



I-READY AND MCAP CORRELATION ANALYSIS FOR MATHEMATICS

DATA AND KEY FINDINGS

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Introduction

This study was conducted to analyze correlation data for the Spring 2025 administrations of i-Ready and the Maryland Comprehensive Assessment Program in reading and mathematics for grades 3-8. It is important to note that the i-Ready mathematics diagnostics assess only content, not reasoning and modeling skills. The content standards define what students should know and be able to do at each grade level. Modeling and reasoning standards measure how students think and communicate mathematically. Students will need to continue to have exposure to MCAP-like items that assess modeling and reasoning skills to ensure they are prepared for the end-of-year state assessments.

Key Findings

1. The study showed strong correlations of the i-Ready diagnostic assessments taken in the spring with the corresponding grade level MCAP assessment in grades 3-7. In grade 8, the correlation was moderate. This demonstrates that students who perform well on the i-Ready assessments also perform well on the MCAP corresponding state assessments. Correlations are also shown for students enrolled in Algebra I and Geometry at the middle school level.

It is worth noting that these students take the grade-level i-Ready assessments, so the items that they receive are not necessarily specific to their enrolled course. For example, students enrolled in Algebra I in grade 7 take the MCAP Algebra I state assessment. However, they participated in the grade 7 i-Ready diagnostic assessment that assessed grade 7 math standards, and not the Algebra I standards. Therefore, the correlations for students enrolled in Algebra I and Geometry are lower than in students enrolled in grades 3-7 general math courses.

Correlation of i-Ready and MCAP (Table 1)	
Grade	Correlation Coefficient
3	0.861
4	0.877
5	0.872
6	0.865
7	0.78
8	0.598
Algebra I (MS)	0.709
Geometry (MS)	0.51

2. Data from both assessments was analyzed to determine scale scores on i-Ready that would predict success on the corresponding MCAP assessment. A high threshold was established, 95%. This i-Ready path to MCAP proficiency of scales scores was created so that students who achieve the established scale scores on i-Ready will have a 95% likelihood of passing the corresponding MCAP assessment. Once an i-Ready scale score was established for the spring administration, the process was repeated for the fall administration. The winter score was then determined by the halfway point of the fall and spring i-Ready scale score. The table below indicates the projected pathway based on 2024-25 data. Scales scores could not be obtained for grades 7 and 8 due to insufficient data due to the limited number of students who achieved proficiency on the MCAP assessments.

i-Ready Path to MCAP Proficiency by Grade Level (Table 2)			
Grade	Fall Scale Score	Winter Scale Score	Spring Scale Score
3	445	454	462
4	467	478	489
5	487	496	505
6	513	524	534

3. HCPS norms were determined. Performance at key percentiles for i-Ready and MCAP is provided for each grade level in this document.
4. The scale scores established to determine the likelihood of a student being proficient on MCAP indicate in grades 4-6 that the students need to have a performance level of “Mid or Above Grade Level” in the spring. Alternatively, in grade 3, most students who passed MCAP earned a scale score of 462 on i-Ready in the spring, which is at the “Early On Grade Level” performance level.
5. On MCAP English/Language Arts Literacy assessments, students in grades 3-8 were proficient if they scored in the 37th – 48th percentile, which varies by grade. For MCAP math assessments, the percentiles ranged from 50 to 95 for students to meet proficiency. MCAP Grade 8 Math had the highest percentile to reach a scale score of 750, the 95th percentile. This indicates that middle school students are performing better on the MCAP ELA assessments versus the MCAP math assessments. The Maryland State Department of Education (MSDE) continues to explore the rigor of the state assessments and will be releasing new state assessments during the 2026-27 school year.

6. For grades 3-8, the median performance of all HCPS schools was analyzed. Median performance was higher on i-Ready than on MCAP, which again demonstrates the rigor of the state assessments. The table below indicates the median scores for both assessments. This table also demonstrates the level of difficulty of the MCAP math assessments as students age.

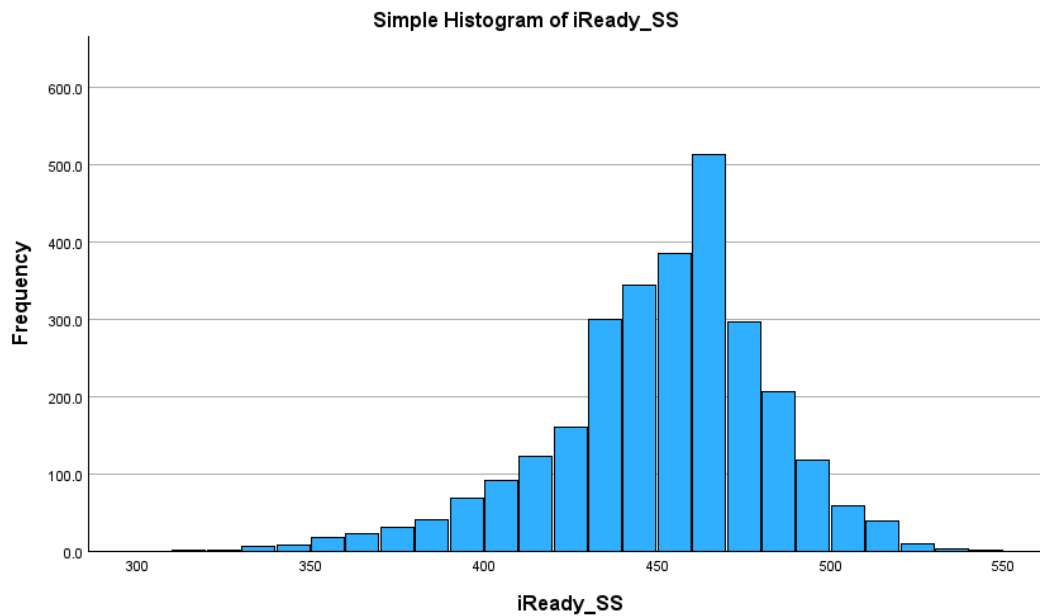
Median Scores of i-Ready and MCAP Spring 2025 (Table 3)		
Grade	Median for i-Ready Spring	Median for MCAP Spring
3	63%	52%
4	62%	42%
5	60%	38%
6	47%	21%
7	36%	21%
8	35%	4%

Study Limitations

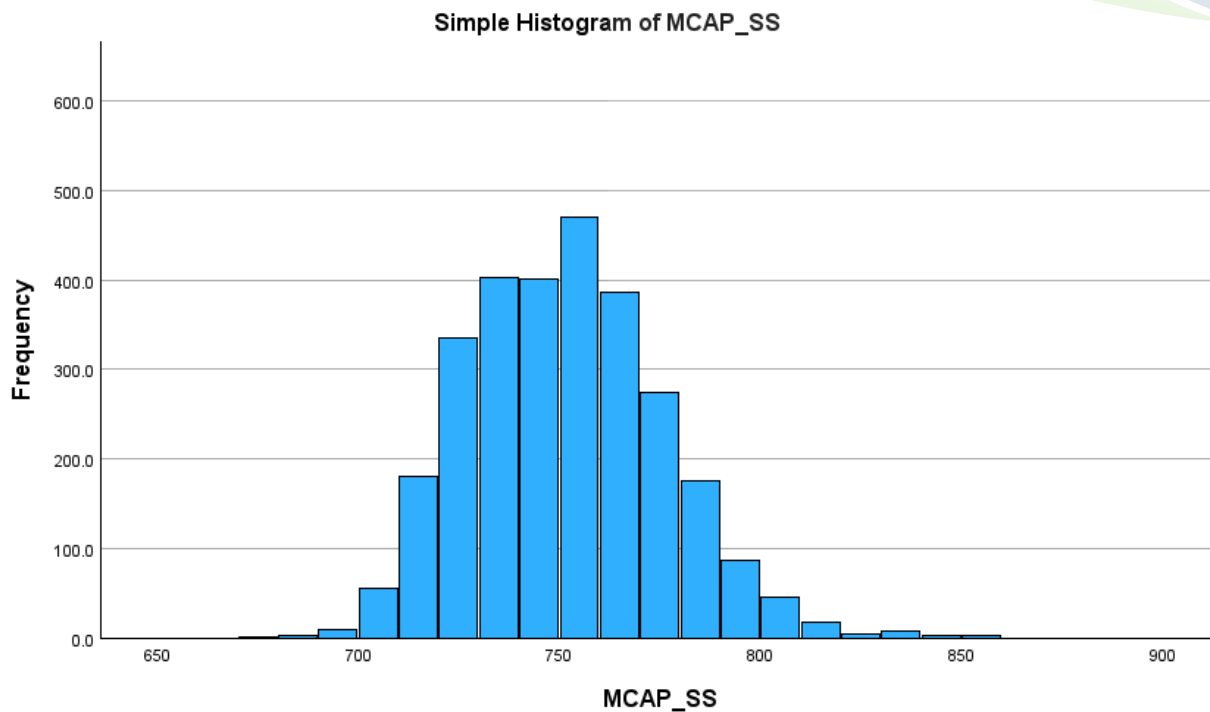
1. Since i-Ready was fully implemented in the 2024-25 school year, only one year of data was used to compare i-Ready and MCAP scores. Having additional data in future years will strengthen the findings.
2. i-Ready does not assess content or reasoning on the mathematics test. Therefore, educators need to use the approved curricular resources and released MCAP items, to teach and assess modeling and reasoning.
3. In any assessment, there is a standard error of measurement, which indicates the expected margin of error in test scores due to factors like test construction and administration.
4. Student motivation levels while taking these assessments cannot be measured. Grade 5 and 8 students have additional assessments to take in the spring and may easily have “test fatigue.”
5. Scores were analyzed from all test takers, including students who may have recently entered an HCPS school.

Grade 3 Mathematics

The histograms below indicate performance on the spring 2025 administration of the i-Ready diagnostic and MCAP assessments. It is important to note that the scale score range for the i-Ready assessments is from 100 to 800, and the scale score range for all MCAP assessments is 650 to 850. HCPS performance by percentiles is displayed in Tables 4 and 5 for i-Ready and MCAP, respectively.

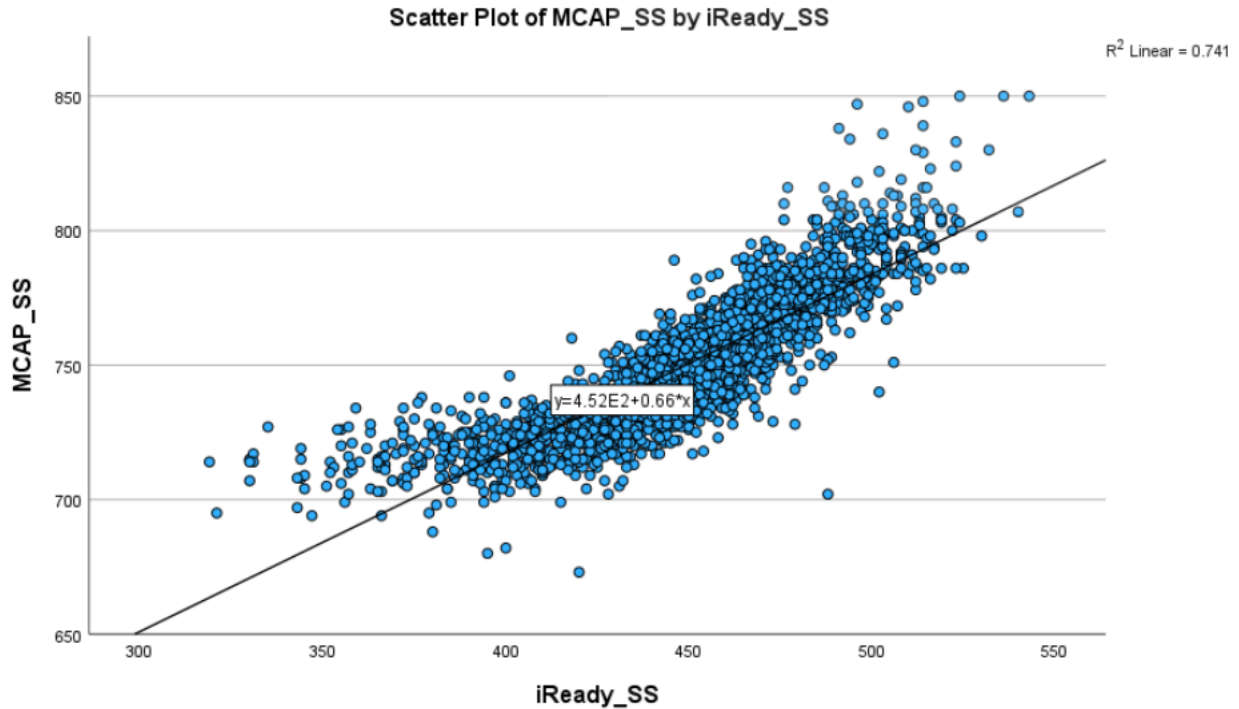


HCPS i-Ready Grade 3 Math Spring 2025 Performance (Table 4)		
Percentile	Scale Score	Placement Level
10	409	Two Grade Levels Below
20	430	One Grade Level Below
25	434	One Grade Level Below
30	439	One Grade Level Below
40	447	One Grade Level Below
50	455	Early On Grade Level
60	461	Early On Grade Level
70	466	Mid or Above Grade Level
75	470	Mid or Above Grade Level
80	473	Mid or Above Grade Level
90	487	Mid or Above Grade Level
95	497	Mid or Above Grade Level



HCPS MCAP Grade 3 Spring 2025 Performance (Table 5)		
Percentile	Scale Score	Proficiency Level
10	721	Beginning Learner
20	729	Developing Learner
25	733	Developing Learner
30	736	Developing Learner
40	744	Developing Learner
50	750	Proficient Learner
60	756	Proficient Learner
70	763	Proficient Learner
75	766	Proficient Learner
80	771	Proficient Learner
90	782	Proficient Learner
95	793	Distinguished Learner

Scatterplot i-Ready and MCAP Math Spring 2025



The correlation coefficient between these two assessments is 0.861, yielding a strong correlation. The equation for the line of best fit can be represented by $y = 0.664x + 451.644$.

1,474 out of 2,865 third-grade students, or 51.4%, earned a proficient score or higher on the MCAP ELA assessment, which is a scale score of at least 750. The table below indicates the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

Grade 3 i-Ready Math Scores with MCAP Proficiency (Table 6)		
i-Ready Grade 3 Spring Math Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Grade 3 Math
100-450	1246	9.7%
451-460	406	58.1%
461-470	499	86.6%
471-480	278	96.8%
460 or higher	1247	92.7%
462 or higher	1134	94.7%
465 or higher	931	96.7%

As indicated in Table 6, approximately 95% of students who scored a 462 or higher on the spring administration of i-Ready Grade 3 passed the MCAP assessment. A score of 462 places a student at the upper end of the “Early On Grade Level” placement level. Approximately 40% of students at this grade level earned a score of 462 or higher on the i-Ready spring assessment.

2,764 third-grade students participated in the fall and spring administrations of the i-Ready reading assessment. The mean and median growth of scale scores for this cohort was 24 points. Knowing the typical growth of students from the fall to the spring can indicate a student’s fall score on i-Ready to be proficient on the MCAP assessment. Since the mean and median growth was 24 points, this indicates the data should be analyzed for students who scored at least 438 on the fall administration of i-Ready.

2,781 students in grade three had a fall i-Ready and spring MCAP score. From this cohort, Table 7 shows the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

Grade 3 i-Ready Fall Scores with MCAP Proficiency (Table 7)		
i-Ready Grade 3 Fall Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Grade 3 Math
438 or higher	1066	90.4%
442 or higher	869	93.6%
444 or higher	772	94.3%
445 or higher	739	94.9%

As indicated in Table 7, a student scoring 445 or higher on the fall i-Ready assessment has a 95% likelihood of passing the MCAP assessment. Based on this cohort, 26.5% of students earned a score of 445 or higher on the fall i-Ready assessment. A scale score of 445 places the student at the higher end of the “One Grade Level Below” placement level.

Table 8 indicates the minimal scale score that a student would need to earn on the i-Ready assessment windows to pass the corresponding MCAP assessment with 95% confidence.

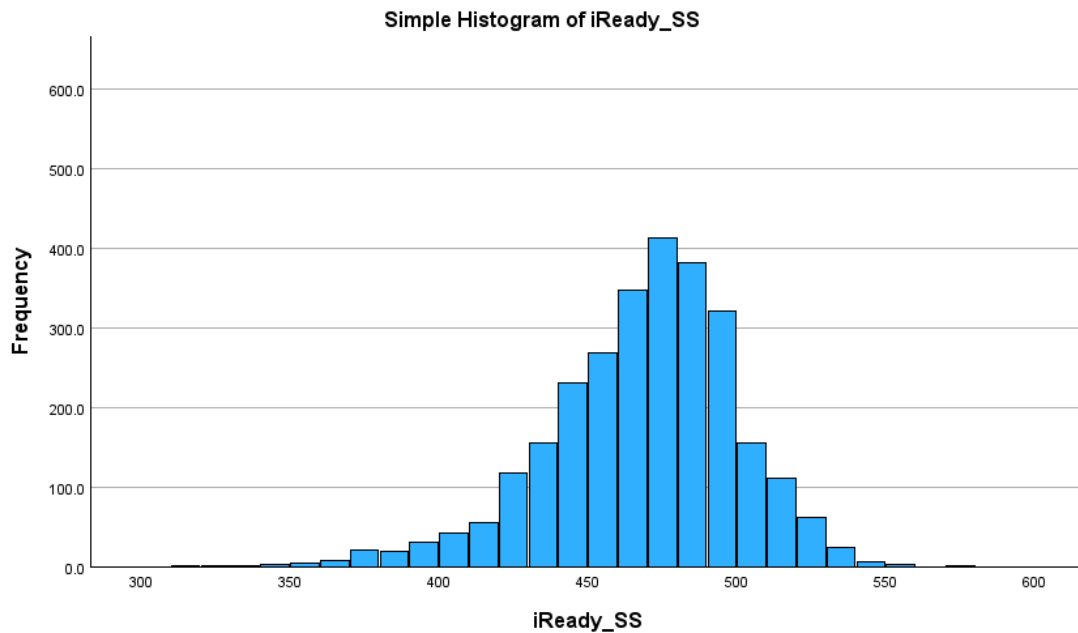
i-Ready Path to MCAP Proficiency: Grade 3 Math (Table 8)		
Fall	Winter	Spring
445	454	462

Data regarding performance on i-Ready and MCAP at this grade level indicates that the median score of all elementary schools was 63% on i-Ready and 52% on MCAP. This indicates that students at the median schools scored about 11% higher on i-Ready than on MCAP.

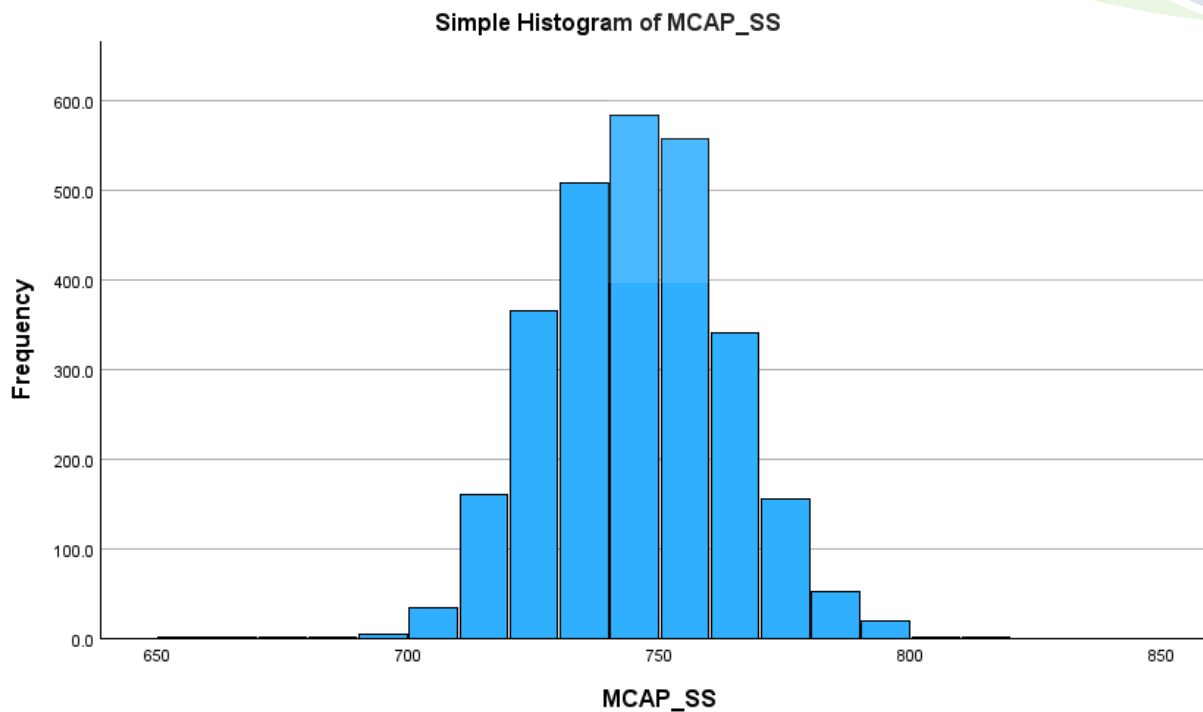


Grade 4 Mathematics

The histograms below indicate performance on the spring 2025 administration of the i-Ready diagnostic and MCAP assessments. It is important to note that the scale score range for the i-Ready assessments is from 100 to 800, and the scale score range for all MCAP assessments is 650 to 850. HCPS performance by percentiles is displayed in Tables 9 and 10 for i-Ready and MCAP, respectively.

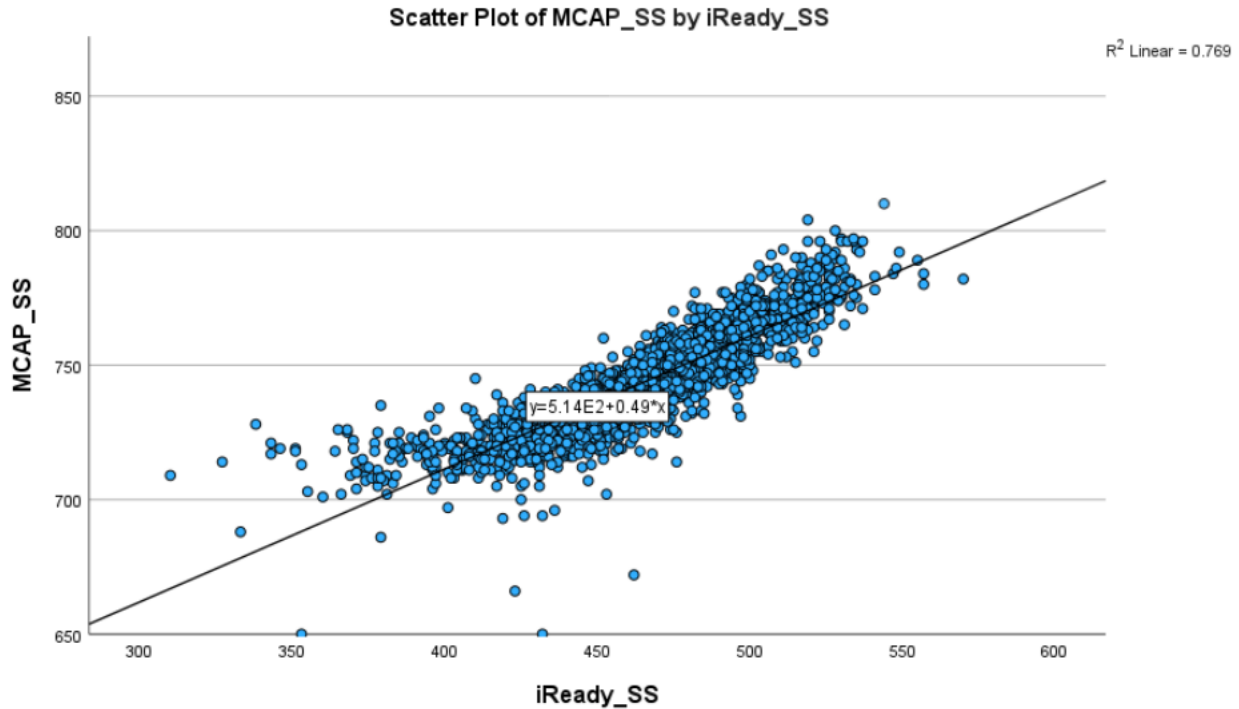


HCPS Grade 4 i-Ready Spring 2025 Performance (Table 9)		
Percentile	Scale Score	Placement Level
10	427	Two Grade Levels Below
20	444	One Grade Level Below
25	450	One Grade Level Below
30	455	One Grade Level Below
40	464	One Grade Level Below
50	471	Early On Grade Level
60	478	Early On Grade Level
70	484	Mid or Above Grade Level
75	489	Mid or Above Grade Level
80	494	Mid or Above Grade Level
90	503	Mid or Above Grade Level
95	516	Mid or Above Grade Level



HCPS MCAP Grade 4 Spring 2025 Performance (Table 10)		
Percentile	Scale Score	Proficiency Level
10	722	Beginning Learner
20	729	Developing Learner
25	732	Developing Learner
30	735	Developing Learner
40	740	Developing Learner
50	745	Developing Learner
60	750	Proficient Learner
70	755	Proficient Learner
75	757	Proficient Learner
80	760	Proficient Learner
90	768	Proficient Learner
95	774	Proficient Learner

Scatterplot i-Ready and MCAP Math Spring 2025



The correlation coefficient between these two assessments is 0.877, yielding a strong correlation. The equation for the line of best fit can be represented by $y = 0.494x + 513.67$.

1,129 out of 2,793 fourth-grade students, or 40.4%, earned a proficient score or higher on the MCAP ELA assessment, which is a scale score of at least 750. The table below indicates the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

Grade 4 i-Ready Spring Scores with MCAP Proficiency (Table 11)		
i-Ready Grade 4 Spring Reading Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Grade 4 Math
100-475	1607	9.6%
480 or higher	1066	86.5%
485 or higher	830	92.3%
489 or higher	713	94.5%
490 or higher	684	95.3%

As indicated in Table 11, approximately 95% of students who scored a 489 or higher on the spring administration of i-Ready Grade 4 passed the MCAP assessment. A score of 489 places a student at the “Mid or Above Grade Level” placement level. Approximately 25.6% of students at this grade level earned a score of 489 or higher on the i-Ready spring assessment.

2,713 fourth-grade students participated in the fall and spring administrations of the i-Ready reading assessment. The mean growth was 21 points and the median growth was 22 points. Knowing the typical growth of students from the fall to the spring can indicate a student’s fall score on i-Ready to be proficient on the MCAP assessment. Since the median growth was 22 points, this indicates the data should be analyzed for students who scored at least 467 on the fall administration of i-Ready.

2,718 students in grade four had a fall i-Ready and spring MCAP score. From this cohort, Table 12 shows the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

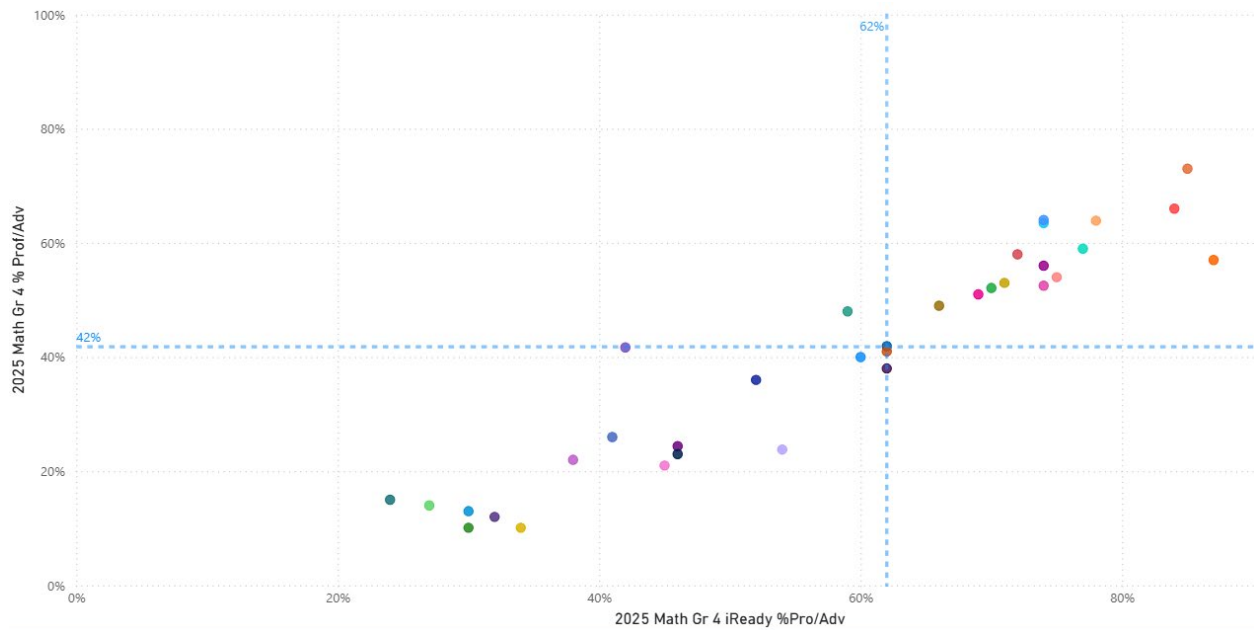
Grade 4 i-Ready Fall Scores with MCAP Proficiency (Table 12)		
i-Ready Grade 4 Fall Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Grade 4 Math
465 or higher	658	92.2%
467 or higher	588	93.5%
470 or higher	478	95.8%

As indicated in Table 12, a student scoring 467 or higher on the fall i-Ready assessment has a 95% likelihood of passing the MCAP assessment. Based on this cohort, 21.6% of students earned a score of 467 or higher on the fall i-Ready assessment. A scale score of 467 places the student at the lower end of the “Early on Grade Level” placement level.

Table 13 indicates the minimal scale score that a student would need to earn on the i-Ready assessment windows to pass the corresponding MCAP assessment with 95% confidence.

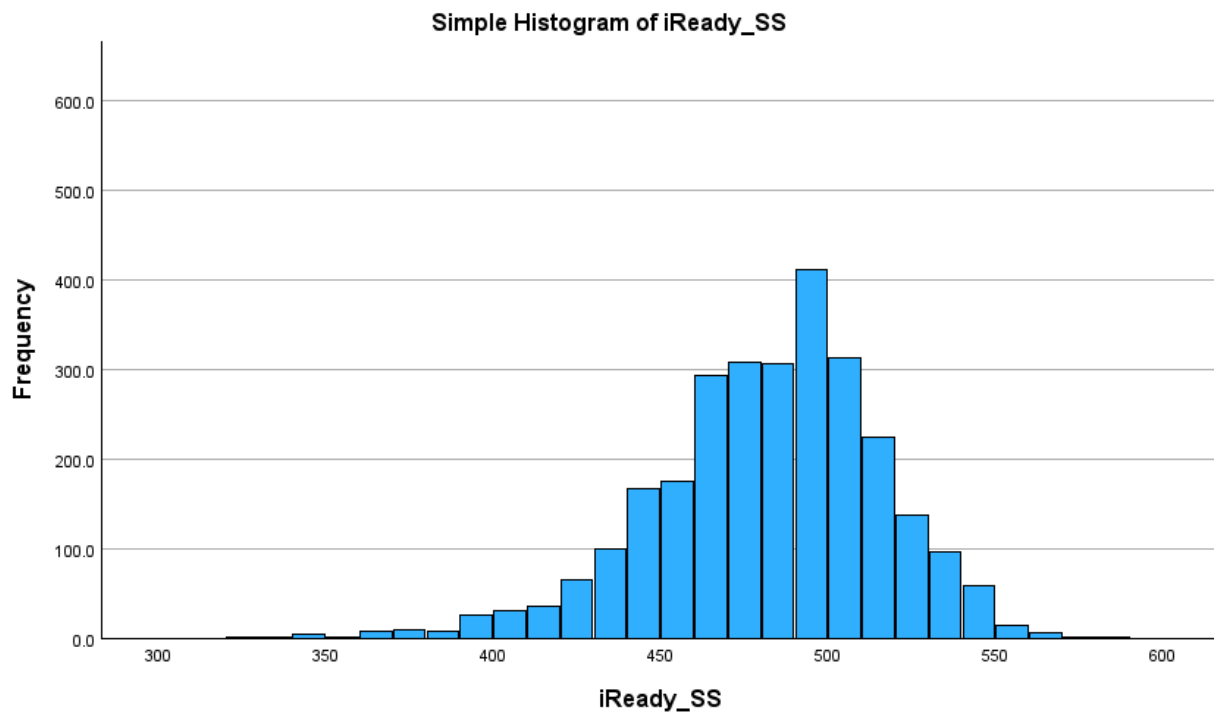
i-Ready Path to MCAP Proficiency: Grade 4 Math (Table 13)		
Fall	Winter	Spring
467	478	489

Data regarding performance on i-Ready and MCAP at this grade level indicates that the median score of all elementary schools was 62% on i-Ready and 42% on MCAP. This indicates that students at the median schools scored about 20% higher on i-Ready than on MCAP.

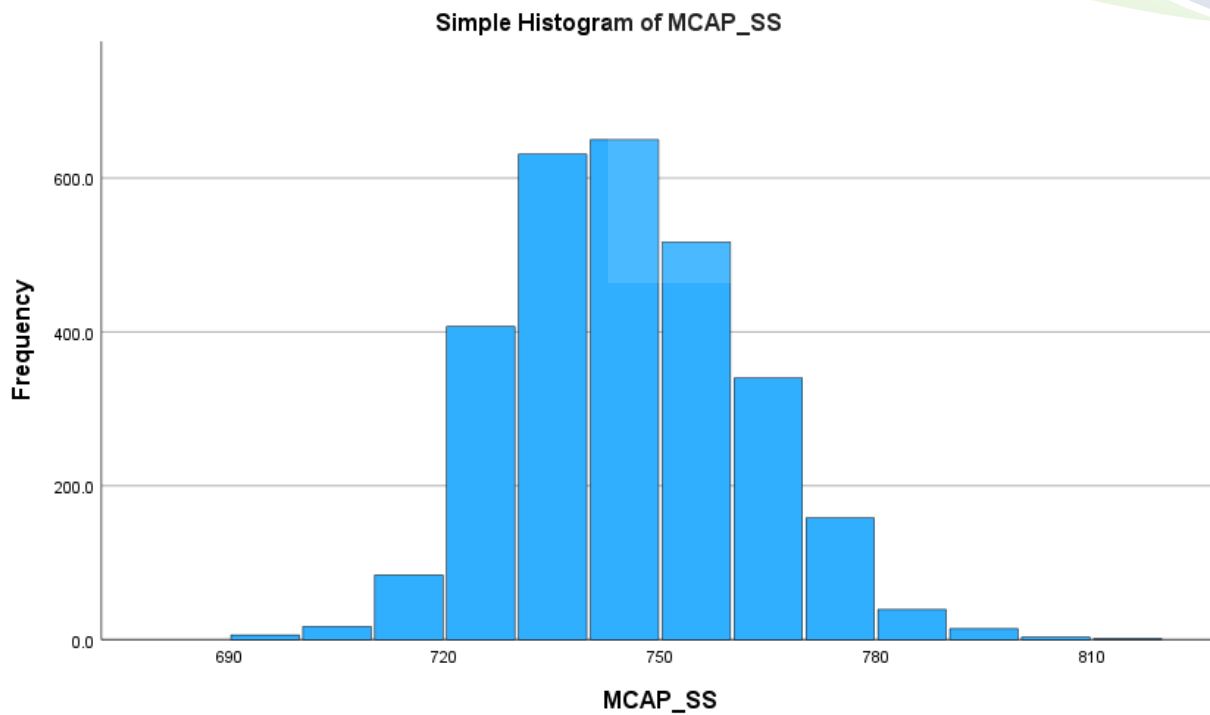


Grade 5 Mathematics

The histograms below indicate performance on the spring 2025 administration of the i-Ready diagnostic and MCAP assessments. It is important to note that the scale score range for the i-Ready assessments is from 100 to 800, and the scale score range for all MCAP assessments is 650 to 850. HCPS performance by percentiles is displayed in Tables 14 and 15 for i-Ready and MCAP, respectively.

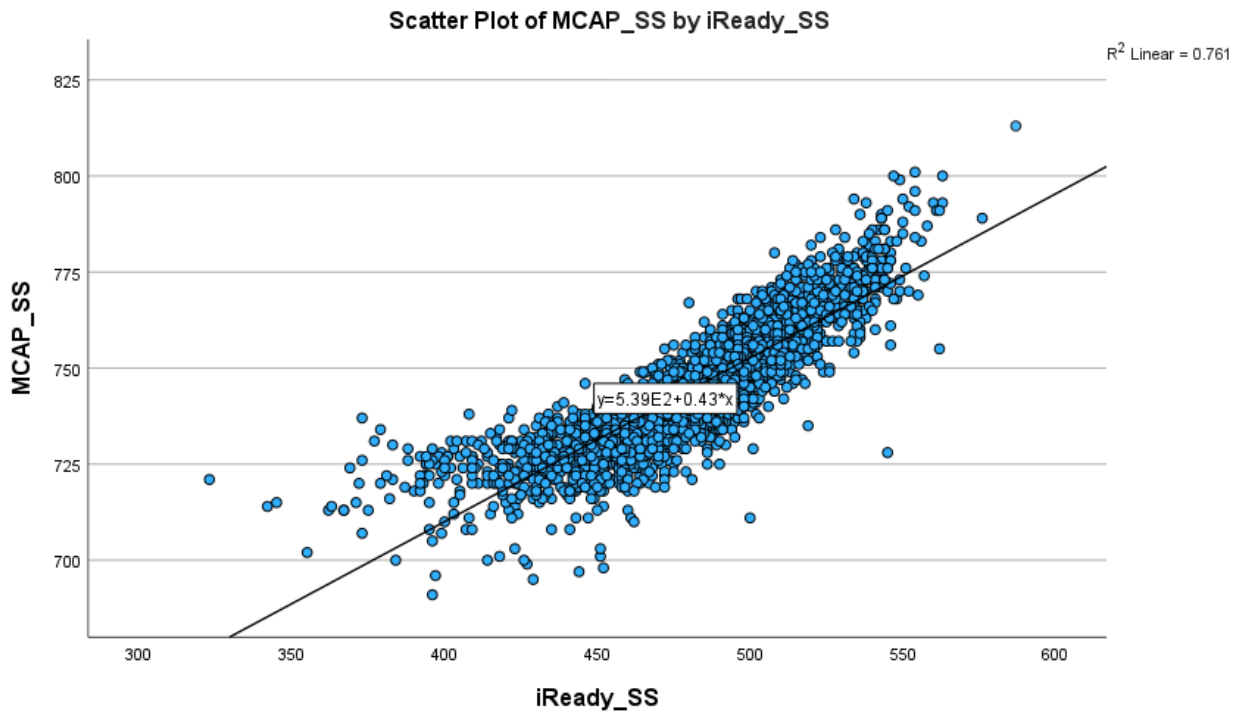


HCPS Grade 5 i-Ready Spring 2025 Performance (Table 14)		
Percentile	Scale Score	Placement Level
10	439	Two Grade Levels Below
20	457	One Grade Level Below
25	462	One Grade Level Below
30	467	One Grade Level Below
40	474	One Grade Level Below
50	485	Early On Grade Level
60	494	Early On Grade Level
70	500	Mid or Above Grade Level
75	504	Mid or Above Grade Level
80	509	Mid or Above Grade Level
90	521	Mid or Above Grade Level
95	534	Mid or Above Grade Level



HCPS MCAP Grade 5 Spring 2025 Performance (Table 15)		
Percentile	Scale Score	Proficiency Level
10	725	Developing Learner
20	730	Developing Learner
25	733	Developing Learner
30	735	Developing Learner
40	740	Developing Learner
50	744	Developing Learner
60	748	Developing Learner
70	753	Proficient Learner
75	756	Proficient Learner
80	759	Proficient Learner
90	766	Proficient Learner
95	773	Proficient Learner

Scatterplot i-Ready and MCAP ELA Spring 2025



The correlation coefficient between these two assessments is 0.872, yielding a strong correlation. The equation for the line of best fit can be represented by $y = 0.427x + 539.4$.

1,072 out of 2,867 fifth-grade students, or 37.4%, earned a proficient score or higher on the MCAP ELA assessment, which is a scale score of at least 750. The table below indicates the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

Grade 5 i-Ready Spring Scores with MCAP Proficiency (Table 16)		
i-Ready Grade 5 Spring Reading Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Grade 5 Math
100-500	1995	15.2%
501-510	307	84%
511-520	199	95%
521-530	130	97.7%
502 or higher	782	93.5%
505 or higher	698	95%

As indicated in Table 16, approximately 95% of students who scored a 505 or higher on the spring administration of i-Ready Grade 5 passed the MCAP assessment. A score of 505 places a student at the lower end of “Mid or Above Grade Level” placement level. Approximately 25% of students at this grade level earned a score of 505 or higher on the i-Ready spring assessment.

2,718 fifth-grade students participated in the fall and spring administrations of the i-Ready reading assessment. The mean growth of scale scores for this cohort was 17 points and the median was 18 points. Knowing the typical growth of students from the fall to the spring can indicate a student’s fall score on i-Ready to be proficient on the MCAP assessment. Using the median growth, this indicates the data should be analyzed for students who scored at least 487 on the fall administration of i-Ready.

2,779 students in grade five had a fall i-Ready and spring MCAP score. From this cohort, Table 17 shows the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

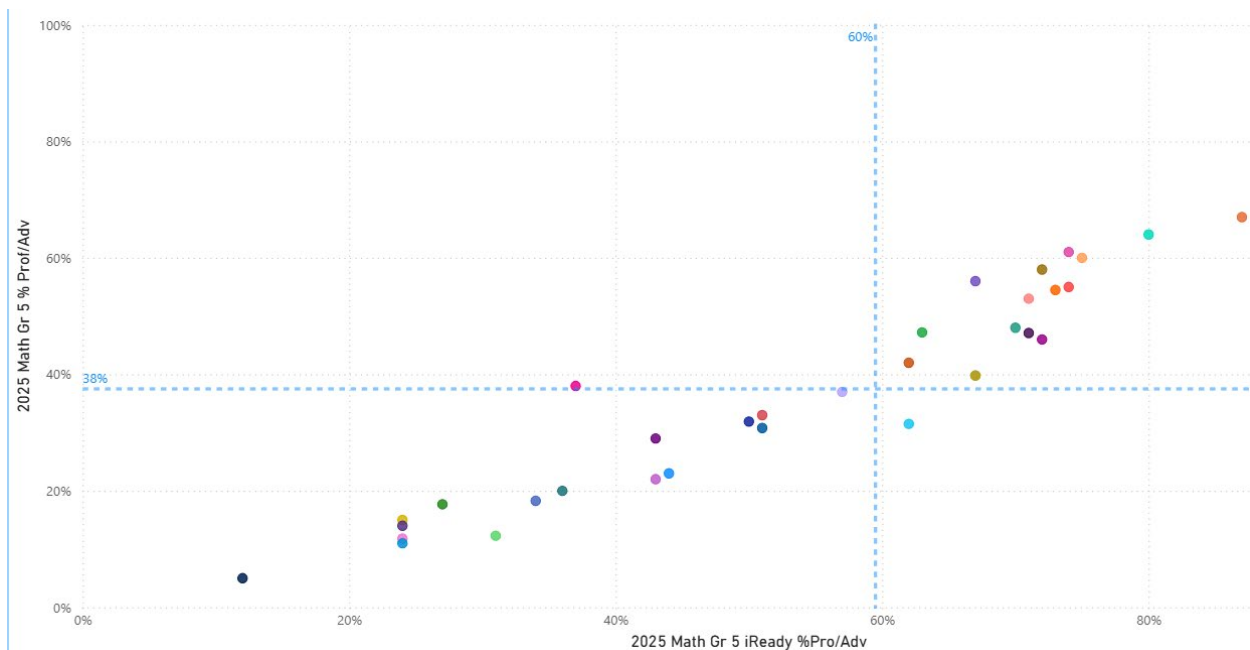
Grade 5 i-Ready Fall Scores with MCAP Proficiency (Table 17)		
i-Ready Grade 5 Fall Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Grade 5 Math
486 or higher	590	94.2%
487 or higher	564	95%
488 or higher	530	96.6%
490 or higher	486	97.1%

As indicated in Table 17, a student scoring 487 or higher on the fall i-Ready assessment has a 95% likelihood of passing the MCAP assessment. Based on this cohort, 19.6% of students earned a score of 487 or higher on the fall i-Ready assessment. A scale score of 487 places the student at the “Early On Grade Level” placement level.

Table 18 indicates the minimal scale score that a student would need to earn on the i-Ready assessment windows to pass the corresponding MCAP assessment with 95% confidence.

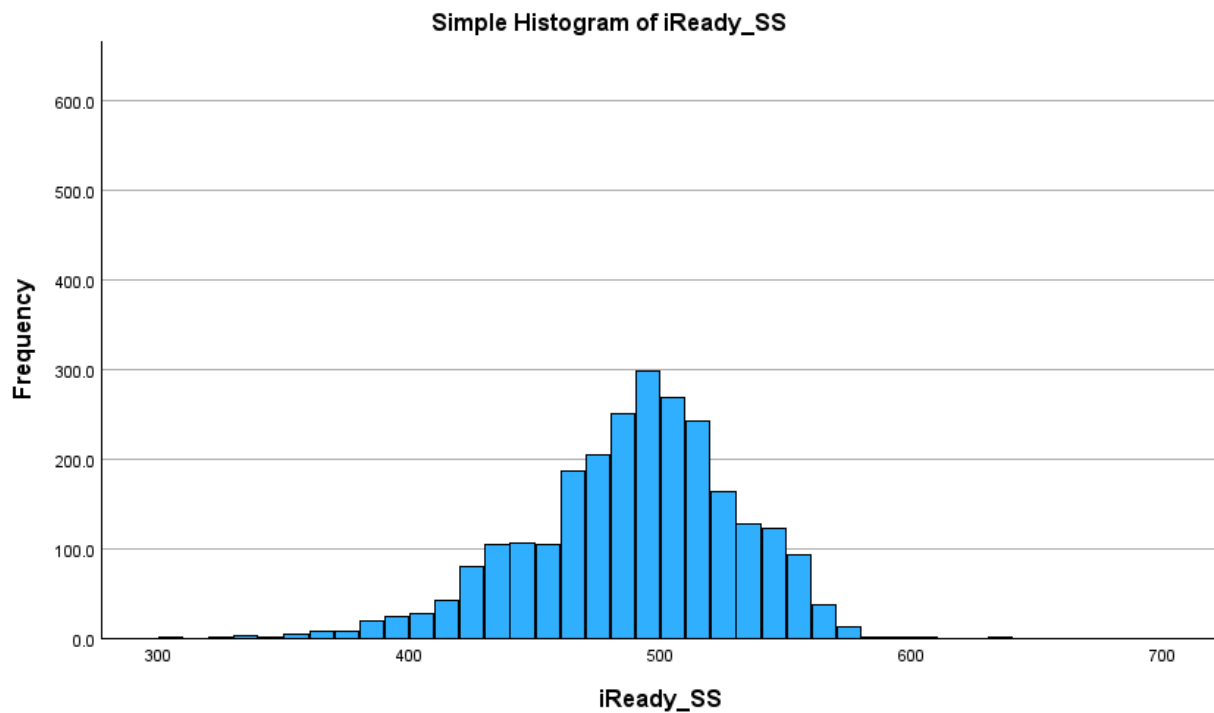
i-Ready Path to MCAP Proficiency: Grade 5 Math (Table 18)		
Fall	Winter	Spring
487	496	505

Data regarding performance on i-Ready and MCAP at this grade level indicates that the median score of all elementary schools was 60% on i-Ready and 38% on MCAP. This indicates that students at the median schools are performing about 22% higher on i-Ready than on MCAP.

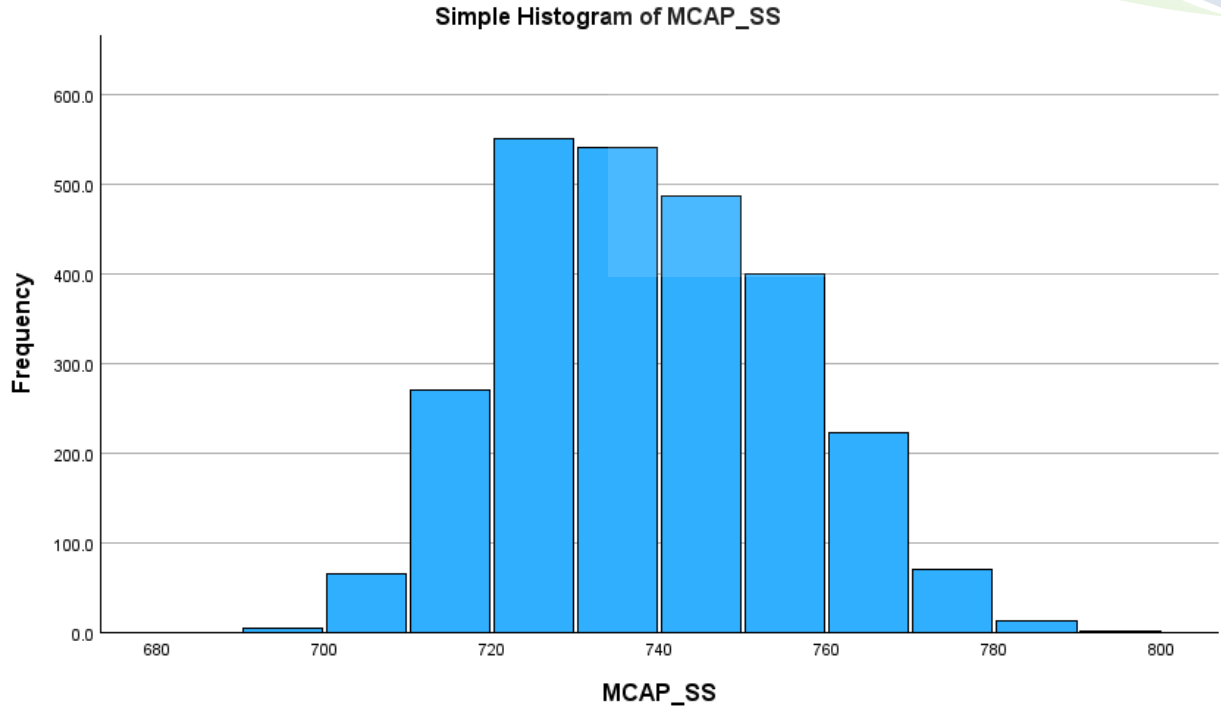


Grade 6 Mathematics

The histograms below indicate performance on the spring 2025 administration of the i-Ready diagnostic and MCAP assessments. It is important to note that the scale score range for the i-Ready assessments is from 100 to 800, and the scale score range for all MCAP assessments is 650 to 850. HCPS performance by percentiles is displayed in Tables 19 and 20 for i-Ready and MCAP, respectively.

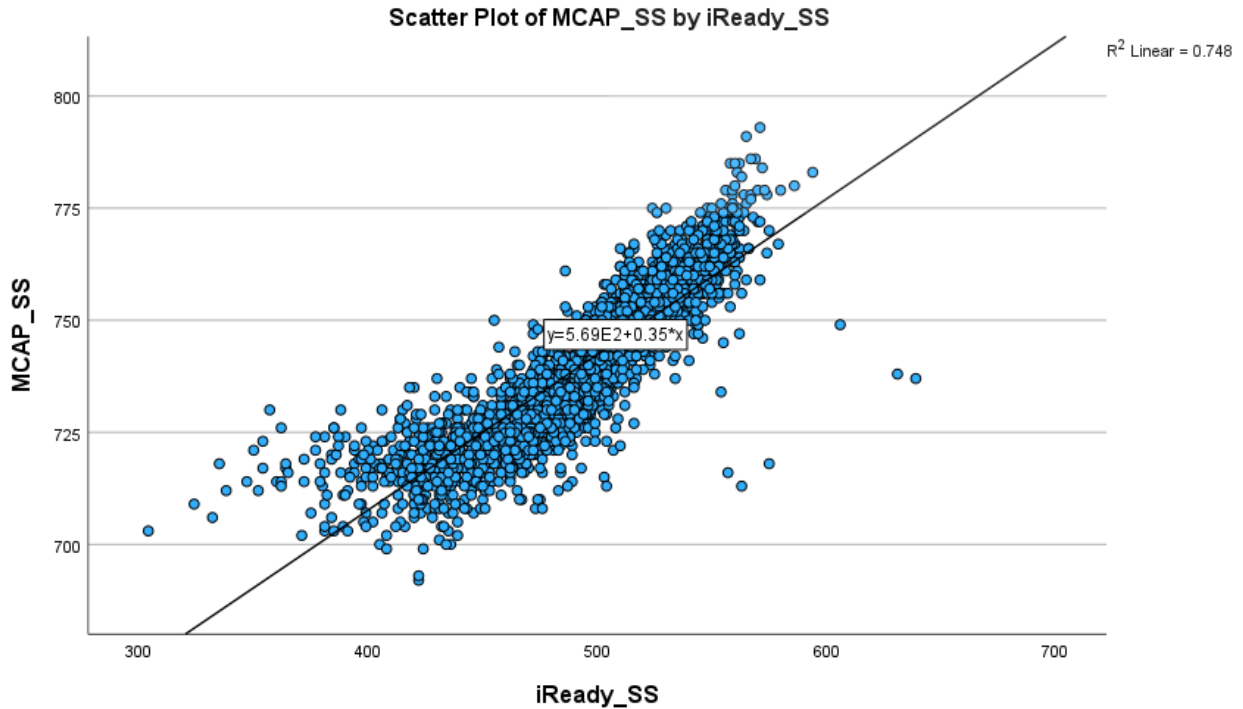


HCPS Grade 6 i-Ready Spring 2025 Performance (Table 19)		
Percentile	Scale Score	Placement Level
10	433	Three or More Grade Levels Below
20	457	Two Grade Levels Below
25	465	One Grade Level Below
30	472	One Grade Level Below
40	483	One Grade Level Below
50	495	Early On Grade Level
60	501	Early On Grade Level
70	511	Early On Grade Level
75	515	Mid or Above Grade Level
80	523	Mid or Above Grade Level
90	541	Mid or Above Grade Level
95	551	Mid or Above Grade Level



HCPS MCAP Grade 6 Spring 2025 Performance (Table 20)		
Percentile	Scale Score	Proficiency Level
10	717	Beginning Learner
20	723	Beginning Learner
25	725	Developing Learner
30	728	Developing Learner
40	732	Developing Learner
50	737	Developing Learner
60	742	Developing Learner
70	748	Developing Learner
75	750	Proficient Learner
80	753	Proficient Learner
90	761	Proficient Learner
95	766	Proficient Learner

Scatterplot i-Ready and MCAP ELA Spring 2025



The correlation coefficient between these two assessments is 0.865, yielding a strong correlation. The equation for the line of best fit can be represented by $y = 0.347x + 568.898$.

707 out of 2,627 sixth-grade students, or 26.9%, earned a proficient score or higher on the MCAP ELA assessment, which is a scale score of at least 750. The table below indicates the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

Grade 6 i-Ready Spring Scores with MCAP Proficiency (Table 21)		
i-Ready Grade 6 Spring Reading Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Grade 6 Math
100-525	2082	12.8%
526-535	147	86.4%
536-545	121	95%
530 or higher	398	93.7%
532 or higher	376	93.8%
534 or higher	345	94.8%
536 or higher	320	95%

As indicated in Table 21, approximately 95% of students who scored a 534 or higher on the spring administration of i-Ready Grade 6 passed the MCAP assessment. A score of 534 places a student at the “Mid or Above Grade Level” placement level. Approximately 13.6% of students at this grade level earned a score of 534 or higher on the i-Ready spring assessment.

2,433 sixth-grade students participated in the fall and spring administrations of the i-Ready reading assessment. The mean growth of scale scores for this cohort was 14 points and the median growth was 15. Knowing the typical growth of students from the fall to the spring can indicate a student’s fall score on i-Ready to be proficient on the MCAP assessment. Using the median growth, this indicates the data should be analyzed for students who scored at least 519 on the fall administration of i-Ready.

2,491 students in grade six had a fall i-Ready and spring MCAP score. From this cohort, Table 22 shows the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

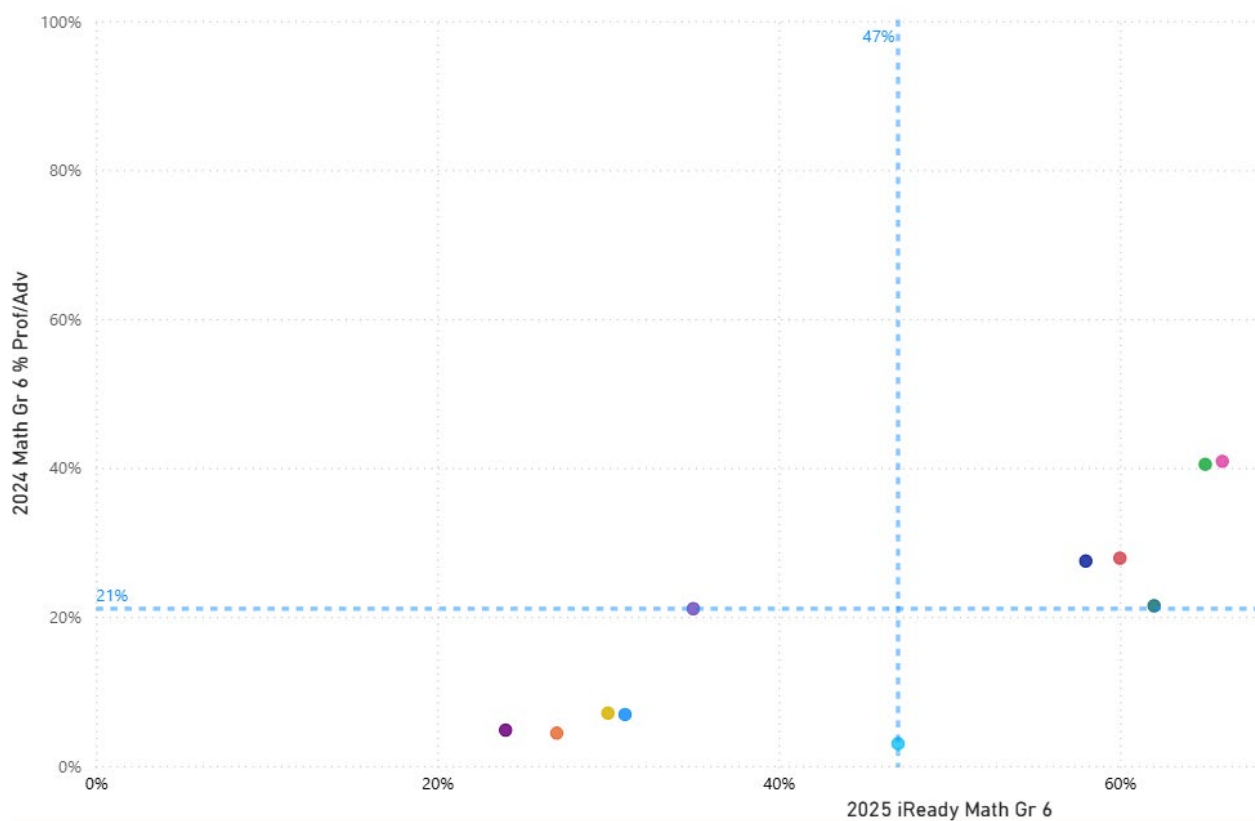
Grade 6 i-Ready Spring Scores with MCAP Proficiency (Table 22)		
i-Ready Grade 6 Fall Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Grade 6 Math
510 or higher	338	92.6%
512 or higher	281	94.3%
513 or higher	258	94.6%
515 or higher	218	95.6%

As indicated in Table 22, a student scoring 513 or higher on the fall i-Ready assessment has a 95% likelihood of passing the MCAP assessment. Based on this cohort, 10.4% of students earned a score of 513 or higher on the fall i-Ready assessment. A scale score of 595 places the student at the higher end of the “Early on Grade Level” placement level.

Table 23 indicates the minimal scale score that a student would need to earn on the i-Ready assessment windows to pass the corresponding MCAP assessment with 95% confidence.

i-Ready Path to MCAP Proficiency: Grade 6 Math (Table 23)		
Fall	Winter	Spring
513	524	534

Data regarding performance on i-Ready and MCAP at this grade level indicates that the median score of middle schools was 47% on i-Ready and 21% on MCAP. This indicates that students at the median schools scored 26 points higher on the i-Ready assessment than on the MCAP assessment.

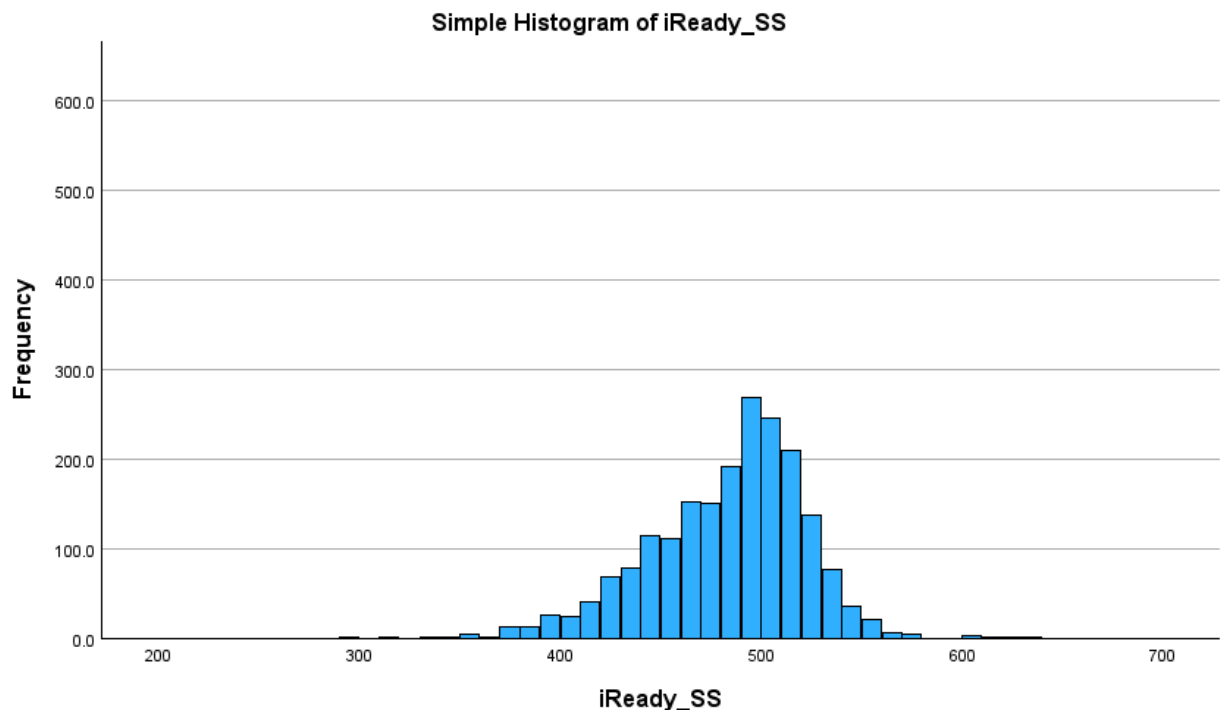


Grade 7 Mathematics

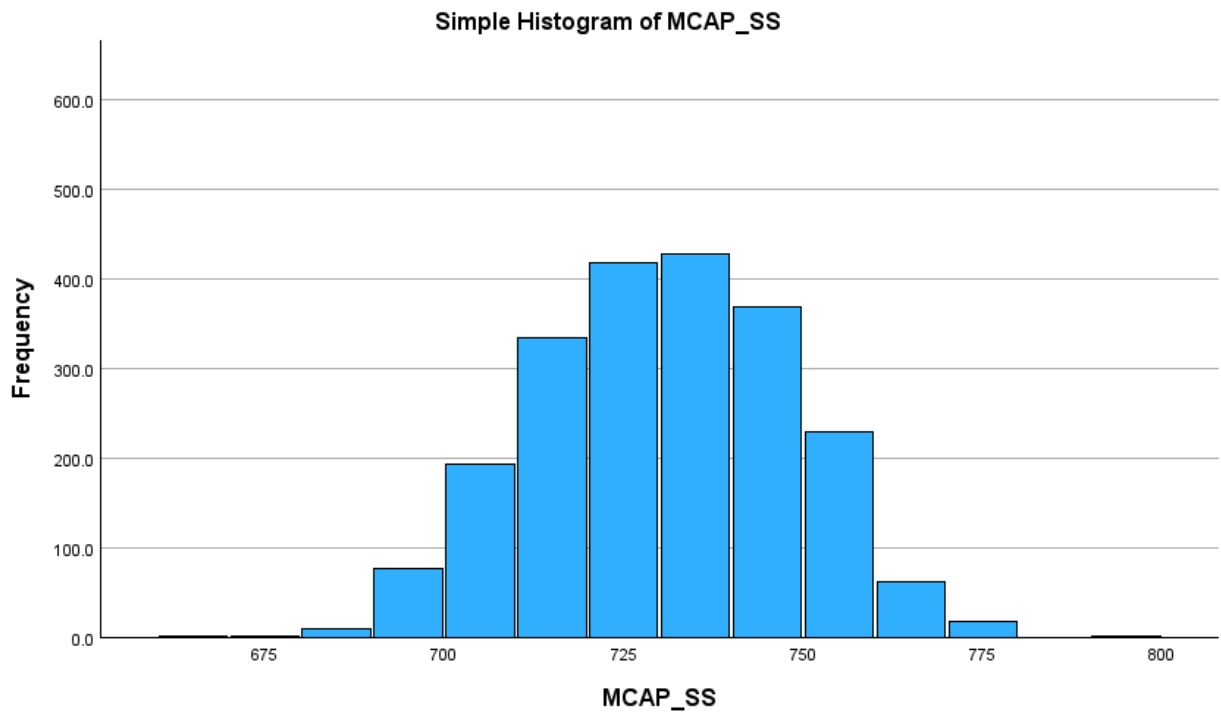
Students in grade 7 are either enrolled in Math 7 or Algebra I. In some circumstances, accelerated students may be enrolled in Geometry. Data for the 2024-25 school year indicates the number of test takers by course in Table 24.

Math Course Enrollment for Grade 7 (Table 24)		
Course	# Test Takers	% Test Takers
Math 7	2143	77.1%
Algebra I	633	22.8%
Geometry	3	0.1%

The histograms below indicate performance on the spring 2025 administration of the i-Ready diagnostic and the Math 7 MCAP assessment. Performance on MCAP Algebra I and Geometry will be analyzed separately. It is important to note that the scale score range for the i-Ready assessments is from 100 to 800, and the scale score range for all MCAP assessments is 650 to 850. HCPS performance by percentiles is displayed in Tables 25 and 26 for i-Ready and MCAP, respectively.



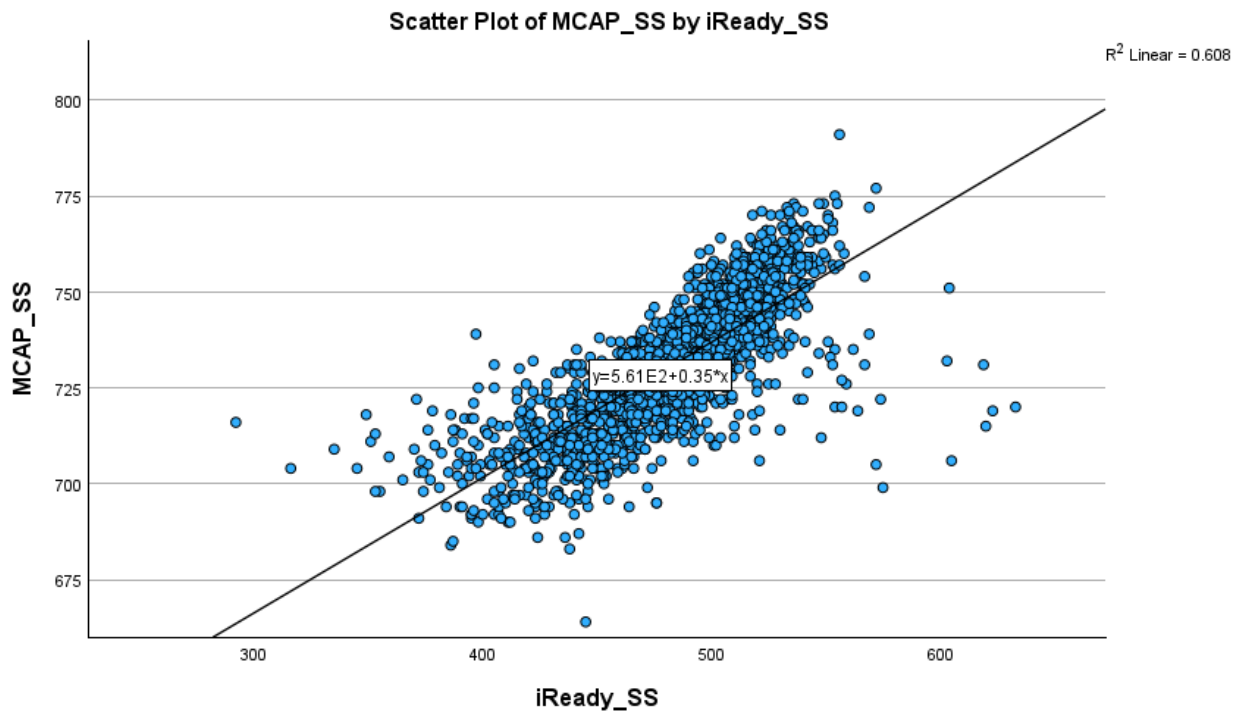
HCPS Grade 7 i-Ready Spring 2025 Performance (Table 25)		
Percentile	Scale Score	Placement Level
10	431	Three or More Grade Levels Below
20	451	Three or More Grade Levels Below
25	460	Three or More Grade Levels Below
30	466	Two Grade Levels Below
40	479	Two Grade Levels Below
50	490	One Grade Level Below
60	498	One Grade Level Below
70	505	One Grade Level Below
75	509	Early On Grade Level
80	513	Early On Grade Level
90	526	Early On Grade Level
95	536	Mid or Above Grade Level



HCPS MCAP Grade 7 Spring 2025 Performance (Table 26)		
Percentile	Scale Score	Proficiency Level
10	707	Beginning Learner
20	714	Developing Learner
25	717	Developing Learner
30	720	Developing Learner
40	726	Developing Learner
50	730	Developing Learner
60	735	Developing Learner
70	740	Developing Learner
75	743	Developing Learner
80	746	Developing Learner
90	754	Proficient Learner
95	758	Proficient Learner

It is important to note that the MCAP scale score of 750 to determine proficiency does not occur until the 86th percentile.

Scatterplot i-Ready and MCAP Math Spring 2025



The correlation coefficient between these two assessments is 0.78, yielding a strong correlation. The equation for the line of best fit can be represented by $y=0.353x + 560.564$.

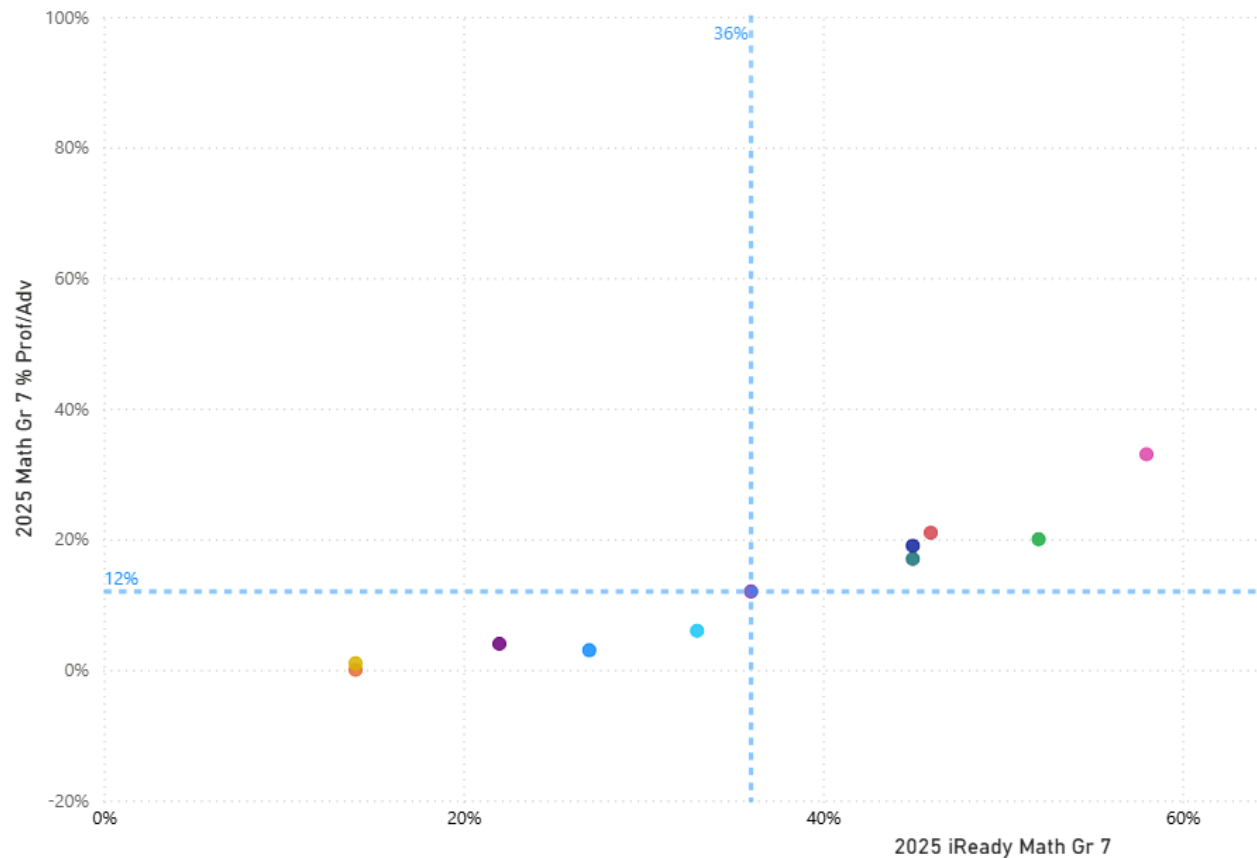
310 out of 2,143 seventh-grade students, or 14.5%, earned a proficient score or higher on the MCAP ELA assessment, which is a scale score of at least 750. The table below indicates the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

Grade 7 i-Ready Spring Scores with MCAP Proficiency (Table 27)		
i-Ready Grade 7 Spring Math Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Grade 7 Math
100-550	1965	14.8%
551-560	20	60%
561-570	2	33.3%
571-580	4	25%
560 or higher	17	23.5%
570 or higher	11	18.2%

There is insufficient data to determine i-Ready scale scores with a likelihood of 95% of students passing the corresponding MCAP assessment. Only 38 students who participated in the MCAP Math 7 assessment scored 550 or higher on the spring administration of i-Ready.

1,871 students enrolled in the Math 7 course have both a fall and spring i-Ready score. The mean and median growth scores for this cohort are 9 points from fall to spring.

Data regarding performance on i-Ready and MCAP at this grade level indicates that the median score of middle schools was 36% on i-Ready and 12% on MCAP. This indicates that students at the median school are performing 24 points higher on the i-Ready assessment than on MCAP.

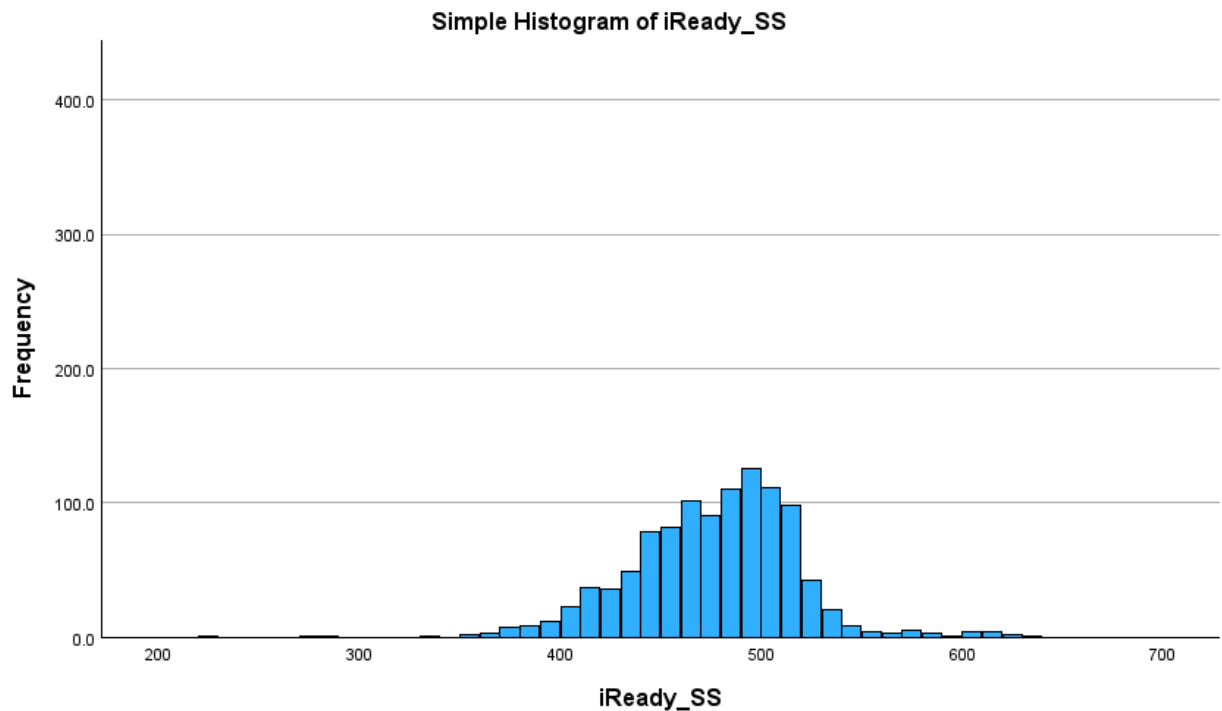


Grade 8 Mathematics

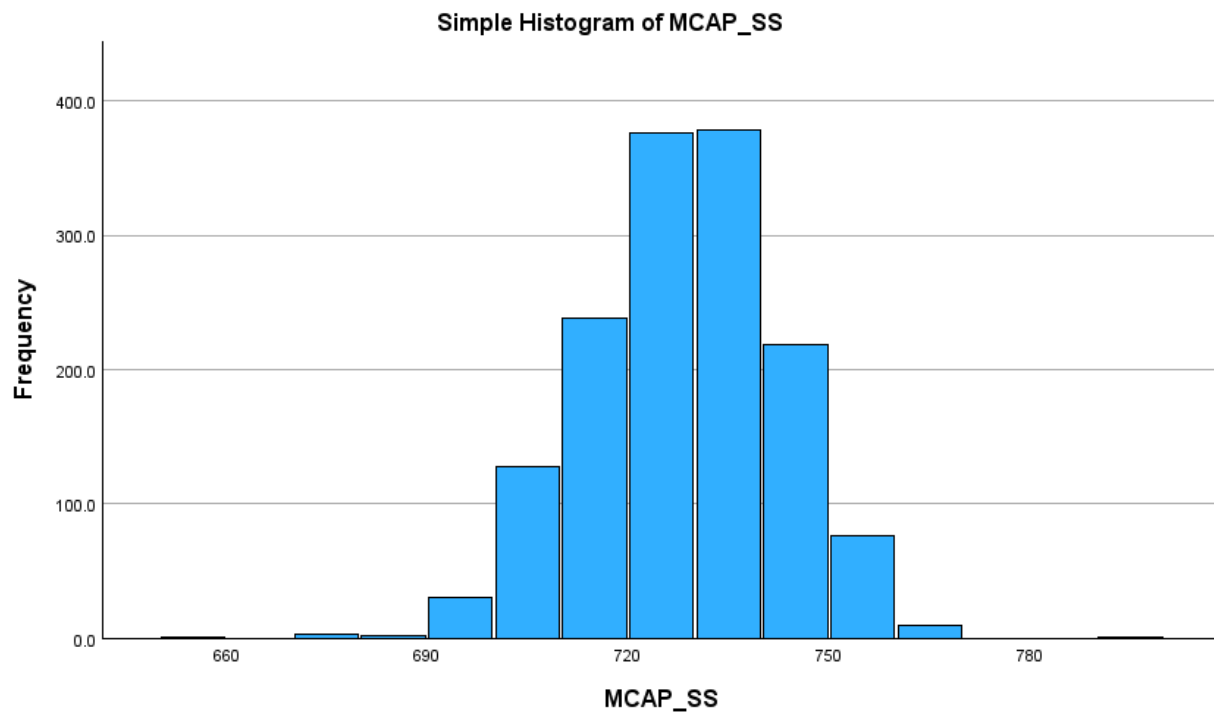
Students in grade 8 are enrolled in Math 8, Algebra I, or Geometry. In some circumstances, accelerated students may be enrolled in Algebra II. Data for the 2024-25 school year indicates the number of test takers by course in Table 28. For this section, data will be analyzed for only students enrolled in the Math 8 course.

Math Course Enrollment for Grade 8 (Table 28)		
Course	# Test Takers	% Test Takers
Math 8	1462	52.7%
Algebra I	745	26.9%
Geometry	558	20.1%
Algebra II	7	0.3%

The histograms below indicate performance on the spring 2025 administration of the i-Ready diagnostic and MCAP assessments. It is important to note that the scale score range for the i-Ready assessments is from 100 to 800, and the scale score range for all MCAP assessments is 650 to 850. HCPS performance by percentiles is displayed in Tables 29 and 30 for i-Ready and MCAP, respectively.



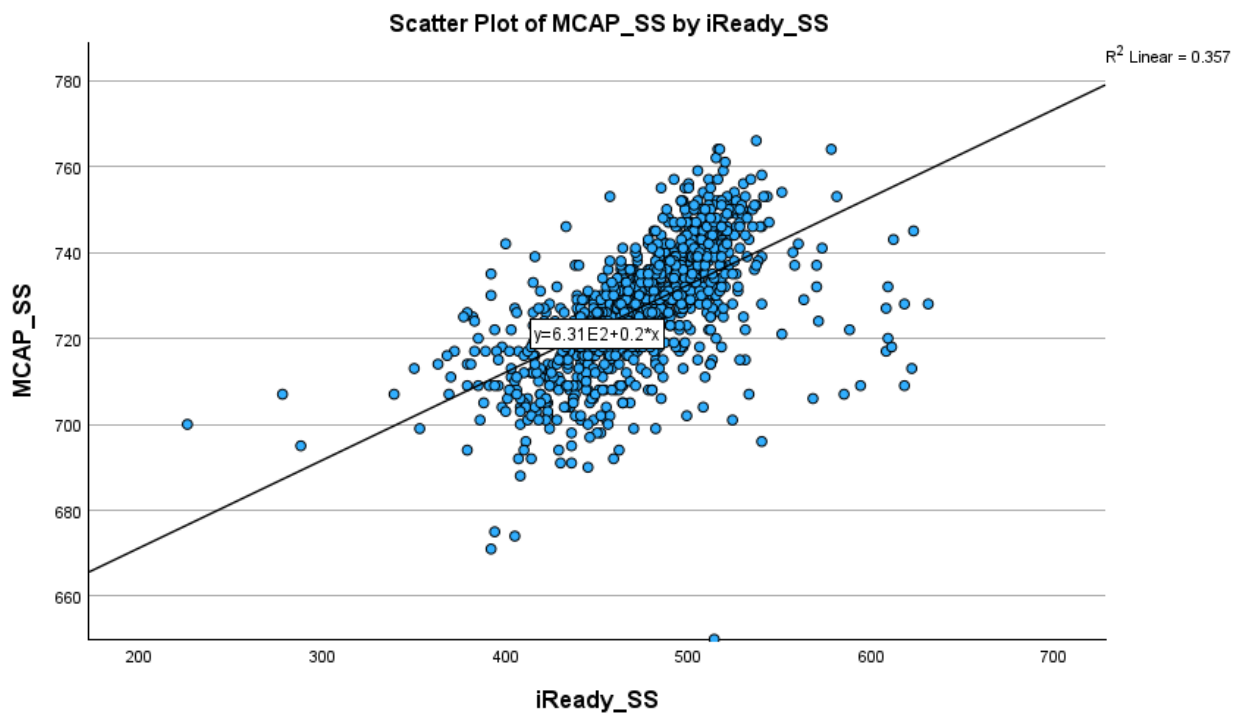
HCPS Grade 8 i-Ready Spring 2025 Performance (Table 29)		
Percentile	Scale Score	Placement Level
10	423	Three or More Grade Levels Below
20	444	Three or More Grade Levels Below
25	451	Three or More Grade Levels Below
30	457	Three or More Grade Levels Below
40	468	Three or More Grade Levels Below
50	480	Two Grade Levels Below
60	490	Two Grade Levels Below
70	498	One Grade Level Below
75	502	One Grade Level Below
80	508	One Grade Level Below
90	518	Early On Grade Level
95	530	Early On Grade Level



HCPS MCAP Grade 8 Spring 2025 Performance (Table 30)		
Percentile	Scale Score	Proficiency Level
10	709	Beginning Learner
20	716	Developing Learner
25	718	Developing Learner
30	721	Developing Learner
40	725	Developing Learner
50	729	Developing Learner
60	732	Developing Learner
70	736	Developing Learner
75	738	Developing Learner
80	740	Developing Learner
90	746	Developing Learner
95	750	Proficient Learner

It is important to note that the MCAP scale score of 750 to determine proficiency does not occur until the 95th percentile.

Scatterplot iReady and MCAP Math Spring 2025



The correlation coefficient between these two assessments is 0.598, yielding a moderate correlation. The equation for the line of best fit can be represented by $y=0.204x + 630.521$.

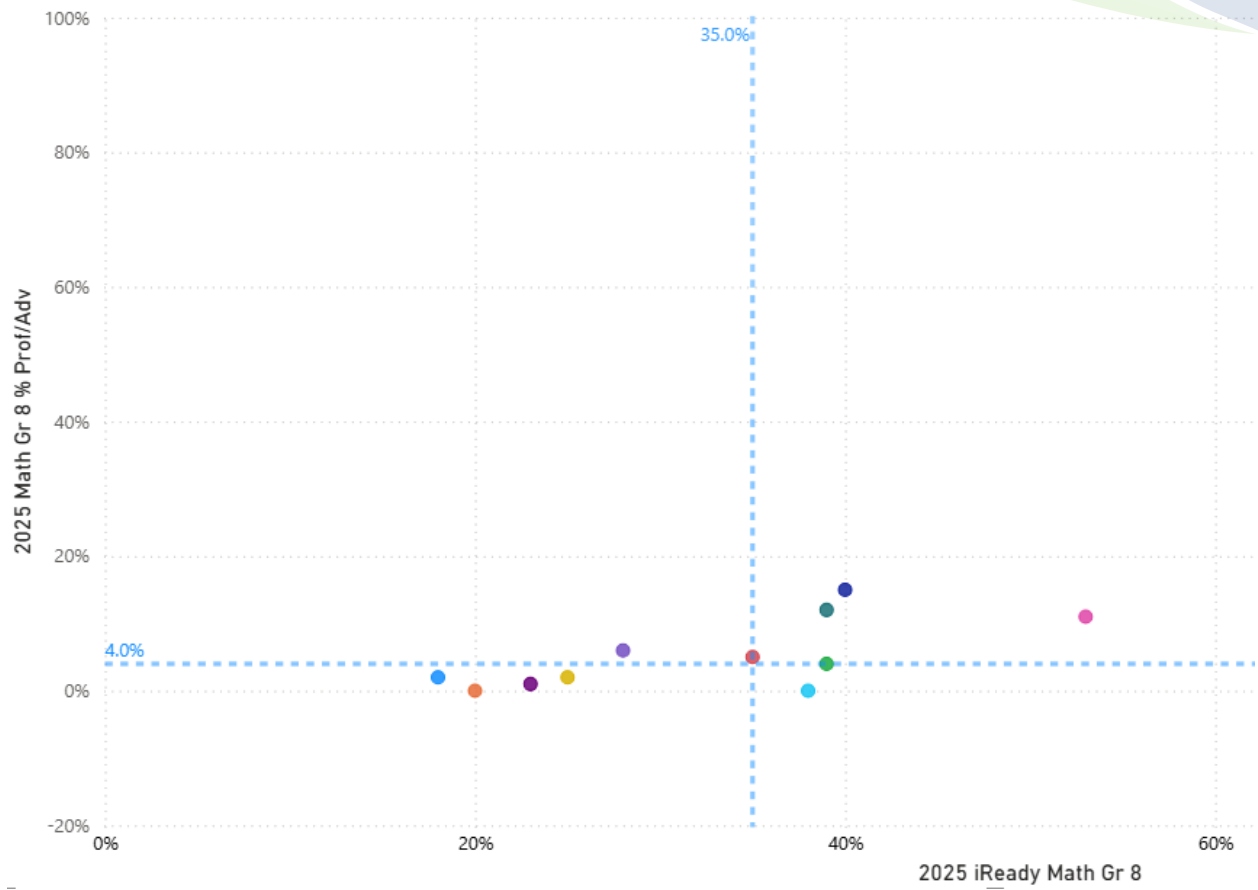
87 out of 1,462 eighth-grade students, or 6%, earned a proficient score or higher on the MCAP ELA assessment, which is a scale score of at least 750. The table below indicates the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

Grade 8 i-Ready Spring Scores with MCAP Proficiency (Table 31)		
i-Ready Grade 7 Spring Math Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Grade 8 Math
100-575	1062	5.6%
576-585	3	66.7%
586-595	2	0%
585 or higher	14	0%
590 or higher	12	0%
595 or higher	11	0%

There is insufficient data to determine i-Ready scale scores with a likelihood of 95% of students passing the corresponding MCAP assessment. Only 23 students who participated in the MCAP Math 7 assessment scored 560 or higher on the spring administration of i-Ready.

992 students enrolled in the Math 8 course have both a fall and spring i-Ready score. The mean growth was 7 points, and the median growth was 8 points.

Data regarding performance on i-Ready and MCAP at this grade level indicates that the median score of middle schools was 35% on i-Ready and 4% on MCAP. This indicates that students at the median school scored 31 points higher on the i-Ready assessment than on MCAP.

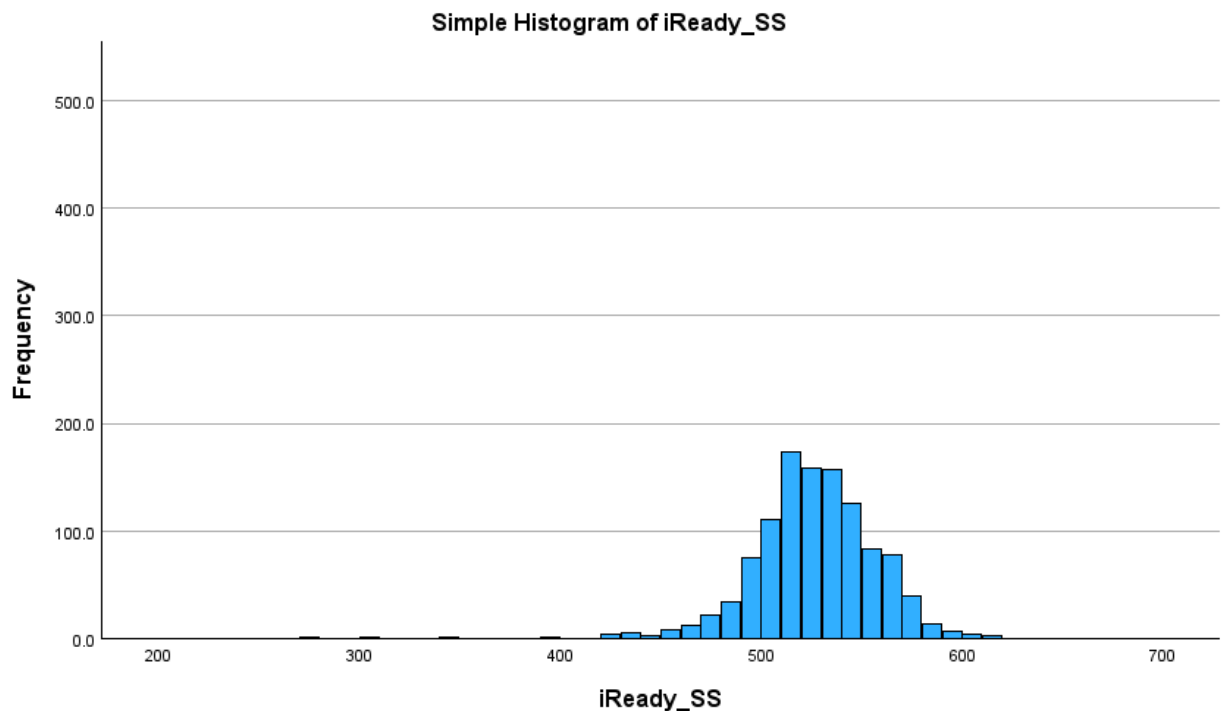


Grades 6-8 Algebra I

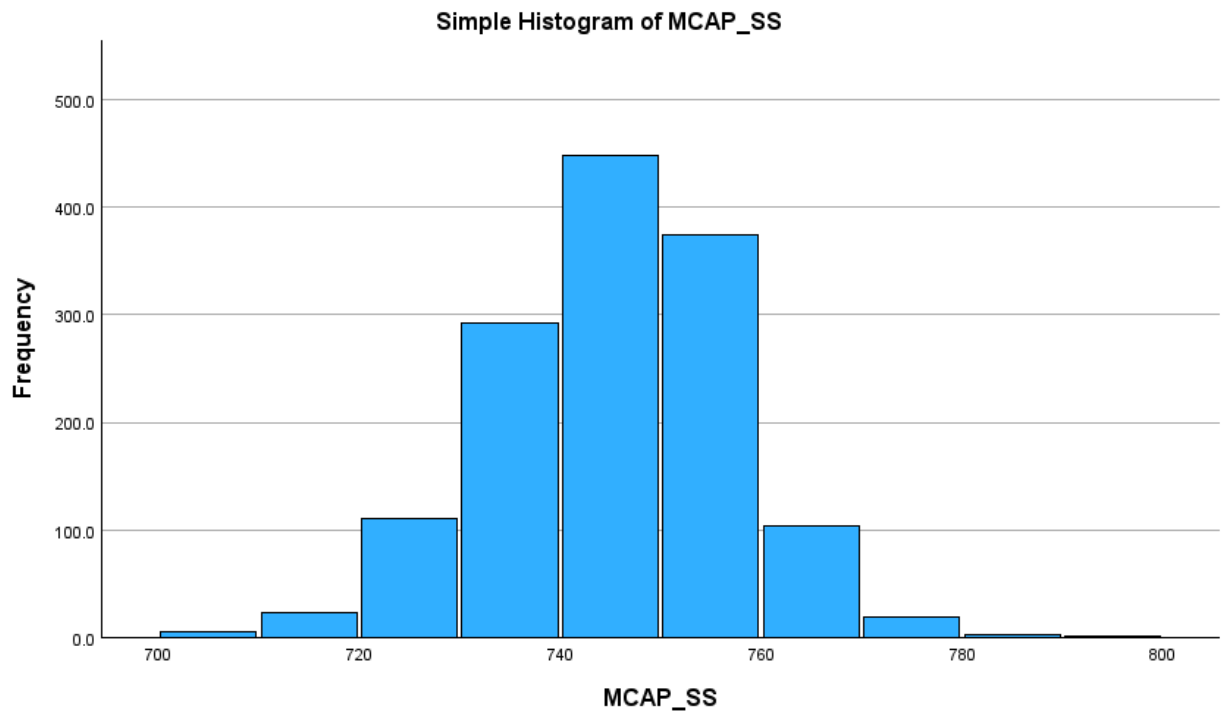
Students in grades 6-8 are enrolled in the general math course for their grade level, Algebra I, or Geometry. In some circumstances, accelerated students in middle school may be enrolled in Algebra II. Data for the 2024-25 school year indicates the number of test takers by course in Table 32. For this section, data will be analyzed for all middle school students taking the MCAP Algebra I assessment.

Math Course Enrollment for Grades 6-8 (Table 32)		
Course	# Test Takers	% Test Takers
Math 6-8	6232	76.2%
Algebra I	1381	16.9%
Geometry	561	6.9%
Algebra II	7	< 0.1%

The histograms below indicate performance on the spring 2025 administration of the i-Ready diagnostic and MCAP assessments. It is important to note that the scale score range for the i-Ready assessments is from 100 to 800, and the scale score range for all MCAP assessments is 650 to 850. HCPS performance by percentiles is displayed in Tables 33 and 34 for i-Ready and MCAP, respectively.



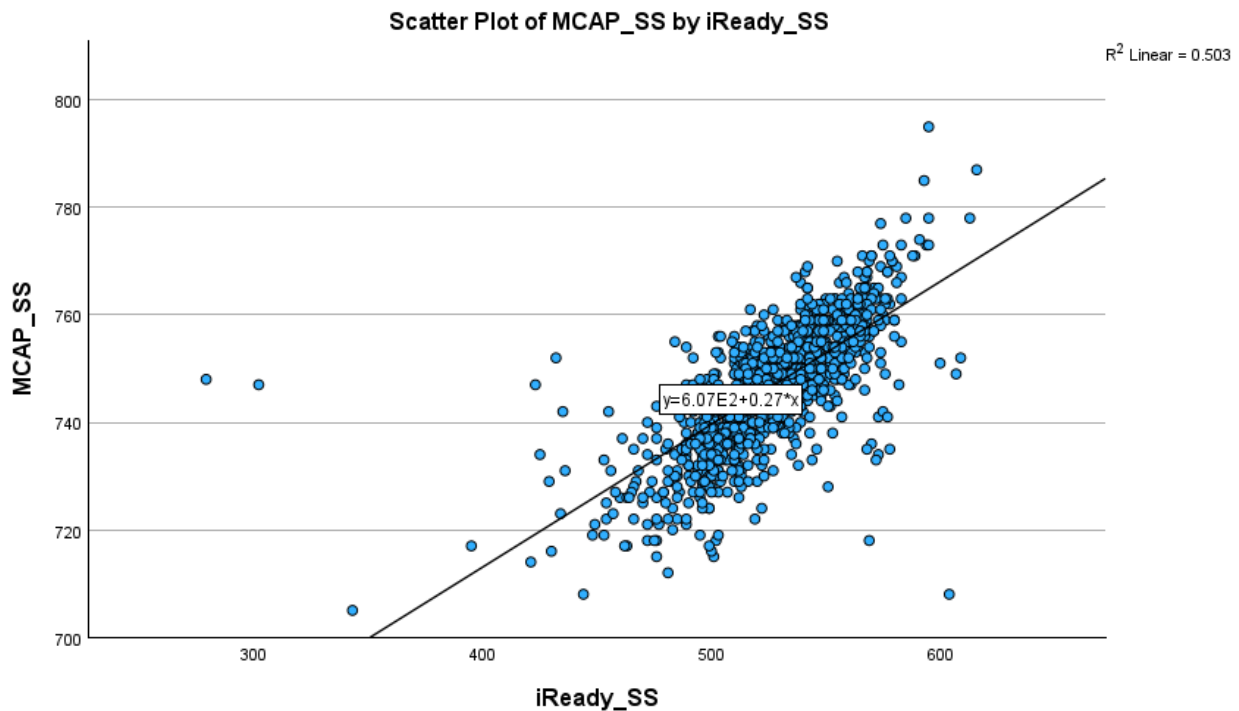
HCPS Algebra I i-Ready Spring 2025 Performance of Middle School Students (Table 33)			
Percentile	Scale Score	Grade 7 Placement Level	Grade 8 Placement Level
10	494	One Grade Level Below	One Grade Level Below
20	503	One Grade Level Below	One Grade Level Below
25	510	Early On Grade Level	One Grade Level Below
30	513	Early On Grade Level	One Grade Level Below
40	519	Early On Grade Level	Early On Grade Level
50	527	Early On Grade Level	Early On Grade Level
60	534	Mid or Above Grade Level	Early On Grade Level
70	541	Mid or Above Grade Level	Mid or Above Grade Level
75	545	Mid or Above Grade Level	Mid or Above Grade Level
80	550	Mid or Above Grade Level	Mid or Above Grade Level
90	564	Mid or Above Grade Level	Mid or Above Grade Level
95	571	Mid or Above Grade Level	Mid or Above Grade Level



HCPS Algebra I Spring 2025 Performance for Middle School Students (Table 34)		
Percentile	Scale Score	Proficiency Level
10	729	Developing Learner
20	735	Developing Learner
25	737	Developing Learner
30	739	Developing Learner
40	743	Developing Learner
50	746	Developing Learner
60	749	Developing Learner
70	751	Proficient Learner
75	753	Proficient Learner
80	754	Proficient Learner
90	759	Proficient Learner
95	763	Proficient Learner

It is important to note that the MCAP scale score of 750 to determine proficiency occurs at the 64th percentile.

Scatterplot iReady Math and Algebra I Spring 2025



The correlation coefficient between these two assessments is 0.709, yielding a moderate correlation. The equation for the line of best fit can be represented by $y=0.266x + 606.832$.

501 out of 1,381 middle school students, or 36.3% earned a proficient score or higher on the MCAP Algebra I assessment, which is a scale score of at least 750. The table below indicates the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

Grades 6-8 i-Ready Spring Scores with MCAP Algebra I Proficiency (Table 35)		
i-Ready Spring Math Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Algebra I
100-575	1077	39.9%
576-585	24	83.3%
586-595	8	100%
580 or higher	25	88%
585 or higher	15	86.7%
590 or higher	12	83.3%
600 or higher	6	66.7%

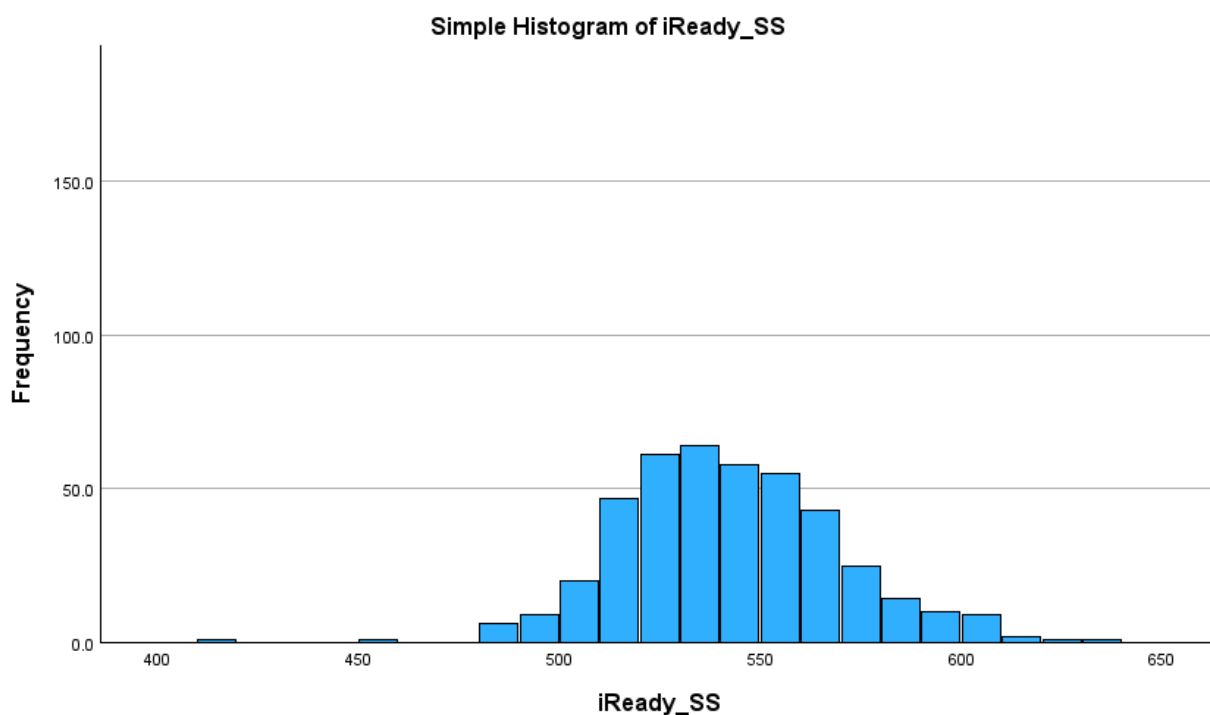
There is insufficient data to determine i-Ready scale scores with a likelihood of 95% of students passing the MCAP Algebra I assessment. Only 25 students who participated in the MCAP Algebra I assessment scored 580 or higher on the spring administration of i-Ready.

1,067 students enrolled in Algebra I have both a fall and spring i-Ready score. The mean and median growth from fall to spring scores was 12 points.

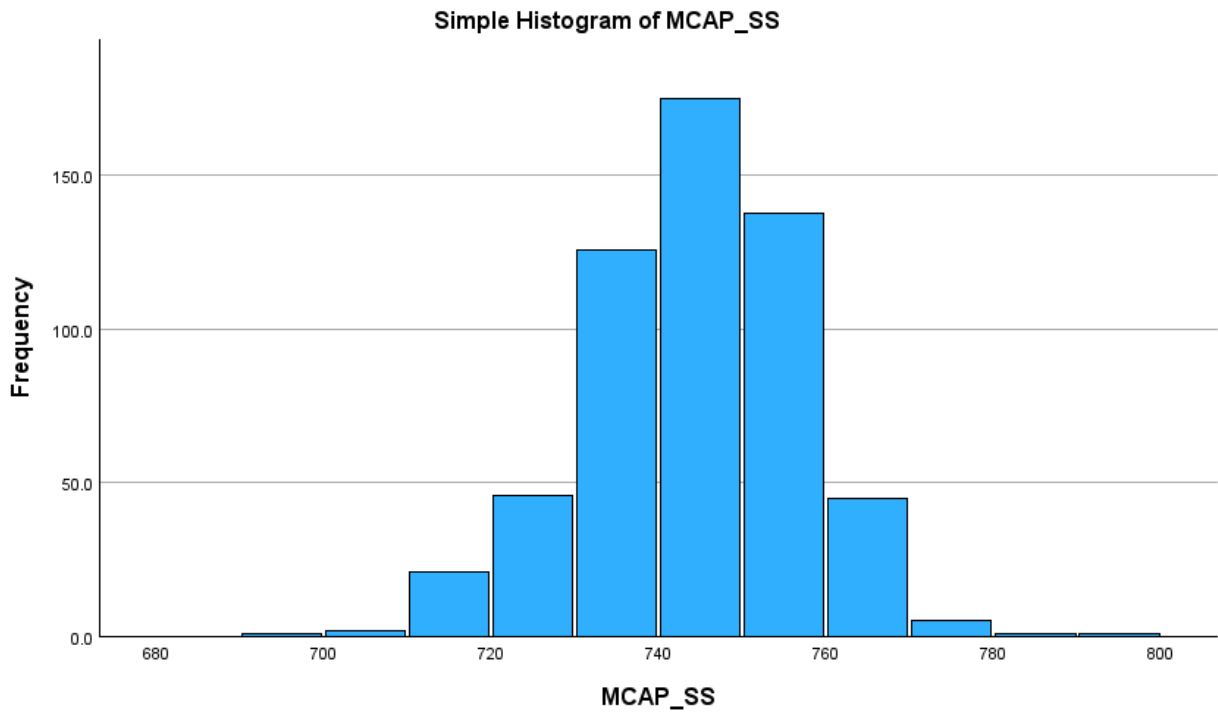
Grades 7-8 Geometry

Students in grades 6-8 are enrolled in the general math course for their grade level, Algebra I, or Geometry. In some circumstances, accelerated students in middle school may be enrolled in Algebra II. In 2024-25, 561 middle school students took the MCAP Geometry assessment, with the majority being eighth-grade students. Three students who took this assessment were enrolled in grade seven. For this section, data will be analyzed for middle school students taking the MCAP Geometry assessment.

The histograms below indicate performance on the spring 2025 administration of the i-Ready diagnostic and MCAP assessments. It is important to note that the scale score range for the i-Ready assessments is from 100 to 800, and the scale score range for all MCAP assessments is 650 to 850. HCPS performance by percentiles is displayed in Tables 36 and 37 for i-Ready and MCAP, respectively.

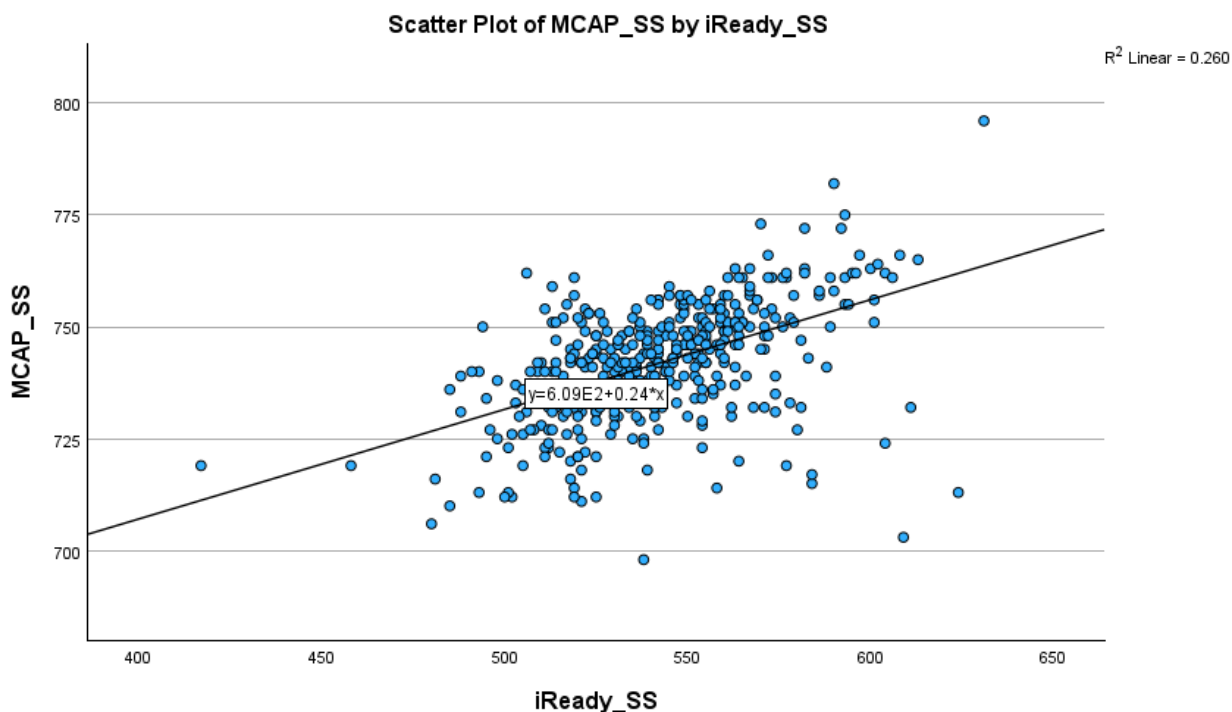


HCPS Grade 7- 8 i-Ready Spring 2025 Performance of Middle School Students Enrolled in Geometry (Table 36)		
Percentile	Scale Score	Placement Level
10	511	One Grade Level Below
20	520	Early On Grade Level
25	522	Early On Grade Level
30	525	Early On Grade Level
40	534	Early On Grade Level
50	540	Early On Grade Level
60	548	Mid or Above Grade Level
70	555	Mid or Above Grade Level
75	559	Mid or Above Grade Level
80	563	Mid or Above Grade Level
90	577	Mid or Above Grade Level
95	591	Mid or Above Grade Level



MCAP Geometry Spring 2025 Performance for Middle School Students (Table 37)		
Percentile	Scale Score	Proficiency Level
10	727	Developing Learner
20	732	Developing Learner
25	735	Developing Learner
30	737	Developing Learner
40	741	Developing Learner
50	744	Developing Learner
60	748	Developing Learner
70	751	Proficient Learner
75	752	Proficient Learner
80	754	Proficient Learner
90	759	Proficient Learner
95	762	Proficient Learner

It is important to note that the MCAP scale score of 750 to determine proficiency occurs at the 67th percentile.



The correlation coefficient between these two assessments is 0.51, yielding a very moderate correlation. The equation for the line of best fit can be represented by $y=0.245x + 609.142$.

190 out of 561 middle school students enrolled in Geometry, or 33.9% earned a proficient score or higher on the MCAP Geometry assessment, which is a scale score of at least 750. The table below indicates the range of i-Ready scale scores and the percentage of students who passed the corresponding MCAP assessment.

Grades 7-8 i-Ready Spring Scores with MCAP Geometry Proficiency (Table 38)		
i-Ready Spring Math Scale Score Range	# Students Scoring in This i-Ready Range	% Passing MCAP Algebra I
100-550	274	14.2%
555 or higher	160	52.5%
565 or higher	75	69.3%
575 or higher	46	71.7%
585 or higher	28	82.1%
595 or higher	16	75%
605 or higher	7	57.1%

There is insufficient data to determine i-Ready scale scores with a likelihood of 95% of students passing the MCAP Geometry assessment. Only 28 students who participated in the MCAP Geometry assessment scored 585 or higher on the spring administration of i-Ready.

316 students enrolled in Geometry have both a fall and spring i-Ready score. The mean growth from fall to spring on i-Ready was 13 and the median growth was 10 points.