile score is provided. Additional resources can be accessed using the QR code or at quantiles.com/parents-students/

Performance by Reporting Category

Reporting Category

Within NM-MSSA there are specific skill sets (reporting categories) students demonstrate on the assessments. Each reporting category includes the header identifying the reporting category, a raw score indicating the number of points earned out of the total points possible, and an explanation of whether the student has met the expectations of the reporting category.

Reporting Category Performance Indicators

A student's reporting category performance indicator represents how well the student performed in that category.

Reporting category performance indicators are:

- Above Standard
- At/Near Standard
- Below Standard

G Individual Test Question Performance

This section provides the number of points the student earned for each test question and which Reporting Category the question represents.

Comparison to the School, District, and State

Achievement Levels

This lists the four performance levels and provides a brief description of each.

Scale Score Range

Indicates the highest and lowest scale score for each performance level

Peer Comparison

This section of the report shows a side-by-side comparison of a student's overall scale score with the average scale score of their peers in their school, in their district, and in the state.

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New Mexico Mea	sures of		LASTNAME456, FIRST D00456	456
Student Succes	ss and	A Date of Birth:		
Achievement (NN	/-MSSA)	Tested Grade: Student Grade:	05	
			Demonstration Distri	ct A
Spring 2025 Studer	nt Report	School:	Demonstration Schoo	bl 3
ear Parents and Guardians, 🛛 🔒				
hank you for your continued partnership with heir identity, and holistically prepared for colle		ducation Department (PED)) to ensure all students	are healthy, secure in
his Individual Score Report describes your stu Mathematics. The report is designed to give te rade-level content standards and instruction. ith other information received from your stud our student, such as growth trends and specia ttps://nmparentportal.emetric.net/login. The	eachers and families a snap The PED reminds families dent's school for a more co fic areas of opportunity, ca	whot of where your studen that these results reflect a comprehensive look at their on be found at the online fa	t finished the 2024-25 single measure and sh progress. Additional re amily portal at	school year relative to ould be supplemented esources to support
ontact the Cognia Help Desk at <u>nmtechsuppo</u>		your student is located ab		cosing this portai,
you have specific questions about your stude chool. The Family Report Interpretation Guide nline at <u>Family Resources for Student Repo</u>	which provides additiona	l information for families a		
he PED appreciates your partnership in suppo	orting your student's educa	ational success.		
Mariana Dradilla				THE STATE OF
Iariana D. Padilla ecretary of Public Education, New Mexico Pub	olic Education Department		NEW MEXICC	5
ow did your student do on the New Mexic pels, and Achievement Level Descriptors t cessary. Your student's teacher can help	to determine how well y	our student has done an	d whether additiona	l support may be
		5	in next steps for your	student.
LANGUAGE ARTS	Your student's	MATHEN		Your student's
	Lexile score: 670L			
	Lexile score: 670L	MATHEN	MATICS	Your student's Quantile score:
LANGUAGE ARTS	Lexile score: 670L		MATICS 58	Your student's Quantile score: 845Q
LANGUAGE ARTS C 531 Novice	Lexile score: 670L	MATHEN 56 Profic	MATICS 58	Your student's Quantile score: 845Q
LANGUAGE ARTS C 531 Novice	Lexile score: 670L	MATHEN 56 Profic Confidence bar	MATICS 58	Your student's Quantile score: 845Q
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First456's Langua	age Arts Perforn	nance	by Reporti	-							
			E		s Earne s Possil		ıbdoma	in Indica	tor F		
Text type - Litera	ry Text (LT)			3	8 / 15	Be	low Sta	ndard			
Text type - Infor	mational Text (I	T)			2 / 8	Be	low Sta	ndard			
Reading Strategy	- Comprehensi	on (Cl	VI)	3	8 / 12	Be	low Sta	ndard			
Reading Strategy (AI)	- Analysis and	Interp	retation	2	2 / 11	Be	elow Sta	ndard			
Writing Analysis (WL)	and Language (Conver	ntions	3	8 / 14	Be	low Sta	ndard			
Key: x / y = x points ea	rned out of y possible	points									
		G	Individua	l Test	Ques	tions					
Report Reporting Reading Points Equence Category Strategy Painted	Report Reporting Reading Sequence Category Strategy	Earned S		tegy Earned	Sequence (eporting Reading Category Strateg	y Earned				
02 LT CM 0/1 04 LT CM 0/1	28 LT AI 29 LT AI	0/2 0/1		- 0/1 - 0/1	71 UC Key:		1/3				
08 LT CM 0/1 09 LT AI 1/1	34 IT CM 36 IT CM	0/1 1/1		- 0/1 - 0/1	Points Ear	ned: points earned of	out of y poss	ible points			
10 LT AI 0/1	37 IT CM	1/1	60 WL	- 1/2	Blank space	e = no answer tot Applicable					
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16 LT CM 0/1 19 LT CM 1/1	41 IT CM 45 IT AI	0/1 0/2		- 1/1 - 1/1				ess the Student	Response Grid G	iide:	
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Reading	525				(
Scale Score				500					Writing &		
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Writing & Language Scale Score									the table b		·
Scale Score 50	00			590	C)
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CHIEVEMENT LEVELS		ling of b		SCALE S	LUKE RI	ANGE					
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Proficient – Students shown terpret and analyze texts, or a task and purpose.				560 -	- 572						
learing Proficiency – Stunterpret and analyze texts, or a task and purpose.				543 -	- 559					J	
lovice – Students show e nd analyze texts, use lang nd purpose.				500 ·	- 542		531		547	553	
				1		S	STUDENT SCORE	SCHOOL AVG.	DISTRICT AVG.	STATE AVG.	
							SCORE	AVG.	AVG.	AVG.	

First456's Mathematics Performance by Reporting	Category	
	Points Earned / Points Possible	Subdomain Indicator
Operations & Algebraic Thinking (OA)	5 / 5	Above Standard
Number & Operations in Base Ten/Number & Operations - Fractions (NO)	16 / 26	Above Standard
Measurement & Data/Geometry (MG)	9/18	At/Near Standard
Problem Solving/Reasoning & Argument (PR)	13 / 23	Above Standard
Modeling/Structure & Repeated Reasoning (MS)	13 / 21	At/Near Standard

Key: x / y = x points earned out of y possible points

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Individual Test Questions

	Reporting Category		Points Earned																
01	OA	PR	1/1	12	NO	PR	1/1	24	NO	-	1/1	35	MG	MS	0/1	46	MG	PR	1/1
02	OA	PR	1/1	13	NO	PR	0/1	25	NO	PR	1/1	36	MG	MS	0/1	47	MG	MS	0/1
03	OA	MS	1/1	14	NO	PR	1/1	26	NO	PR	0/1	37	MG	MS	0/1	48	MG	MS	1/1
04	OA	MS	1/1	15	NO	-	0/1	27	NO	MS	1/1	38	MG	PR	0/1	49	MG	-	0/2
05	OA	MS	1/1	16	NO	PR	1/1	28	NO	MS	1/1	39	MG	PR	1/1	50	-	PR	0/1
06	NO	PR	0/1	17	NO	PR	0/1	29	NO	MS	1/1	40	MG	MS	1/1				
07	NO	PR	1/1	18	NO	-	1/1	30	NO	PR	0/1	41	MG	MS	1/1				
08	NO	PR	0/1	19	NO	PR	1/1	31	NO	PR	1/1	42	MG	MS	1/1				
09	NO	MS	0/1	20	NO	PR	1/1	32	NO	PR	0/1	43	MG	MS	0/1				
10	NO	-	2/2	21	NO	PR	0/1	33	MG	MS	1/1	44	MG	MS	1/1				
11	-	MS	0/1	22	NO	PR	1/1	34	MG	MS	0/1	45	MG	MS	1/1				

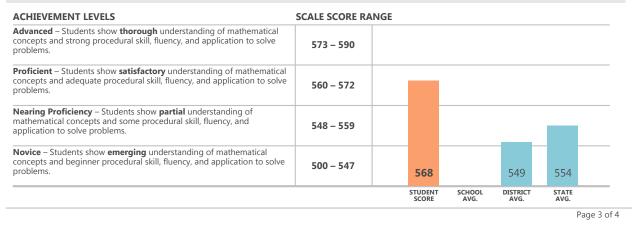
To interpret the chart, go online to access the Student Response Grid Guide:

Key: Points Earned: x / y = x points earned out of y possible points Blank space = no answer

 – = Not Applicable
 PW = Production of Writing UC = Use of Conventions

COMPARISON to the SCHOOL, DISTRICT, and STATE

ehelp.cognia.org/reporting-resources/#item-analysis-report.



3.0 Understanding the NM-MSSA School and District Reports

3.1 Purpose and Use of NM-MSSA Results

The NM-MSSA is New Mexico's statewide summative assessment for Language Arts and Mathematics, administered at the end of grades 3–8. As the NM-MSSA are singular measures at the end of a grade, interpretations and uses of NM-MSSA scores should be supplemented with additional measures, including information from classroom summative and formative assessments in Language Arts and Mathematics, as well as interim assessments.

3.2 NM-MSSA School and District Reports

Districts and schools will have access to digital ISRs and a dynamic, customizable grade-level Student List in the Data Interaction reporting platform. The Student List can be customized by adding or removing data fields and by sorting and filtering selected data fields.

Data tools can be used to summarize scores and review score distributions for the whole group or disaggregate scores by subgroups. Bivariate analyses, both cross-tab and scatterplot, can be used to explore the relationship between scores.

ISRs and the Student List can be downloaded in a variety of formats for printing, presentations, or uploading into other analysis tools. Performance on NM-MSSA assessments is described on the school and district reports using scale scores, performance levels, and reporting category performance levels.

3.3 Types of Scores on the NM-MSSA School and District Reports

Performance on NM-MSSA assessments is described on the school and district reports using scale scores, performance levels, and reporting category performance indicators. Information about state, district, and school average results is included in relevant sections of the report to help schools and districts understand how student and school performance compares to other students and schools. In some instances, a dash (–) will appear in place of average results for a school and/or district. This indicates that there are too few students to maintain student privacy and, therefore, results are not reported.

3.3.1 Scale Score

A scale score is a numerical value that summarizes student performance. Not all students respond to the same set of test items, so each student's scale score takes into account the slight differences in difficulty among the various forms of the test. The scale score allows for an appropriate comparison across test forms and administration years within a grade or course and content area. This year, NM-MSSA reports provide overall scale scores for Language Arts and Mathematics, each of which determines a student's performance level in the respective content area. You can reference the NM-MSSA scale score ranges in a table that appears on page 12.

For example, a student who earns an overall scale score of 800 on one form of the grade 8 Mathematics assessment would be expected to earn an overall scale score of 800 on any other form of the grade 8 Mathematics assessment. Furthermore, the student's overall scale score and level of mastery of concepts and skills would be comparable to a student who took the same assessment the previous year or following year.

3.3.2 Performance Level

Each performance level is a broad, categorical level defined by a student's overall scale score and is used to report overall student performance by describing how well students met the expectations for their grade level/course in the given content area. Each performance level is defined by a range of overall scale scores for the assessment. This year, there are four performance levels for NM-MSSA assessments:

- Level 4: Advanced
- Level 3: Proficient
- Level 2: Nearing Proficiency
- Level 1: Novice

Performance Level Descriptors (PLDs) describe the knowledge, skills, and practices that students should know and be able to demonstrate at each performance level in each content area (Language Arts and Mathematics), and at each grade level/course.

Web links to the PLDs are listed in "Appendix B: Performance Level Descriptors" on page 13.

3.3.3 Reporting Category Performance Indicators

Reporting category performance for NM-MSSA assessments is reported to indicate whether the student performed above standard, at/near standard, and below standard in a given reporting category.

3.4 Description of The Student List and Summary Statistics

The following pages show examples of student reports. The text below describes what the information represents.

General Information

Assessment Information

The Student List displays the assessment, state, year, and the grade level.

Identification Information

The first column of the Student List displays the students in the school by last name. The students' first names and State Student IDs are shown in the next two columns.

Overall Assessment Scores

🧿 Scale Score

This column provides the student's overall scale score. Students receive a numerical score and, based on that score, are placed in one of four achievement levels.

Achievement Levels

This column provides the student's performance levels of Advanced, Proficient, Nearing Proficiency, or Novice.

Report Functionality

Options

The options menu provides the capability to customize the Student List report. Student demographic fields and score data can be added or removed from the report. Additional scores can also be added or removed. This includes subject level scale scores and subclaim achievement levels.

🔋 Save

Each report and the current selections can be saved in Data Interaction, allowing the user to conveniently retrieve the report at a later date. Saved reports can be retrieved by clicking on the Save icon.

🗿 Download

Tabular reports can be downloaded as an excel, CSV or PDF file by clicking on the Download icon. Charts can be downloaded as PDFs.

🕕 Help

A detailed user guide is available by selecting the Help icon.

🕛 Student ISR

The ISR for each student in the Student List Report can be viewed by clicking on the Student icon.

Performance by Reporting Category

Reporting Category

Within NM-MSSA, there are specific skill sets (reporting categories) students demonstrate on the assessments. Each reporting category includes the header identifying the reporting category; state, district, and school averages; and an indicator of the student's performance.

Summary Statistics

Click on Scale Score > Summarize on the Student List page to view summary statistics for the selected organization.

🕓 Population

This count includes both valid and invalid students.

🕛 Valid N

This count includes only valid student records.

W Summary Statistics

These statistics include mean, standard deviation and the minimum and maximum of the selected score.

Recent Reports

Recently generated reports can be viewed, within the session.

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NEW MEXICO					•	© n	eMetric 🗸
← Buck to New Morico Portal Student List: MSSA, New Mexico State, 2024-2025, Spring, Grade 03	kate, 2024-2025, Spring, Grade 03	⊲			*	1 Total Sector	
(0	Language Arts		Mathematics	Θ
B Last Name	First Name	State Student ID	Scale Score	Achievement Level	Scale Score	Achievement Level	
L Name	F Name	123456789	371	Advanced	358	Nearing Proficiency	
L Name	F Name	123456789	357	Nearing Proficiency	358	Nearing Proficiency	
L Name	F Name	123456789	945	Nearing Proficiency	34	Nearing Proficiency	
L Name	f Name	123456789	389	Advanced	389	Advanced	
L Name	F Name	123456789	696	Proficient	346	Proficient	
L Name	F Name	123456789	368	Proficient	357	Nearing Proficiency	
L Name	F Name	123456789	375	Advanced	368	Proficient	
L Name	F Name	123456789	335	Nearing Proficiency	340	Novice	
L Name	F Name	123456789	74	Proficient	74	Proficient	
L Name	F Name	123456789	362	Proficient	344	Nearing Proficiency	
L Name	F Name	123456789	375	Advanced	362	Proficient	
L Name	F Name	123456789	371	Advanced	355	Nearing Proficiency	
L Name	F Name	123456789	660	Advanced	244	Proficient	
L Name	f Name	123456789	357	Nearing Proficiency	196	Proficient	
		Page 1 of 20	Jump to: 1	3			
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Select Options-> Additional Scores can be added or removed. This includes subject level scale scores and reporting category achievement levels.

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e Back to New Mexico Portal Student List: MSSA, New Mexico State, 2024-2025, Spring, Grade 03

NEW MEXICO a Duta Interaction

Writing Analysis and Language Conventions

Reading Strategy -Analysis and Interpretation

> Peading Strategy -Comprehension

Text type -Informational Text

Text type -Literary Text

Language Arts

Points Earned

Points Earned

Points Earned

Points Earned

Points

Achievement Level Advanced

State Student ID 123456789 123456789 123456789

> First Name F Name F Name F Name

Last Name

L Name L Name

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Nearing Proficiency Nearing Proficiency

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Sample Student List (Language Arts and Mathematics, and Summary Statistics)

Sample Student List (Language Arts and Mathematics, and Summary Statistics) continued

NEW VIENCO 👩 Data Interaction						- Generic
er Buck to New Mexico Portal Student List: MSSA, New Mexico State, 2024-2025, Spring, Grade 03	ce, 2024-2025, Spring, Grade O				*	A contract of the second secon
			2	Language Arts		Mathematics
Last Name	First Name	State Student ID	Scale Score	Achievement Level	Scale Score	Achievement Level
L Name	F Name	123456789	371	Advanced	358	Nearing Proficiency
L Name	F Name	123456789	357	Nearing Proficiency	358	Nearing Proficiency
L Name	F Name	123456789	349	Nearing Proficiency	344	Nearing Proficiency
L Name	F Name	123456789	2692	Advanced	389	Advanced
L Name	F Name	123456789	905	Proficient	346	Proficient
L Name	F Name	123456789	368	Proficient	357	Nearing Proficiency
L Name	F Name	123456789	375	Advanced	348	Proficient
L Name	f Name	123456789	338	Nearing Proficiency	340	Novice
L Name	F Name	123456789	364	Proficient	264	Proficient
L Name	F Name	123456789	362	Proficient	344	Nearing Proficiency
L Name	F Name	123456789	375	Advanced	362	Proficient
L Name	F Name	123456789	371	Advanced	355	Nearing Proficiency
L Name	F Name	123456789	607	Advanced	264	Proficient
L Name	F Name	123456789	357	Nearing Proficiency	361	Proficient
		Page 1 of 20	Jump tex	3		

NEW MEXICO on order electrical by Data Interaction-					Ť	(3) € N eMetric ▼
🖛 Back to New Mexico Portal Summary Statistics: MSSA, New Mexico State, 2024-2025, Spring, Grade 03					options save Downhoad	L E L L E L L L L L L L L L L L L L L L
Language Arts Scale Score	2	-	1		8	
Language Arts Test Language	Population	Valid N	Mean	S.D.	Minimum	Maximum
	67	0				
English	20452	20250	350.9	18.1	300	389
Spanish	856	840	339.4	15.8	300	380

Click on Scale Score->Summarize on the Student List page to view summary statistics such as mean, standard deviation, and the minimum and maximum score, for the selected organization.

Appendix A: Scale Score Ranges

			Scale Sco	ore Range	
Subject	Grade	Novice	Nearing Proficiency	Proficient	Advanced
Language Arts	3	300–335	336-359	360–369	370–390
	4	400–439	440–459	460–472	473–490
	5	500–542	543–559	560–572	573–590
	6	600–631	632–659	660–672	673–690
	7	700–730	731–759	760–774	775–790
	8	800-839	840-859	860-870	871–890
Mathematics	3	300–340	341–359	360–376	377–390
	4	400–443	444–459	460–479	480–490
	5	500–547	548–559	560–572	573–590
	6	600–645	646–659	660–678	679–690
	7	700–747	748–759	760–769	770–790
	8	800-840	841-859	860-877	878–890

Appendix B: Performance Level Descriptors

Grades 3–8 Language Arts and Mathematics

PLDs for grades 3-8 Language Arts and Mathematics are available at <u>https://webnew.ped.state.nm.us/bureaus/assessment/mssa-resources/</u>





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