

Kenai Peninsula Borough School District

Student Assessments/Graduation Results

2022-2023 School Year



Clayton Holland
Superintendent
February 2024

Table of Contents

Board Members	3
Districtwide Assessment Calendar	4
Benchmark Assessment Schedule	5
AK STAR	6
Alaska Science Assessment	7
ACCESS for ELLs	9
NWEA MAP Growth	11
AimswEBplus	13
Graduation Rate	18
Dropout Data	20
Transient Rate	21
ACT	22
SAT	23
Alaska Performance Scholarship.....	25
Appendix A	27
Appendix B	30
Appendix C	31

2022-2023

School Board Members

Debbie Cary -President
Zen Kelly -Vice President
Jason Tauriainen - Clerk
Penny Vadla -Treasurer
Beverley Romanin
Matt Morse
Patti Truesdell
Tim Daugharty
Virginia Morgan

Ashley Dahlman
Student Representative

Nikkol Sipes
Administrative Secretary

District Staff

Clayton Holland - Superintendent
Kari Dendurent - Assistant Superintendent
Nate Crabtree - Director of Human Resources
Elizabeth Hayes - Director of Finance
Terry Manning - Director of Pupil Services
Eric Pederson - Director of Elementary Education
Tony Graham - Director of Secondary Education

Each year, the Kenai Peninsula Borough School District assesses student achievement using a variety of measures. The Kenai Peninsula Borough School District administered the following assessments during the 2022-2023 school year:

2022-2023 Assessment Calendar - updated 10-21-22 cm											
	Assessment	August	September	October	November	December	January	February	March	April	May
FEDERAL	ACCEESS 2.0 English Language Proficiency Assessment	WIDA Screener - (Kindergarten students are screened in Listening and Speaking only)						Feb. 1 - Mar. 3 Grades K - 12		WIDA Screener - (Kindergarten students are screened in all domains)	
	NAEP Grade 4 & 8 Reading & Mathematics						Not a NAEP year				
STATE	Kindergarten Development Profile	Aug.. 22 - Sept. 19 (4 week observation window) Sept. 19 - Oct. 3 (data entry window)									
	AK STAR ELA/Math								Mar. 27 - Apr. 21 Grade 3 - 9		
	Alaska Science Assessment								Mar. 27 - Apr. 21 Grades 5, 8 & 10		
	Alternate Assessment Dynamic Learning Maps (DLM)								Mar. 20 - May 5 ELA & Math Grades 3 - 9 Science - Grades 5, 8, 10		
DISTRICT	iReady Math Diagnostic	Aug. 22 - Sept. 16 Grades K - 5*				Jan. 4 - Jan. 20 Grades K - 5*				April 24 - May 12 Grades K - 5*	
	AlmswebPLUS	Aug. 22 - Sept. 9 Grades K - 5				Dec. 5 - Jan. 13 Grades K - 5				Apr. 24 - May 12 Grades K - 5	
	NWEA MAP Growth	Aug. 22 - Sept. 9 Grades 3 -10				Dec. 5 - Jan. 13 Grades 3 - 10				Mar. 27 - Apr. 21 Grade 10	
	Common Quarterly Assessments (CQA)			ELA K-12		ELA K-12			ELA K-12		
	Surveys									Professional Practice Survey 3/8 - 3/10 *Teachers & Support Staff	
									School Climate and Mindset Survey 3/20 - 3/31 *Students		
* Charter schools not using iReady are exempt											

2022-2023

Benchmark Testing Schedule

KPBSD REQUIRED BENCHMARK TESTING SCHEDULE

Rev. 5-11-21 cm

ASSESSMENT NAME	FALL	WINTER	SPRING
KINDERGARTEN			
Aims Web Plus Early Literacy	LNF, LWSF	PS, LNF, LWSF	PS, LNF, LWSF
Aims Web Plus Early Numeracy	NNF, QTF	NNF, QTF	QTF, QDF
FIRST GRADE			
Aims Web Plus Early Literacy	PS, WRF, ORF	WRF, ORF	WRF, ORF
Aims Web Plus Early Numeracy	NCF-P, MFF-1D	MFF-1D, MFF-T	MFF-1D, MFF-T
SECOND GRADE			
Aims Web Plus Reading	ORF	ORF	ORF
Aims Web Plus Math	NCF-T, MCF, CA	NCF-T, MCF, CA	NCF-T, MCF, CA
THIRD GRADE			
Aims Web Plus Reading: ORF	✓	✓	✓
NWEA MAP Growth: Reading 2-5 AK 2012	✓	✓	✓
NWEA MAP Growth: Language 2-12 AK 2012	✓	✓	✓
NWEA MAP Growth: Math 2-5 AK 2012	✓	✓	✓
FOURTH GRADE			
Aims Web Plus Reading: ORF	✓	✓	✓
NWEA MAP Growth: Reading 2-5 AK 2012	✓	✓	✓
NWEA MAP Growth: Language 2-12 AK 2012	✓	✓	✓
NWEA MAP Growth: Math 2-5 AK 2012	✓	✓	✓
FIFTH GRADE			
Aims Web Plus Reading: ORF	✓	✓	✓
NWEA MAP Growth: Reading 2-5 AK 2012	✓	✓	✓
NWEA MAP Growth: Language 2-12 AK 2012	✓	✓	✓
NWEA MAP Growth: Math 2-5 AK 2012	✓	✓	✓
Grades 6, 7, 8, 9, 10			
NWEA MAP Growth: Reading 6+ AK 2012	✓	✓	✓
NWEA MAP Growth: Language 2-12 AK 2012	✓	✓	✓
NWEA MAP Math: Choices listed below and based on teacher/admin decision:	✓	✓	✓
NWEA MAP Growth: 6+ AK 2012			
NWEA MAP Algebra 1 CCSS 2010			
NWEA MAP Algebra 2 CCSS 2010			
NWEA MAP Growth: Geometry CCSS 2010			

2022-2023

Alaska's Balanced Assessment System – AK STAR and NWEA MAP Growth

The State of Alaska partnered with NWEA to create Alaska's summative assessment system called AK STAR. Students in grades 3-9 completed the AK STAR summative assessment once in the spring of 2022 and again the spring of 2023. Students also took assessments created by NWEA three times per year for KPBSD's district benchmarks called NWEA MAP Growth. Students in grades 3-10 took these assessments in the fall, winter, and spring.

NWEA MAP Growth is a norm-referenced assessment that shows what students are ready to learn next in reading, language usage, and math, and it measures students' growth over time. The assessments are independent of students' assigned grade level and are item adaptive. This means that students could see assessment questions that are above or below their assigned grade level dependent on how they answer the previous question. The results of the assessment not only display the students' zone of proximal development, but also provide a conditional growth percentile and a national percentile ranking which allows for comparison between Alaska's students and the nation's students who also have taken the MAP Growth assessments.

In contrast, the summative AK STAR assessment is criterion-referenced and measures grade level proficiency in English language arts and math. Students see grade-level questions only. The results categorize students into proficiency bands which state whether they are proficient or not on grade-level standards.

In the spring of 2023, the AK STAR assessment and the spring administration of NWEA MAP Growth were combined into one assessment yielding both criterion and norm-referenced data. Although the assessments went through rigorous alignment studies, a discrepancy was noticed between achievement categories on the AK STAR and national percentile rankings on NWEA MAP Growth assessments.

Alaska's Department of Education and Early Development (DEED) recruited stakeholders to review the cut scores and make a recommendation as to whether there should be an adjustment. This stakeholder group reviewed both the new AK STAR and the new Alaska Science Assessments' cut scores. The recommendation was that no adjustment was necessary for the science assessment, but adjustment was necessary for the AK STAR cut scores.

Due to the revision process, state, district, and school results for the 2023 AK STAR assessment will not be released to the public until April 17, 2024. Please see Appendices A & B for DEED's explanation of the review process.

2022-2023

Alaska Science Assessment

The Alaska Science Assessment is a criterion-referenced, summative assessment designed to measure a student's knowledge of the [K-12 Science Standards for Alaska](#), adopted in June 2019. The [K-12 Science Standards for Alaska](#) provide a new foundation for defining what students should know and be able to do in terms of scientific knowledge and skills.

The K-12 Science Standards for Alaska support learning and understanding through sense making and investigations associated with scientific phenomena in life science, physical science, earth and space science, and engineering and technology. Crosscutting concepts, an organizational framework for connecting knowledge from the diverse science disciplines into a coherent and scientifically based view of the world, are included in the standards. Science and engineering practices, [Alaska Standards for Culturally Responsive Schools](#), and evidence-based reasoning are also included.

The science assessment is administered to students in grades 5, 8, and 10.

For resources on preparing students to take the science assessment, please view [Student Readiness](#).

Taken from: <https://education.alaska.gov/assessments/science>



Science Assessment

Alaska Department of Education
& Early Development

District Summary Report

District Name: Kenai Peninsula Borough School District

Subject: Science

Test Date: Spring 2023

Achievement Level Summary

Group	# Tested	% in Each Level			
District	1,625	30.3	26.1	32.2	11.4
State	22,382	39.1	24.0	26.7	10.2

Achievement Level Summary — By Grade

Grade	Group	# Tested	% in Each Level			
5	District	587	23.2	27.1	38.7	11.1
	State	8,269	30.8	27.0	31.5	10.7
8	District	579	32.8	25.6	28.0	13.6
	State	7,783	44.6	20.9	23.5	11.0
10	District	459	36.2	25.5	29.4	8.9
	State	6,330	43.2	23.8	24.5	8.5

Needs Support Approaching Proficient Proficient Advanced

Performance by Reporting Category

The table below shows how the performance of the district and state compared to the state standard for proficiency on specific areas of the Science Assessment.

Grade	# Tested	Reporting Category	District	State
5	587	Life Science	≡	▽
		Physical Science	△	▽
		Earth and Space Science	≡	▽
8	579	Life Science	▽	▽
		Physical Science	▽	▽
		Earth and Space Science	▽	▽
10	459	Life Science	▽	▽
		Physical Science	▽	▽

Performance Results Key

The district or state

△ did better than the state standard for proficiency

≡ did about as well as the state standard for proficiency

▽ did not do as well as the state standard for proficiency

did not attempt any items in this category

2022-2023

English Language Learners – ACCESS/WIDA Assessment

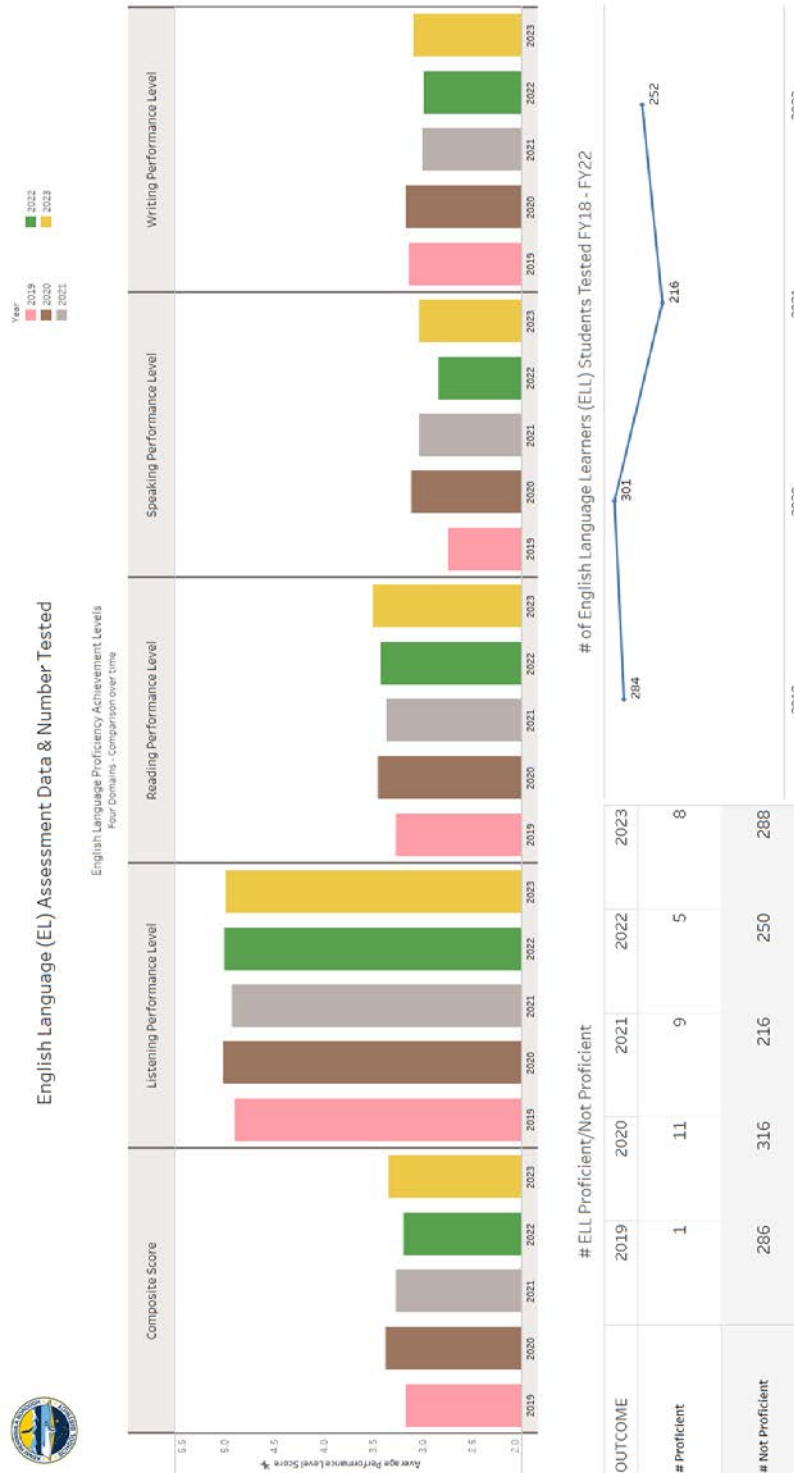
English Language Proficiency Assessment

Annually, Local Education Agencies (LEAs) are required to assess the English proficiency of their identified English Learners (ELs). Alaska is a part of the WIDA Consortium which provides us with language standards and resources for teachers to use to provide students with needed support. The state of Alaska also utilizes the WIDA ACCESS for ELs assessment, which assesses students in the domains of reading, writing, speaking, and listening. These scores are used to drive instruction for students, determine a student's proficiency level, as well as for accountability purposes.

The assessment uses a scale from 1-6 (6 being the most proficient). Each domain is scored on this scale, and there is an overall composite score that is calculated from these four domain scores. Students who receive a composite score of 4.5 allows them to move from active EL status and into "monitoring" status. Students remain in monitoring status for four years to ensure that they were not prematurely exited from the program.

2022-2023

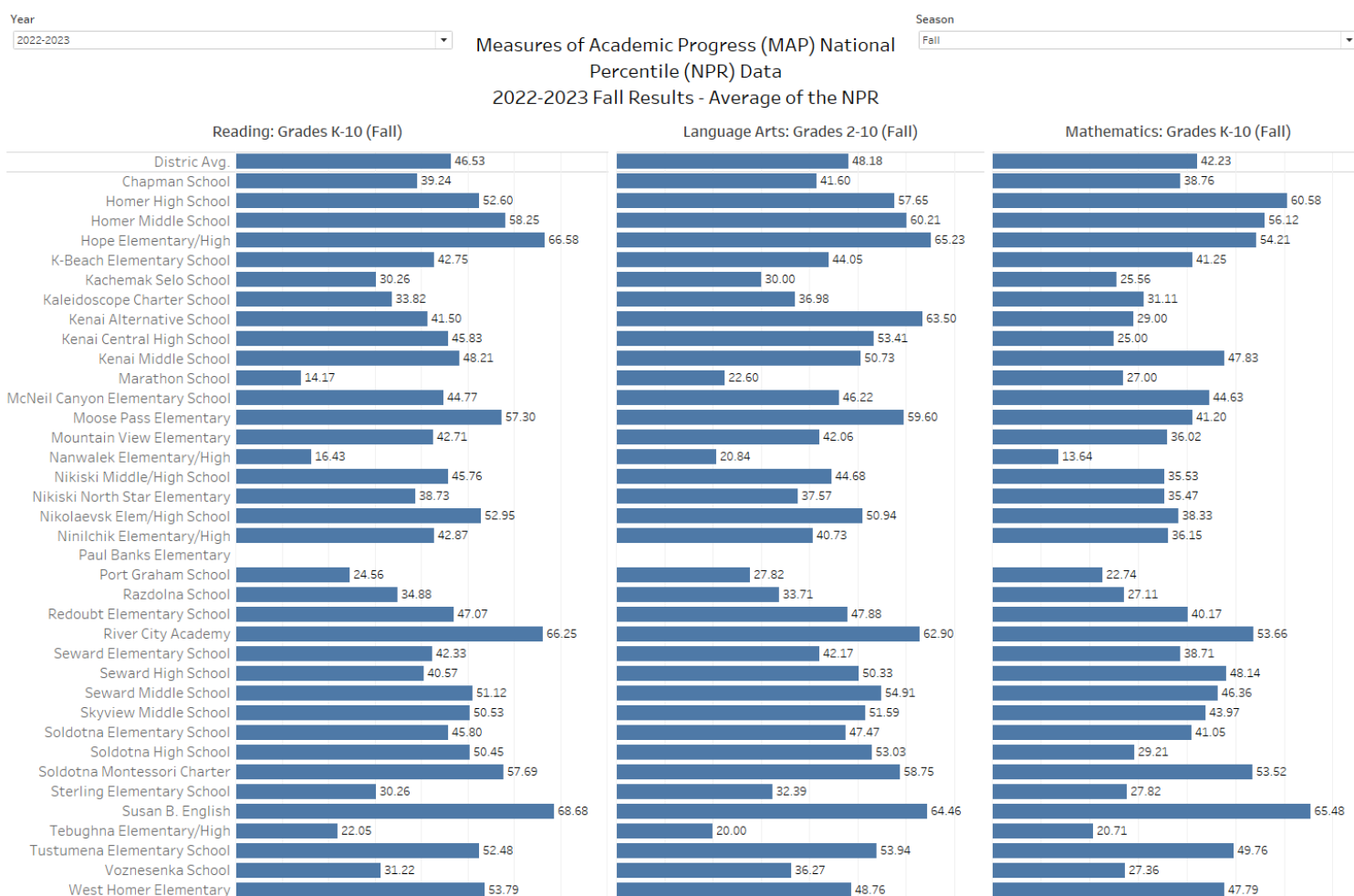
English Language Learners – ACCESS/WIDA Assessment



2022-2023

District Assessment: NWEA MAP Growth

NWEA MAP Growth is a nationally normed, online, computer-adaptive, diagnostic assessment. Students in grades 3-10 are assessed three times a year in Reading, Mathematics, and Language Arts. The assessment provides for more accurate student course placement, diagnosis of instructional needs, and measurement of student gains across the fall, winter, and spring reporting periods. The graphic below shows student growth by school, from fall 2022 to spring 2023. Only those students with an assessment in both periods are included in this data set that shows the school's average of the national percentile ranking for each content area in fall 2022 and spring 2023.



Year

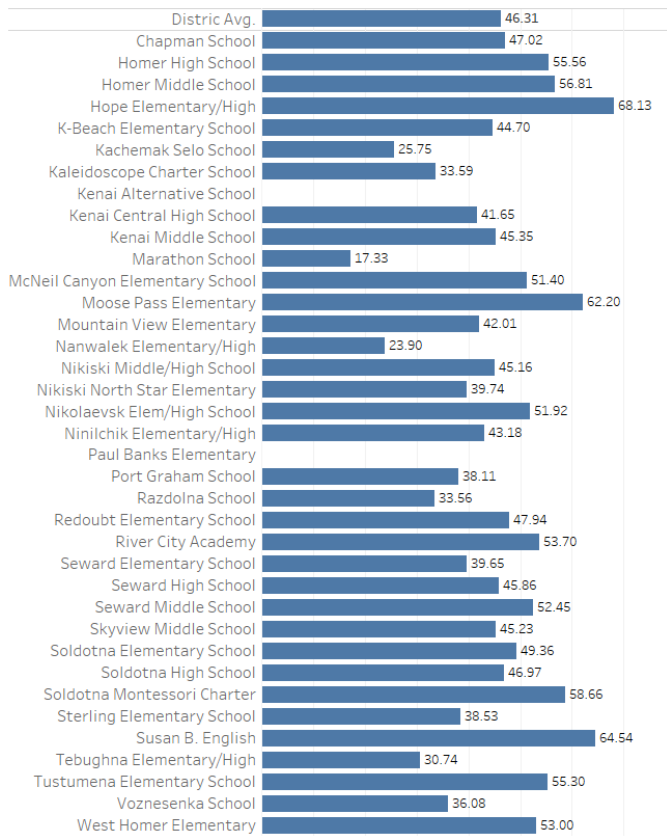
2022-2023

Season

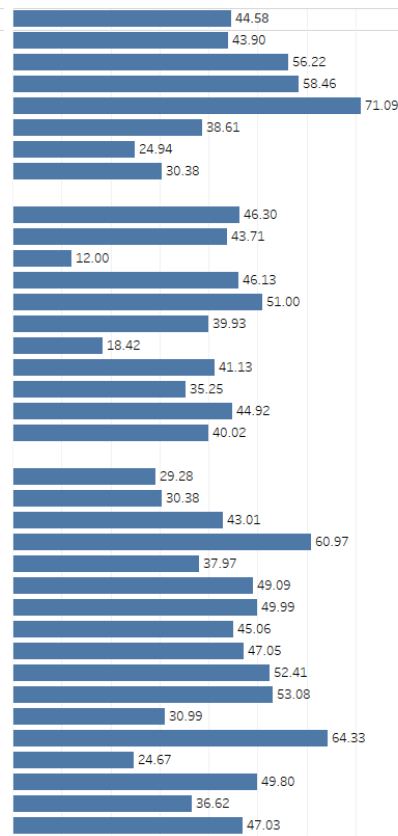
Spring

Measures of Academic Progress (MAP) National
Percentile (NPR) Data
2022-2023 Spring Results - Average of the NPR

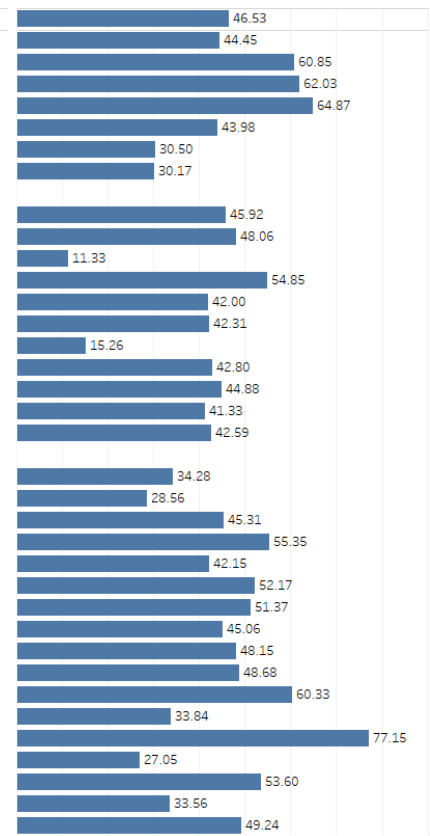
Reading: Grades K-10 (Spring)



Language Arts: Grades 2-10 (Spring)



Mathematics: Grades K-10 (Spring)



2022-2023

District Assessment: aimswebPlus

AimswebPlus is a series of curriculum-based measurements (CBMs), used for universal screening three times a year in grades K-5. This brief assessment measures overall performance of key foundational skills at each grade level to provide an accurate prediction of reading and math achievement. KPBSD assesses early literacy and math skills (grades K-2), reading fluency (grades 2-5), computational fluency, number sense, and a math standards-based assessment (grade 2). Assessments are given in the fall, winter & spring. Students who fall below the 25th percentile are then progress monitored between testing windows to assist educators with differentiation and intervention decisions. The assessments that are required in the fall are not always the same ones that are required in the spring, due to the expectation of student growth during the year. For clarity, the graphics that follow are only the assessments that are given in both the fall and spring. Appendix C explains the purpose of the assessments that are included in the aimswebPlus assessment suite. Refer to the Benchmark Testing Schedule on page 3 for the schedule of which grade levels take which assessments.

2022-2023

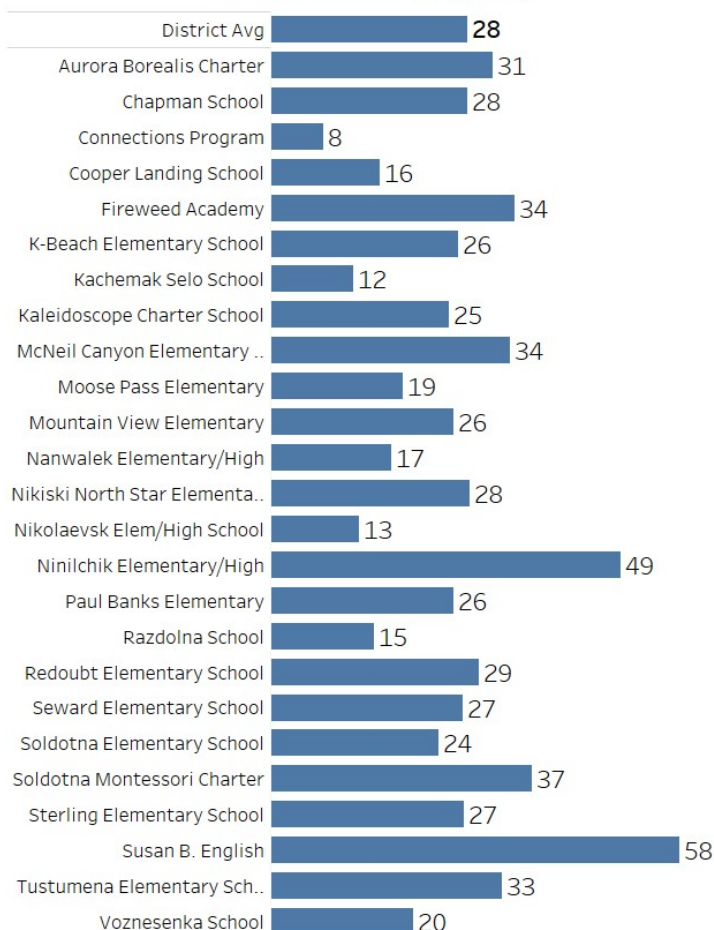
District Assessment: aimswebPlus (Kindergarten, fall)



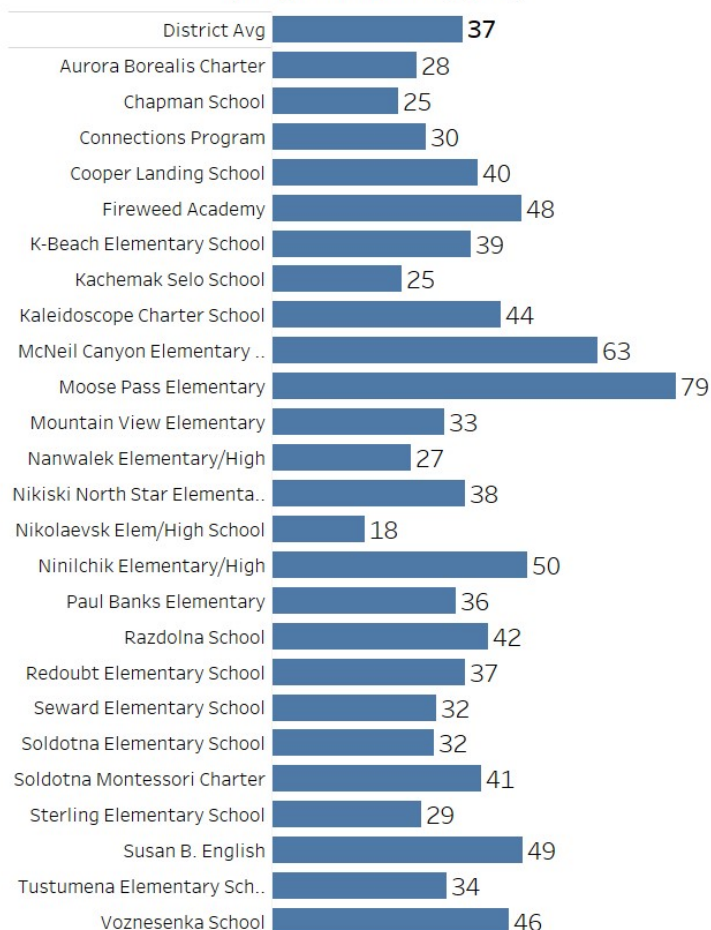
Aimsweb National Percentile (NPR) Data
2022-2023 Fall Results - Average of the NPR
Tested Grade: Kindergarten

YearString
Season

Letter Naming Fluency (LFS) Letter Words Sound Fluency (LWSF)



Quantity Total Fluency (QTF) Quantity Difference Fluency (QTDF)



2022-2023

District Assessment: aimswebPlus (Kindergarten, spring)

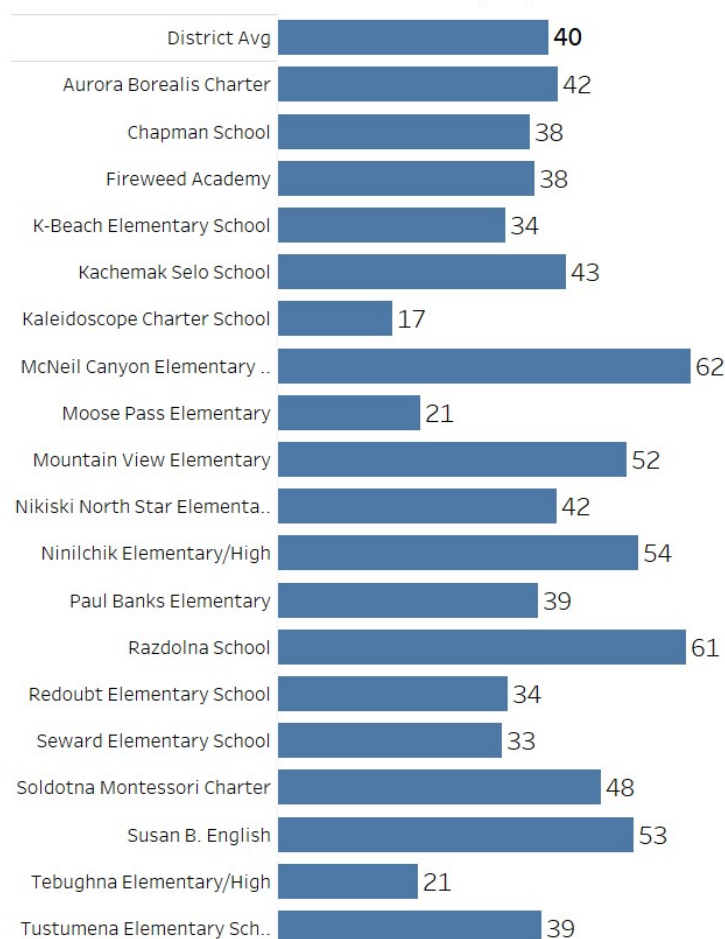


Aimsweb National Percentile (NPR) Data
2022-2023 Spring Results - Average of the NPR
Tested Grade: Kindergarten

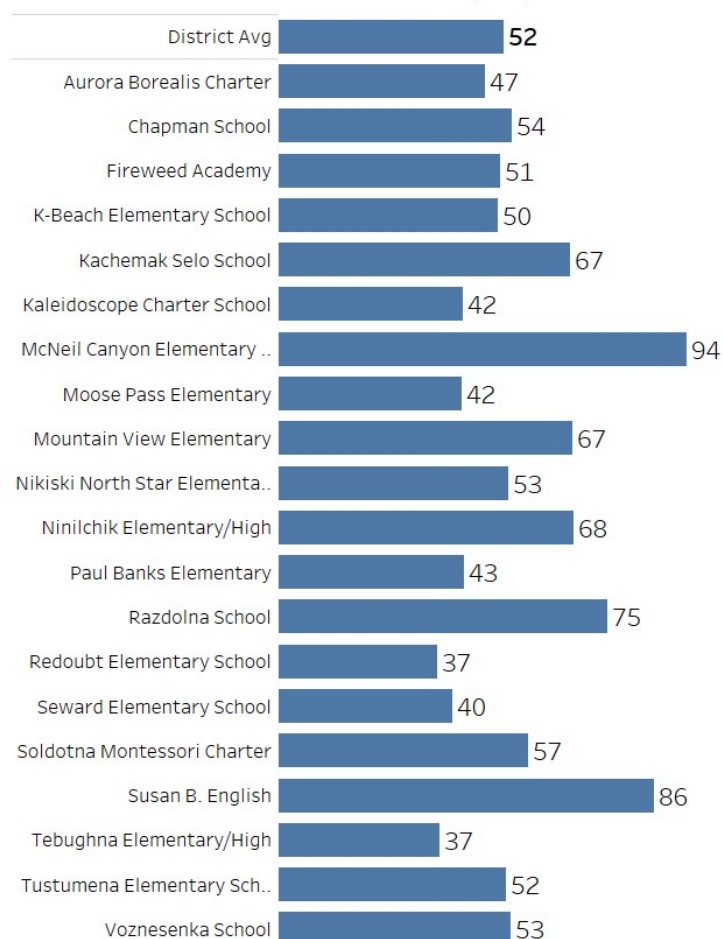
YearString

Season

Letter Naming Fluency (LFS) Letter Words Sound Fluency (LWSF)



Quantity Total Fluency (QTF) Quantity Difference Fluency (QTDF)



2022-2023

District Assessment: aimswebPlus (Grades 1-5, fall)

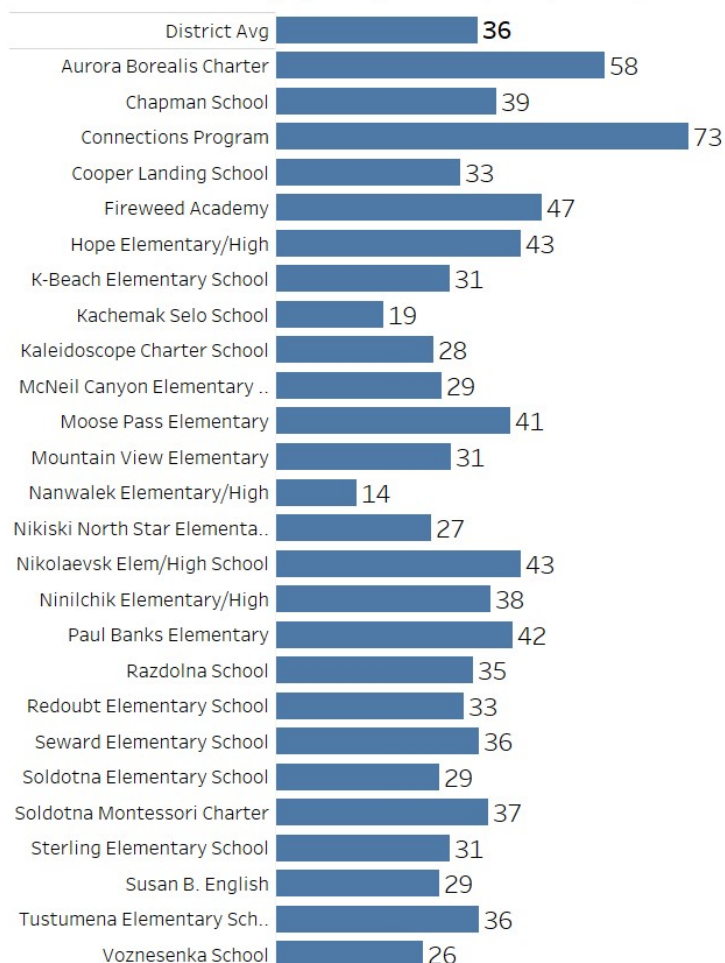


Aimsweb Plus National Percentile (NPR) Data
2022-2023 Fall Results - Average of the NPR
Tested Grades: 1st - 5th

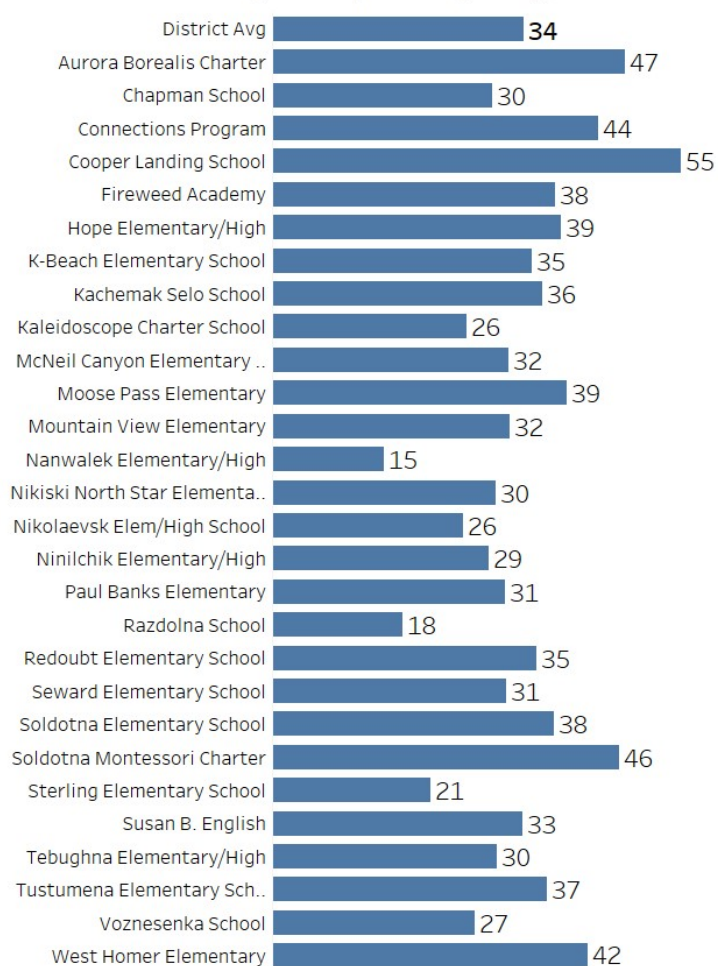
Year

Season

Math Facts Fluency - (Grade 1) / Math Composite (Grade 2-5)



Reading Measure (Oral Reading Fluency)



2022-2023

District Assessment: aimswebPlus (Grades 1-5, spring)

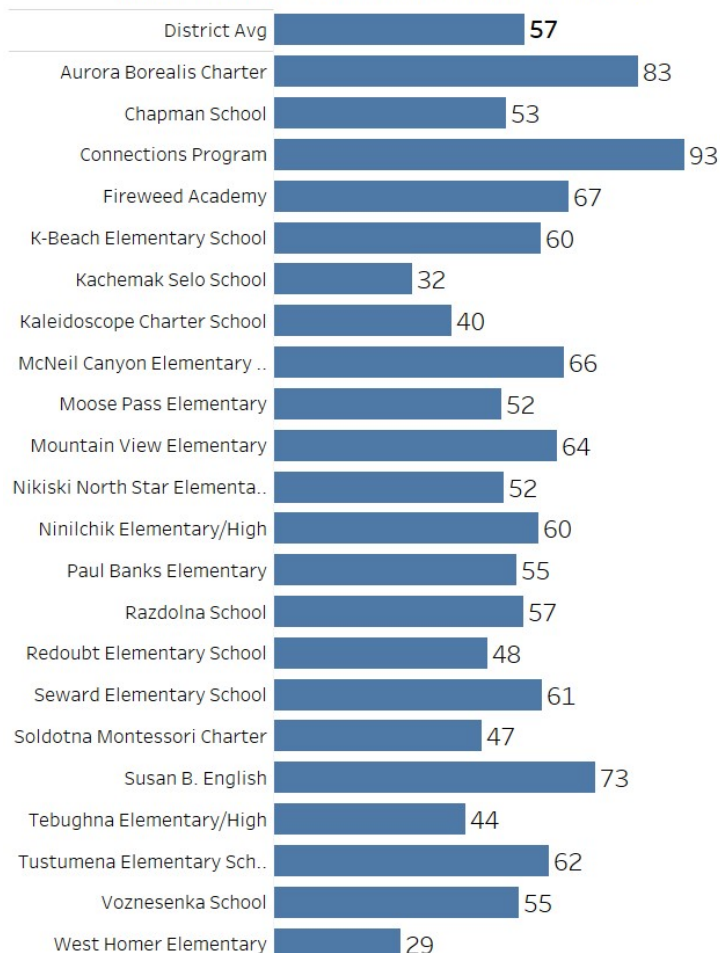


Aimweb Plus National Percentile (NPR) Data
2022-2023 Spring Results - Average of the NPR
Tested Grades: 1st - 5th

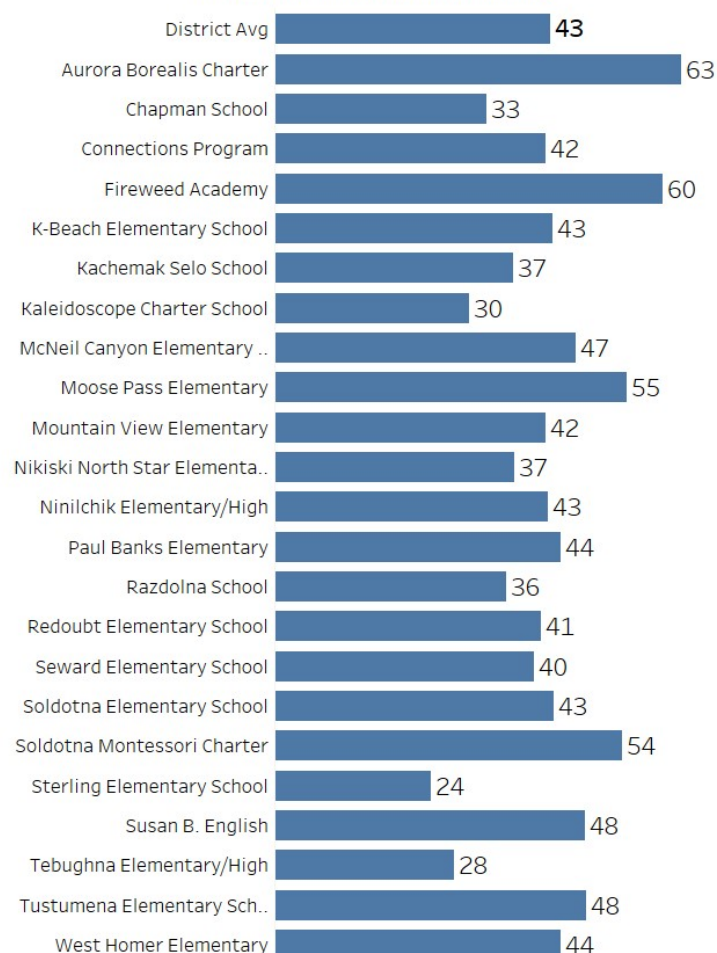
Year

Season

Math Facts Fluency - (Grade 1) / Math Composite (Grade 2-5)



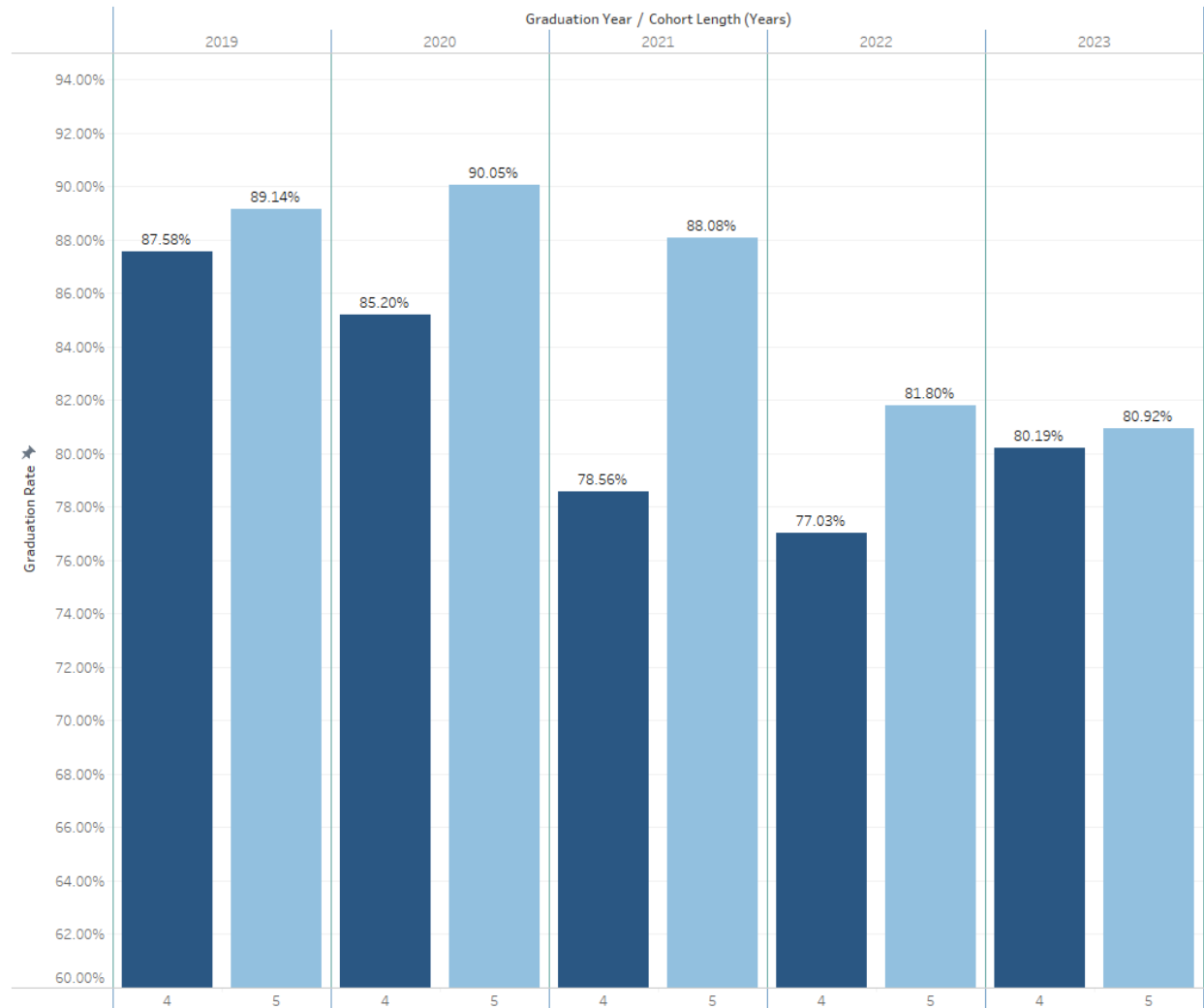
Reading Measure (Oral Reading Fluency)



2022-2023

KPBSD Graduation Rate – Five Year Trend

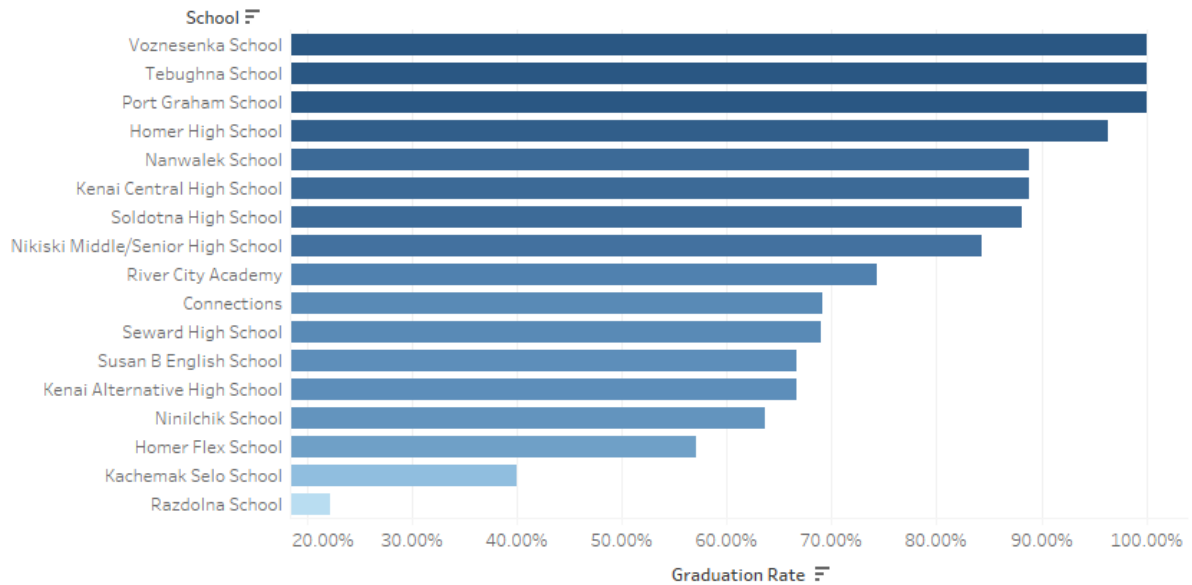
Kenai Peninsula Borough School District
Graduation Rate - Five Year Trend (4-Year, 5-Year Cohort Detail)



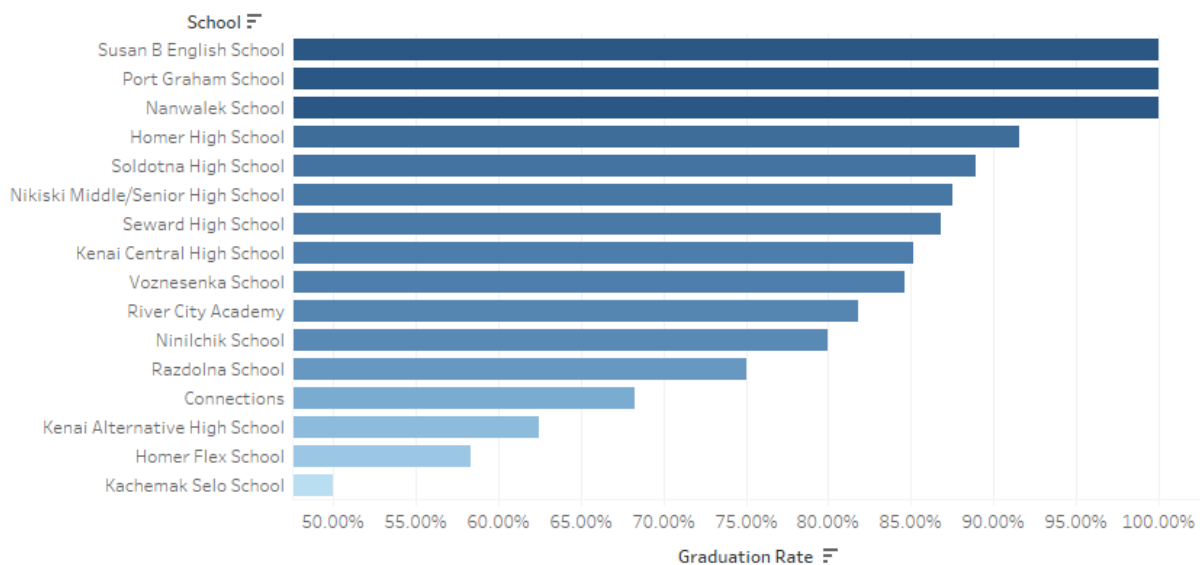
2022-2023

KPBSD Graduation Rate by School

Kenai Peninsula Borough School District
Graduation Rate By School (4-Year Cohort)

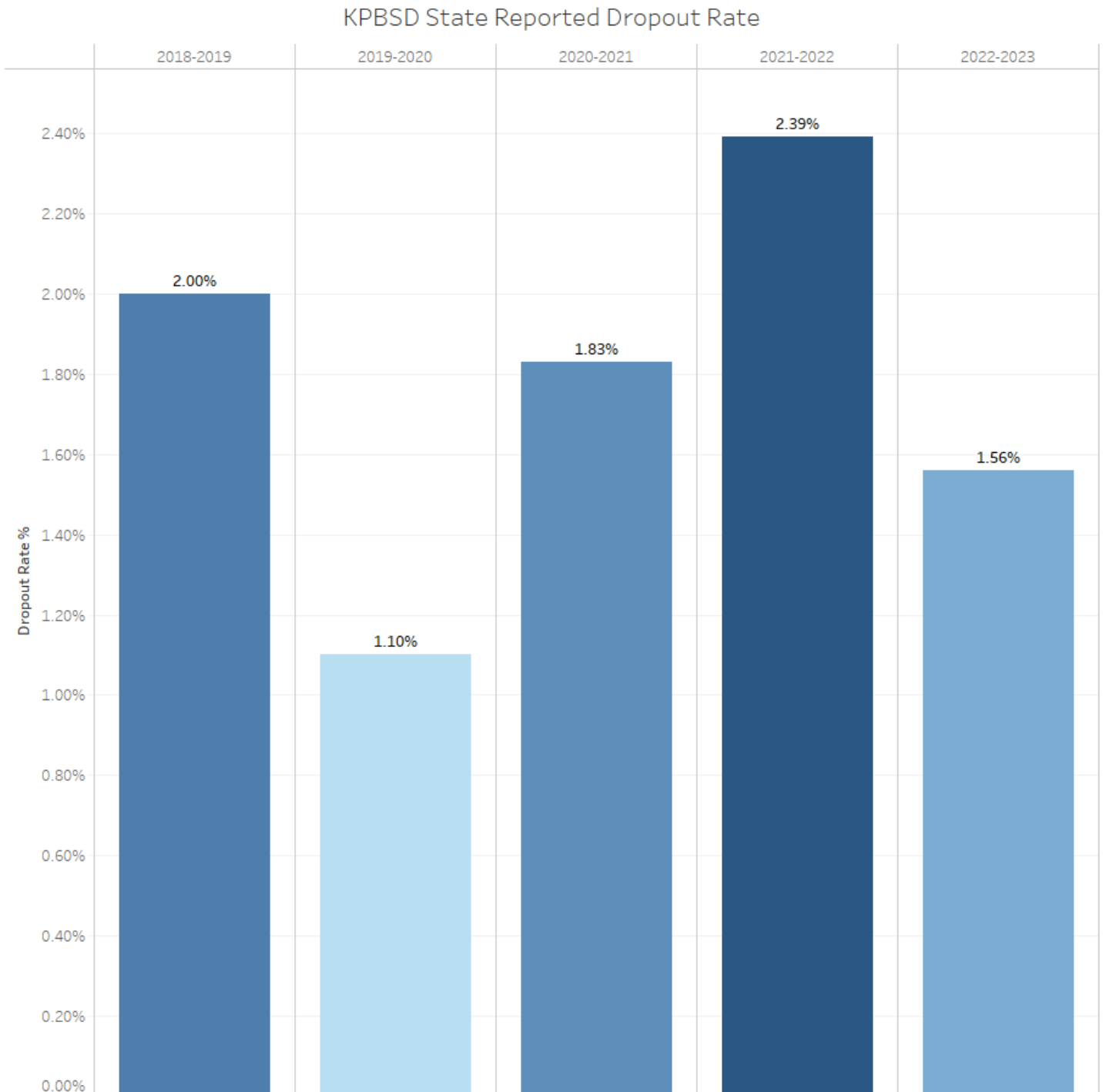


Kenai Peninsula Borough School District
Graduation Rate By School (5-Year Cohort)



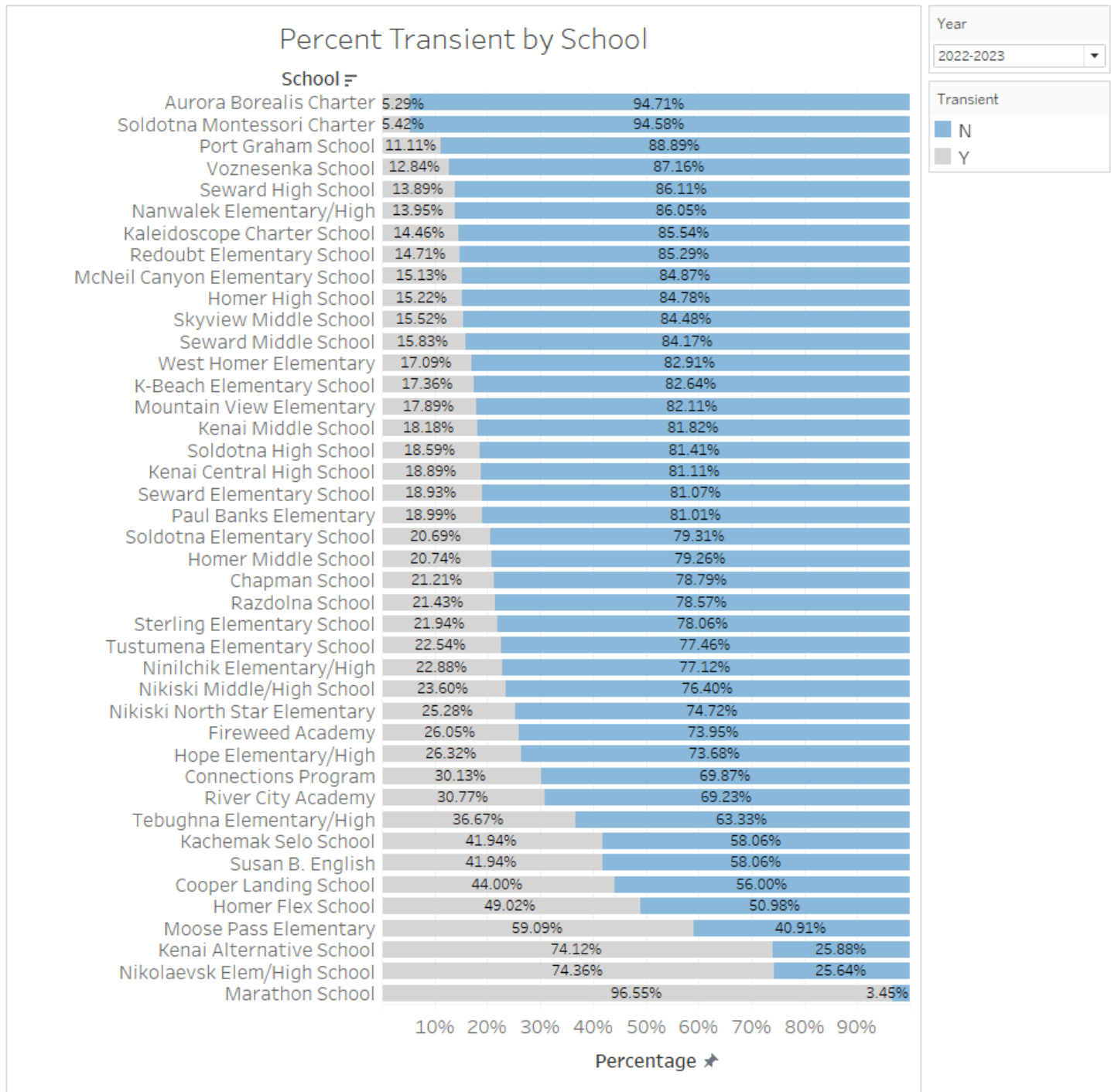
2022-2023

KPBSD Dropout Rates - Five Year Trend (2019-2023)



2022-2023

KPBSD Transient Rates

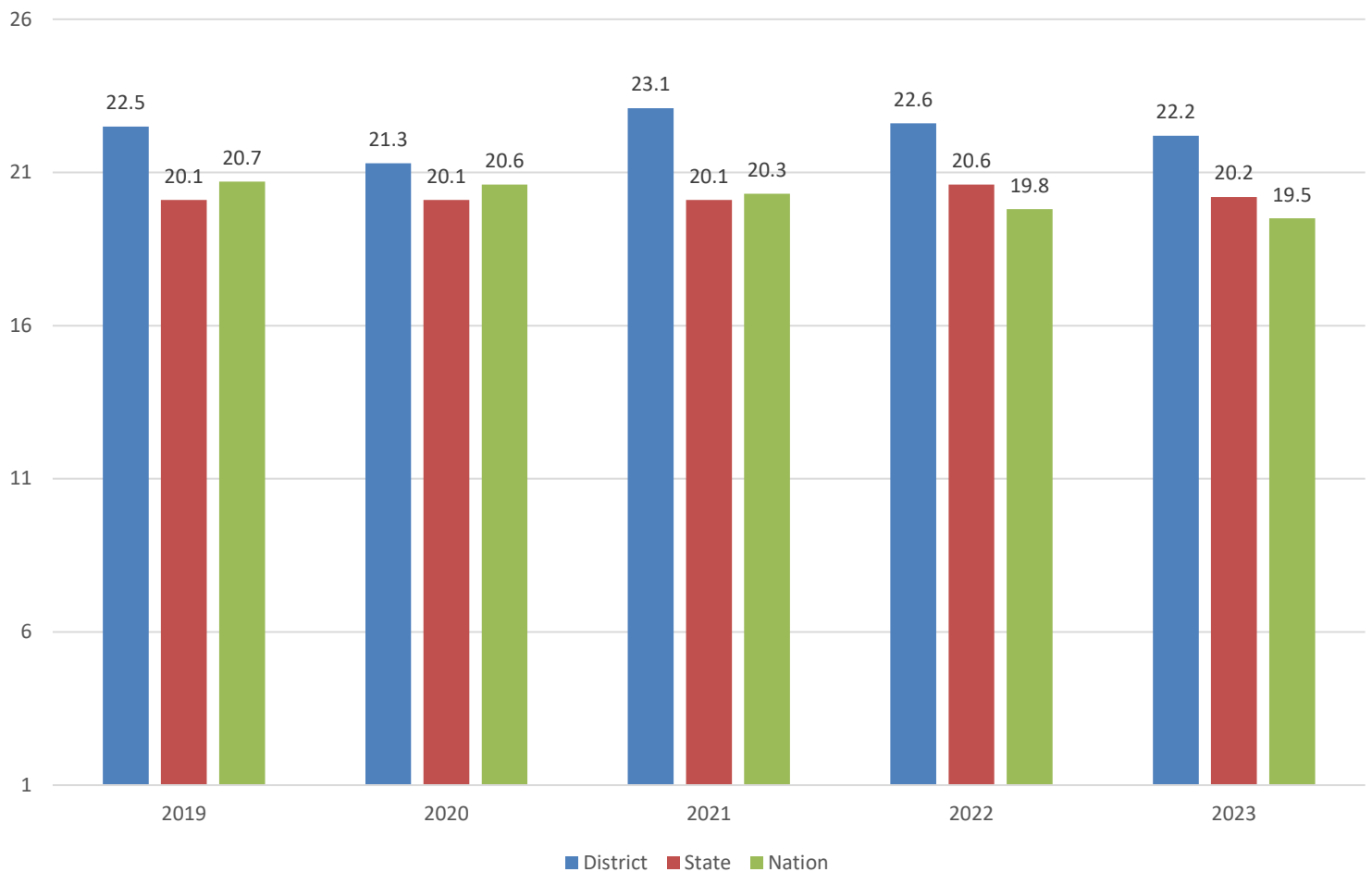


2022-2023

ACT

The ACT® test measures high school students' general educational development and predicts their ability to complete college-level work. The multiple-choice tests cover four skill areas: English, mathematics, reading, and science. The writing test, which is optional, measures skill in planning and writing a short essay. The score range for each of the four multiple-choice tests is 1–36. The Composite score is the average of the four test scores rounded to the nearest whole number.

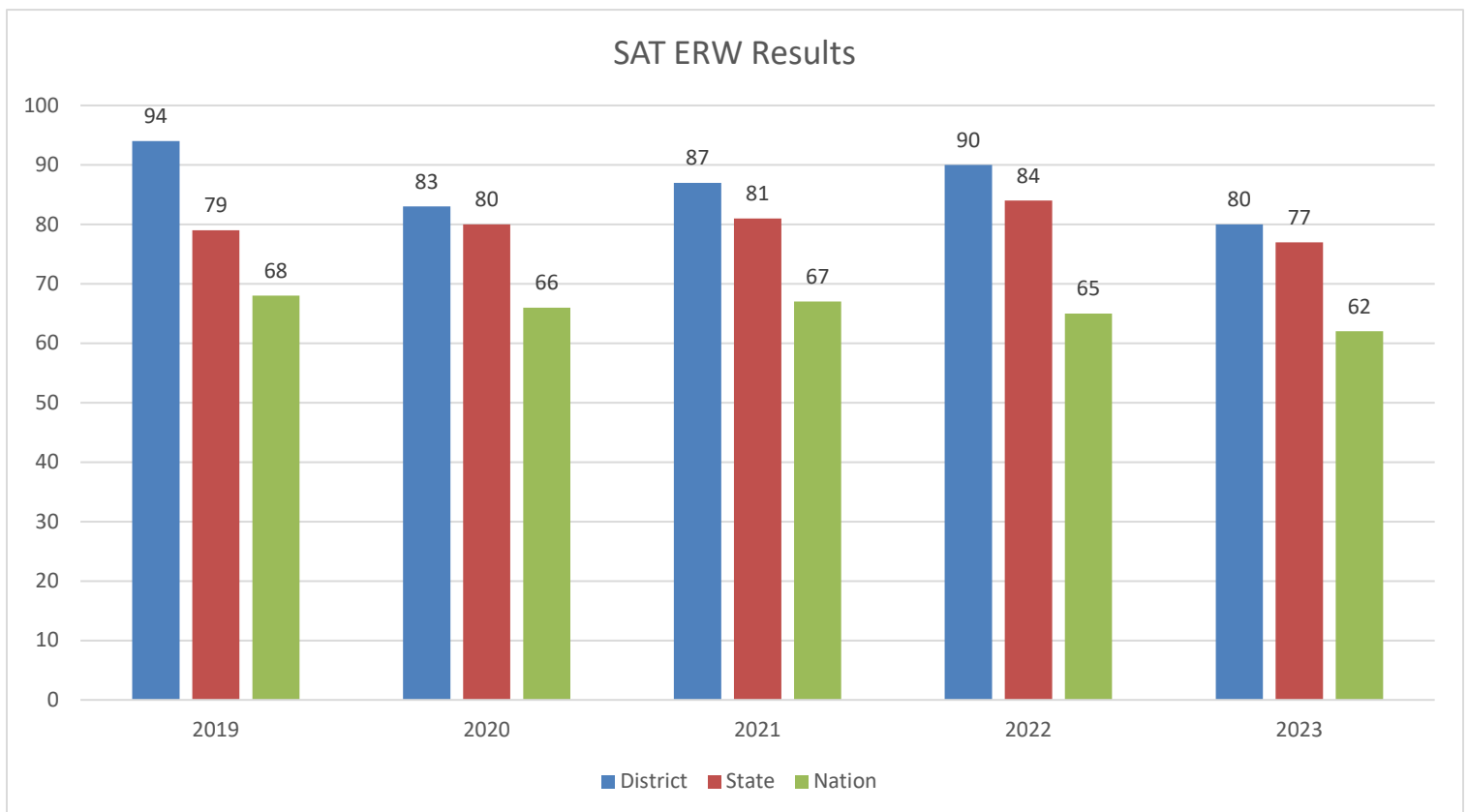
ACT Composite Score

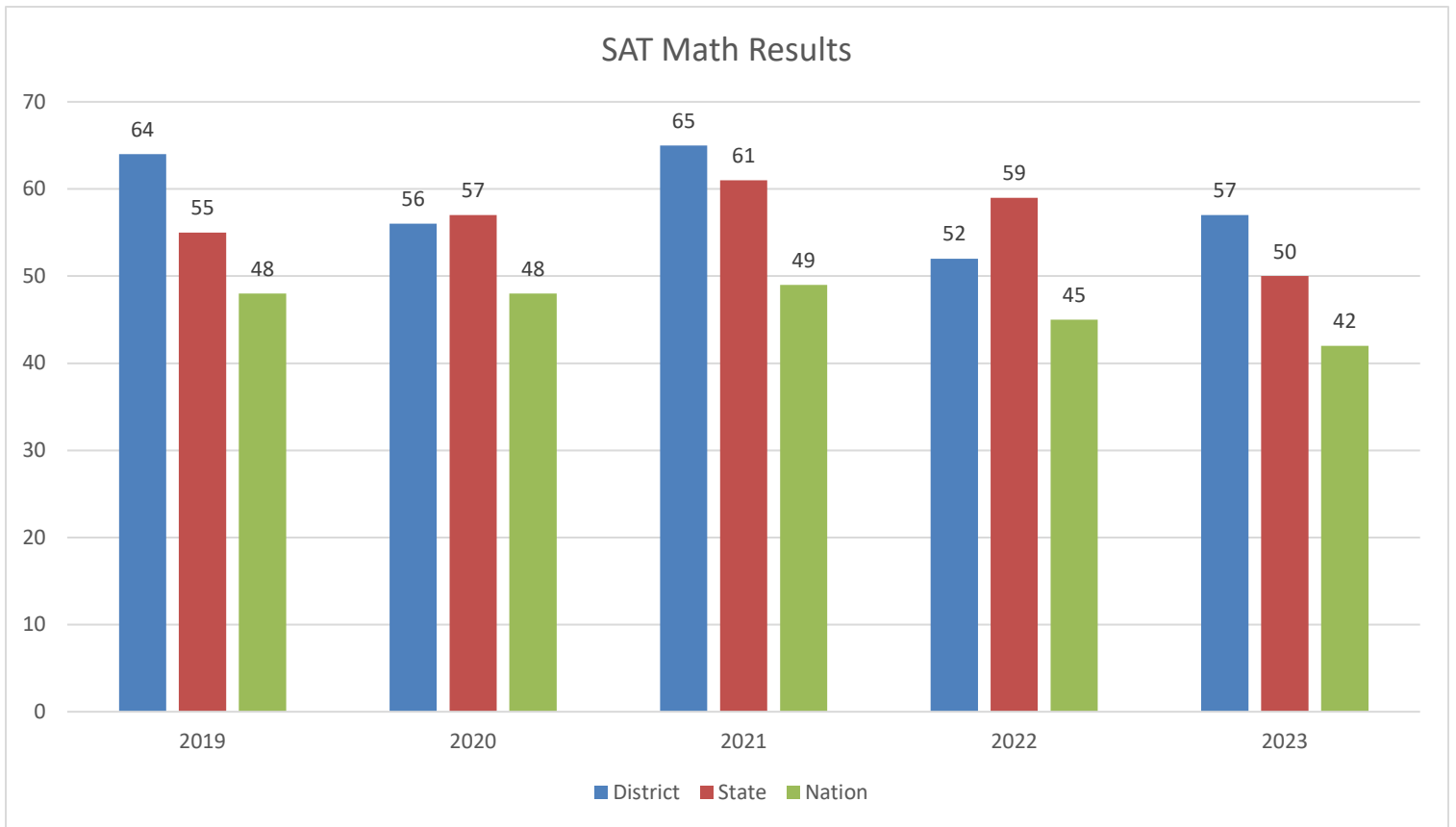


2022-2023

SAT

The SAT is a standardized assessment consisting of 3 parts: critical reading, mathematical reasoning, and writing and language skills. Beginning in 2022, the SAT is being offered in digital format with all students using the new digital platform beginning March 2023. The test has developed over time and is an indicator of college readiness. While high school grades are a very useful indicator of how students will perform in college, there is great variation in grading standards and course rigor across high schools. The SAT Total score is reported on a scale of 400–1600. Reading and Writing (RW) and Math section scores on a scale of 200–800.





Data from CollegeBoard SAT Annual Report - KPBSD

2022-2023

Alaska Performance Scholarship (APS)

The Alaska Performance Scholarship provides an opportunity for Alaska high school students to earn a scholarship to help cover the cost of an Alaska postsecondary education. The first graduating class to be eligible for the APS was in summer of 2011. Course requirements then continued to step up through the 2015 school year at which time they “topped” out.

In June of 2016 State law that had required graduates to take an ACT, SAT or WorkKeys assessment expired. Therefore, students no longer needed to take this assessment and the department of education no longer paid for the assessment. Completing one of these assessments and meeting the target is a requirement of the APS. As a result, there was a drop in the number of students completing the required assessment and a drop in number of graduates eligible for the award.

During the 2019/2020 and 2020/2021 school years, the standardized test scores (ACT, SAT, WorkKeys) were waived as a requirement to obtain the Alaska Performance Scholarship. The requirement is now in affect for the 2021/2022 school year, and you may see changes in eligibility data.



KPBSD APS Eligibility 2022-2023

Year

2022-2023

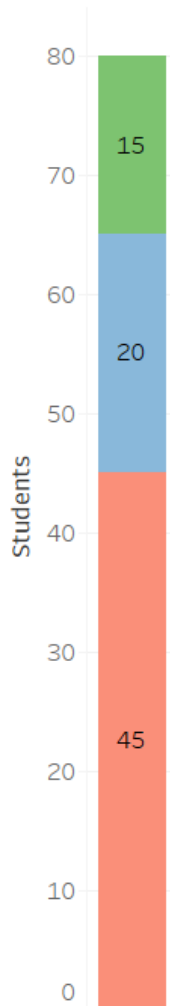
APS Eligibility Level

3

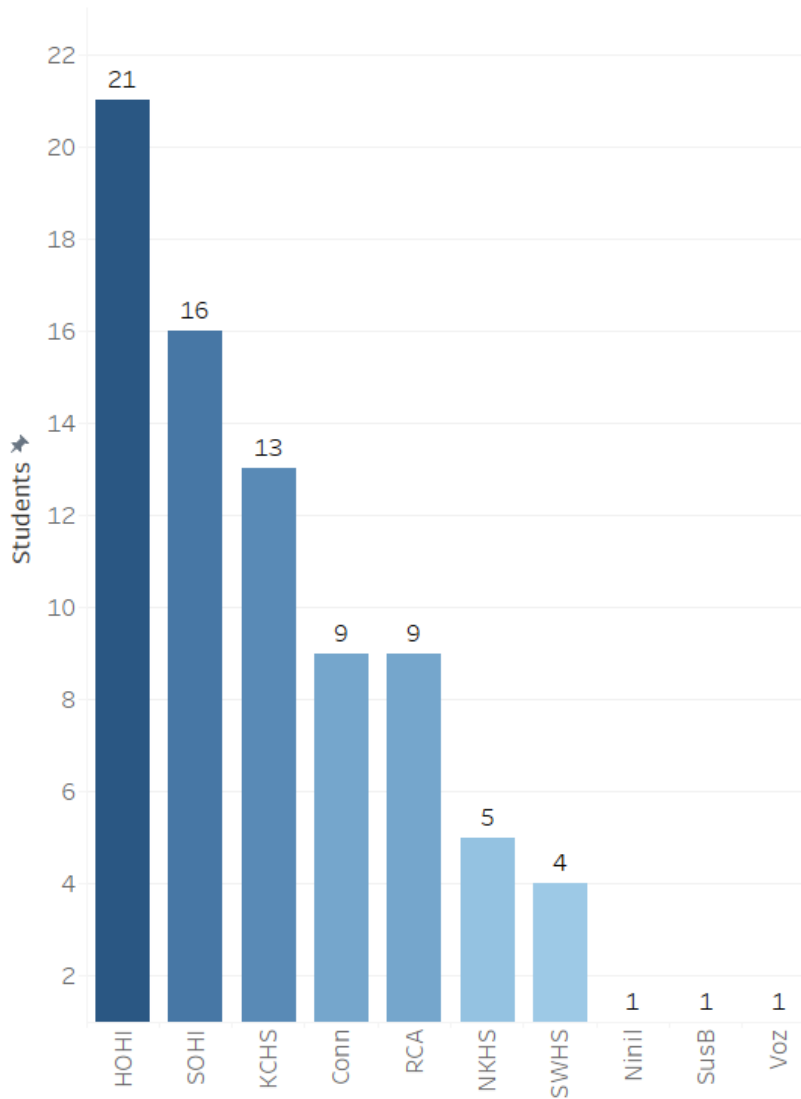
2

1

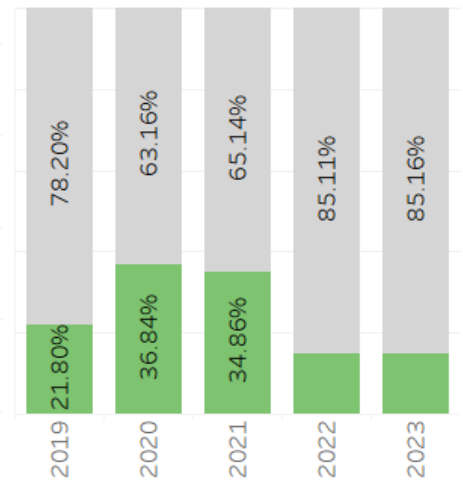
Eligibility Count by District



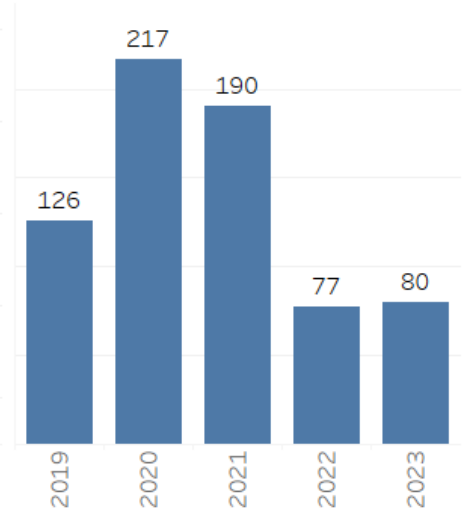
Eligibility Count by School



APS Eligible Students as Percent of Graduating Class



APS Eligible Student Counts



Alaska System of Academic Readiness (AK STAR)

AK STAR

In the 2021–2022 school year, the Alaska Department of Education and Early Development (DEED) administered a new assessment system for grades 3–9 in English language arts (ELA) and mathematics, the Alaska System of Academic Readiness (AK STAR). AK STAR brings together the best of interim and summative assessments to help inform instruction and provide information to students, families, educators, and leaders.

During the spring 2022 administration, 77,623 students across Alaska took both the MAP Growth interim assessment and the AK STAR summative assessment over the span of several weeks to ensure AK DEED and NWEA had the necessary information to report on the connections between MAP Growth and AK STAR.

OBSERVATION

DEED and NWEA reviewed how students performed on the MAP Growth assessment compared to how they

performed on the AK STAR summative assessment.

Table 1 illustrates the percentage of students that scored in each MAP Growth percentile ranking as either “Proficient or Advanced” or “Approaching Proficient or Needs Support” on AK STAR. Table 2 provides an additional view, showing the percentage of students scoring at each AK STAR achievement level across all MAP Growth percentile rankings.

Based on student scores across the two assessments, as seen in Table 1 and Table 2 there was a high positive correlation of 0.84 between scores on these two assessments in spring 2022, meaning the vast majority of students demonstrated relatively consistent performance on MAP Growth and the AK STAR summative assessment in spring 2022. Students with higher scores on one assessment were much more likely to have higher scores on the other. This level of correlation is consistent with other comparisons where two tests measuring similar constructs administered in approximately the same time frame.

Table 1 ▶

“Proficient or Advanced” or “Approaching Proficient or Needs Support” scores in each percentile range on MAP Growth

map GROWTH Student Percentile Ranking	AK STAR Proficient or Advanced	AK STAR Approaching Proficient or Needs Support
> 80th HIGH	93%	7%
61–80th HIGH AVERAGE	59%	41%
41–60th AVERAGE	20%	80%
21–40th LOW AVERAGE	4%	96%
LOW < 21st	<1%	99%

Table 2 ▶

Percentage of students scoring at each AK STAR achievement level across MAP Growth percentile rankings

AK STAR Achievement Levels ...	mapGROWTH Percentile Ranges				
	LOW <21st Percentile	LOW AVERAGE 21–40th Percentile	AVERAGE 41–60th Percentile	HIGH AVERAGE 61–80th Percentile	HIGH >80th Percentile
<i>Needs Support</i>	92.51% (18,215)	65.6% (9,994)	30.45% (4,866)	7.86% (1,198)	0.81% (93)
<i>Approaching Proficient</i>	7.25% (1,428)	30.91% (4,716)	49.09% (7,845)	33.06% (5,040)	6.1% (698)
<i>Proficient</i>	0.23% (45)	3.53% (538)	19.81% (3,166)	50.37% (7,679)	41.07% (4,703)
<i>Advanced</i>	0.01% (2)	0.06% (9)	0.66% (105)	8.71% (1,327)	52.02% (5,956)

Variations observed in [Table 2](#):

- If we define score variations as students with “High” or “High Average” MAP Growth scores being classified as “Needs Support” on the AK STAR summative assessment or those with “Low” and “Low Average” MAP Growth scores being classified as “Advanced” in AK STAR, then 1,302 students (dark shaded cells) had score variations. Conversely, 76,321 students (light shaded cells) had relatively consistent performance between MAP Growth and the AK STAR summative assessment.
- The specifics on the score variations:
 - 93 students out of 77,623 students (0.81%) had percentile ranks on MAP Growth that were above the 80th percentile but were classified as “Needs Support” on AK STAR.
 - 1,198 students (7.86%) had percentile ranks on MAP Growth that were between the 61st and 80th percentile but were classified as “Needs Support” on AK STAR
 - Nine students (0.06%) had percentile ranks on MAP Growth that were between the 21st and 40th percentile but were classified as “Advanced” on AK STAR
 - Two students (0.01%) had percentile ranks that were less than the 21st percentile in MAP Growth but were classified as “Advanced” in the state summative.

Many factors could have impacted how a student performed across the two assessments, including:

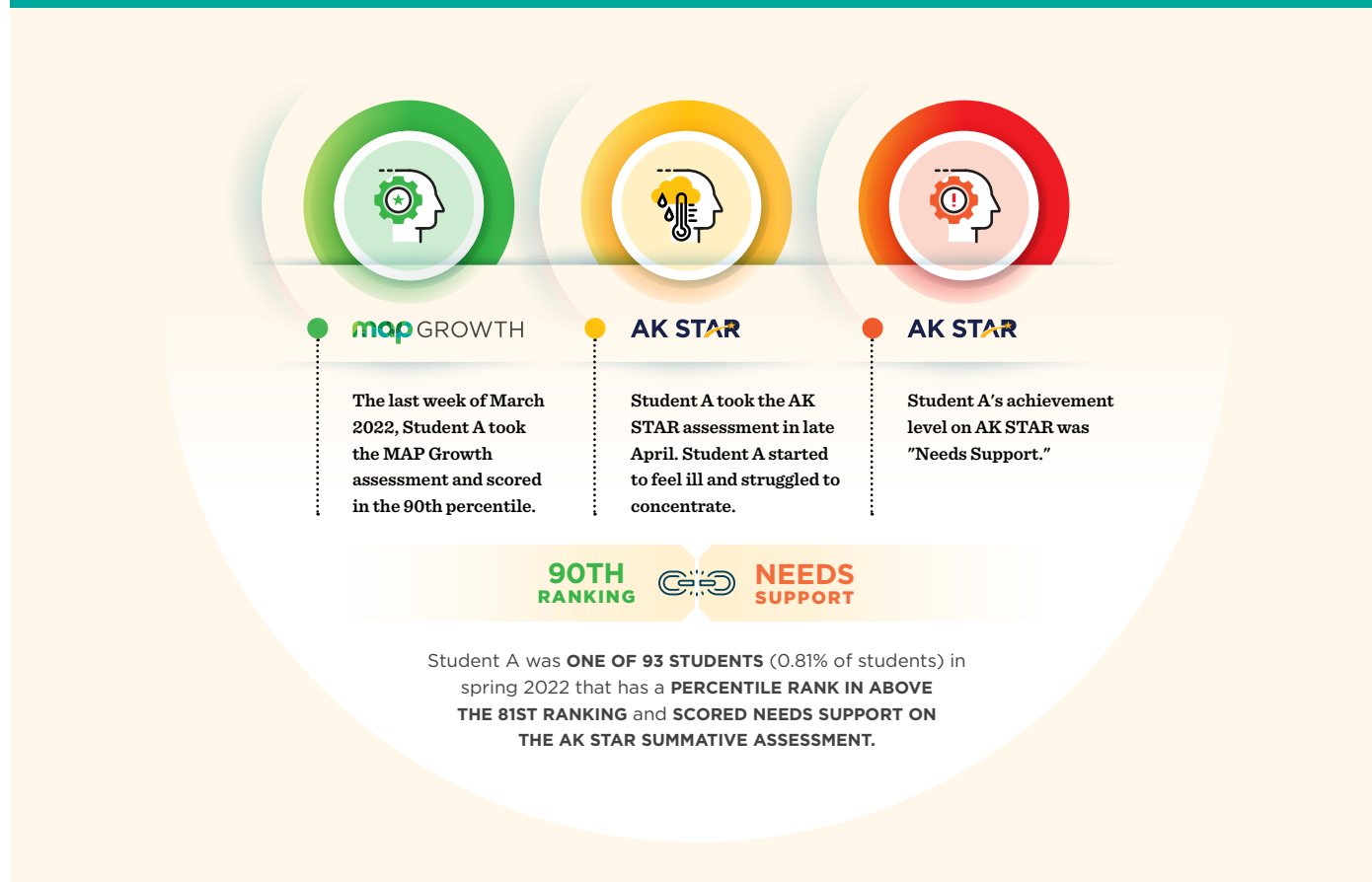
- Timing of administrations: Assessments were administered over the span of several weeks.
- Different levels of test anxiety: MAP Growth is administered during regularly scheduled class periods while summative assessments are scheduled events taking up longer periods of the school day. These differences in administration could possibly lead to increased test anxiety for the summative assessment.
- MAP Growth assessments are norm referenced (how a student performs compared to other students) and measure a student’s knowledge at a point in time adapting to pinpoint student learning. Summative assessments are criterion referenced (how a student performed against grade-level standards) and based on grade-level standards to measure students’ accumulated knowledge. Some students may have had some knowledge loss or gaps for various reasons when taking a summative assessment.
- Other factors such as testing fatigue, illness, motivation or confidence, and testing environment.

POTENTIAL REASONS FOR VARIATIONS

The types of variations seen in [Table 1](#) and [Table 2](#) in student scores on two assessments, when a large number of students take the assessments, is expected.

Figure 1 ▶

Student scenario with high score in MAP Growth and Needs Support in AK STAR



To illustrate a potential reason for these score differences, imagine Student A, as seen in Figure 1. Student A took the MAP Growth assessment and ranked at the 90th percentile. The following week, Student A came to school and took the AK STAR assessment. During the assessment, Student A started to feel ill. Student A struggled to concentrate on the assessment. After the assessment, Student A's AK STAR results showed achievement at the "Needs Support" level.

This is just an example of what may have caused the differences across student scores on MAP Growth and the AK STAR summative assessment. In Spring 2023, students' RIT scores, percentile ranks, and achievement level scores will be produced by the single administration of the AK STAR summative assessment, and it is reasonable to expect that such score variations, despite already being very rare in spring 2022, happen to an even smaller percentage of test takers.



NWEA® is a not-for-profit organization that supports students and educators worldwide by providing assessment solutions, insightful reports, professional learning offerings, and research services. Visit [NWEA.org](https://www.nwea.org) to find out how NWEA can partner with you to help all kids learn.

© 2023 NWEA. NWEA and MAP are registered trademarks, and MAP Growth is a trademark, of NWEA in the US and in other countries. The names of other companies and their products mentioned are the trademarks of their respective owners.

2023 Results

DEED committed to a multi-year approach to develop [AK STAR](#).

Several [key steps](#) ensure that the AK STAR test design and processes for setting expectations for student performance for the statewide assessment are well planned.



Measure definitions and acronyms:

This guide provides a quick reference to all of the aimswebPlus measures and their acronyms.

Early Literacy		
Acronym	Measure Name	What the student does:
AV	Auditory Vocabulary	Student points to one of four pictures that matches an orally presented word. 25 total items. Benchmark screening only.
IS	Initial Sounds	Student looks at four pictures and either points to the one that begins with a given letter sound or verbally makes the sound that begins the word. 12 total items.
LNF	Letter Naming Fluency	Student states the names of visually presented upper and lower case letters for one minute.
LWSF	Letter Word Sounds Fluency	Student states the sounds of visually presented letters, syllables, and words for one minute.
ORF	Oral Reading Fluency	Student reads a story aloud for one minute.
PC	Print Concepts	Student shows their understanding of the purpose, use, and contents of a book. 9 total items. Benchmark screening only.
PS	Phoneme Segmentation	Student states the phonemes in orally presented words. 15 total words presented.
WRF	Word Reading Fluency	Student reads a word list aloud for one minute.

Early Numeracy		
Acronym	Measure Name	What the student does:
CA	Concepts and Applications	Student mentally solves various types of math problems and states the correct answers. 25 total items. Benchmark screening only.
MFF-1D	Math Facts Fluency- 1 Digit	Student mentally solves simple addition and subtraction problems involving numbers 0-10 and states the correct answer for one minute.
MFF-T	Math Facts Fluency- Tens	Student mentally adds or subtracts 10 to or from given numbers and states the correct answer for one minute.
NCF-P	Number Comparison Fluency- Pairs	Pairs of numbers are presented. The student identifies which of two numbers is larger for each pair for one minute.
NNF	Number Naming Fluency	Student verbally names numbers 0-20 for one minute.
QDF	Quantity Difference Fluency	Pairs of boxes containing dots are presented. The student states how many more blue dots are needed to match the number of red dots for one minute.
QTF	Quantity Total Fluency	Boxes containing dots are presented. The student states the total number of dots within each box or each pair of boxes for one minute.

Reading		
Acronym	Measure Name	What the student does:
ORF	Oral Reading Fluency	Student reads a story aloud for one minute.
RC	Reading Comprehension	Student reads six passages of text and answers four multiple-choice questions about each passage. 24 total items. Benchmark screening only.
SRF	Silent Reading Fluency	Student reads three stories (each divided into four brief segments) and answers four multiple-choice questions about each story (one question per segment). Student is timed while reading the segments. 12 total items.
VOC	Vocabulary	Student identifies the meanings of target words by selecting from multiple-choice options. 16 items for 2 nd grade. 22 items for grades 3 and up. Benchmark only.

Math		
Acronym	Measure Name	What the student does:
CA	Concepts & Applications	Student solves multiple-choice math word problems. 30 items total. Benchmark only.
MCF	Mental Computation Fluency	Student mentally solves multiple-choice math computation problems for four minutes.
NCF-T	Number Comparison Fluency-Triads	Student mentally solves multiple-choice math problems, each requiring the student to assess magnitude while comparing a set of three numbers for three minutes.
NSF	Number Sense Fluency	This is a summary of performance from the Number Comparison Fluency-Triads and Mental Computation Fluency tests.