

4.2 Impact on P-12 Learning and Development  
Spring 2020

Tagged to Standards:  
CAEP 4.2, 5.1

Note: 2019-20 data for Measure 4.2 are not yet available due to changes with our partner district. Both the Measure of Academic Progress (MAP; used for reporting component 4.2) and the Marzano Evaluation Model (used for reporting component 4.3) have been discontinued by our partner district. Data collections using the new instruments were piloted on a voluntary basis during the 2020-21 academic year due to the COVID enforced distance learning. The EPP is currently working with the district's Department of Evaluation, Research, and Assessment and data for the measure are expected to become available to the public by Fall 2021.

**Impact on P-12 Learning and Development: 2016-2019 Measure of Academic Progress (MAP) Performance Comparisons**

The State of Kansas does not collect student growth data. Additionally, due to data privacy laws the state of Kansas will not provide PK-12 student or teacher data to EPPs. In order to meet CAEP reporting requirements for Standard 4.1 Impact on Student Learning and Development, the University of Kansas School of Education has partnered with a district that has, historically, hired a large number of our graduates.

Many schools and districts use the Measure of Academic Progress (MAP) assessment to monitor student growth from year to year. The Measures of Academic Progress (MAP) is a computer-adaptive assessment tests produced by the Northwest Evaluation Association (NWEA). While the MAP is not specifically aligned with the Kansas State curriculum, it is still considered by districts a valid measure of student progress.

These data are from a single district and include instructors who are within their first three years of teaching and taught both semesters during the academic year.

For academic year 2019, the report will focus on change in percentile, an indicator of the change in rank of the student compared to others of the same grade.

For academic years 2017 and 2018, the report will focus on change in reported RIT scores in Mathematics and Reading across the academic year. The scores are separated into elementary and secondary grade level students to mitigate the differences in expected performance across grades. A RIT score is an estimation of a student's instructional level and is used to measure student progress or growth in school. Younger students, in lower grades, are expected to fall lower on the RIT scale than students in higher grades.

In the tables below, mean change is calculated using the mean difference in scores between the earliest and latest administration of the MAP subject test for each student for the academic year.

These tables suggest that, based upon mean change in MAP test scores, new teachers who graduated from the University of Kansas EPP performed similarly to new teachers who graduated from other Kansas EPPs.

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A percentile is a score that indicates the rank of each student compared to others (same age or same grade). Percentiles range from 0-100. The presence of positive mean percentile change suggests that, on average, the students made positive progress during the time they were in the teachers' class.

<b>Secondary: MAP READING Percentiles</b>						
<b>Secondary Reading</b>	<b>KU vs Other</b>	<b>Begin Year Mean Percentile</b>	<b>End Year Mean Percentile</b>	<b>Mean Percentile Change</b>	<b>Std. Deviation</b>	<b>N Students</b>
Change in 2019 Reading RIT Percentiles	Other Institutions	30.61	31.8	1.2	15.6	204
	KU	25.81	26.1	0.3	15.8	199

<b>Secondary: MAP MATH Percentiles</b>						
<b>Secondary Math</b>	<b>KU vs Other</b>	<b>Begin Year Mean Percentile</b>	<b>End Year Mean Percentile</b>	<b>Mean Percentile Change</b>	<b>Std. Deviation</b>	<b>N Students</b>
Change in 2019 Math RIT Percentiles	Other Institutions	26.1	27.9	1.8	13.6	175
	KU	29.0	27.9	-1.1	11.8	137

<b>Elementary: MAP READING Percentiles</b>						
<b>Elementary Reading</b>	<b>KU vs Other</b>	<b>Begin Year Mean Percentile</b>	<b>End Year Mean Percentile</b>	<b>Mean Percentile Change</b>	<b>Std. Deviation</b>	<b>N Students</b>
Change in 2019 Reading RIT Percentiles	Other Institutions	39.1	40.7	1.5	18.0	2547
	KU	35.6	38.0	2.4	18.7	497

<b>Elementary: MAP MATH Percentiles</b>						
<b>Elementary Math</b>	<b>KU vs Other</b>	<b>Begin Year Mean Percentile</b>	<b>End Year Mean Percentile</b>	<b>Mean Percentile Change</b>	<b>Std. Deviation</b>	<b>N Students</b>
Change in 2019 Math RIT Percentiles	Other Institutions	35.3	39.8	4.5	18.3	2547
	KU	30.7	35.4	4.7	18.4	497

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A RIT score is an estimation of student progress or growth in school. The presence of positive mean change suggests that, on average, the students made positive progress during the time they were in the teachers' class.

Grades 7-11 MAP READING Scores						
Secondary Reading	KU vs Other	Begin Year Mean	End Year Mean	Mean Change	Std. Deviation	N Students
Change in 2018 Reading RIT Scores	Other Institutions	200.3	203.9	3.6	10.8	69
	KU	*	*	*	*	20
Change in 2017 Reading RIT Scores	Other Institutions	204.8	208.1	3.3	10.0	291
	KU	*	*	*	*	29

\* Fewer than 5 teachers represented

Grades 7-11 MAP MATH Scores						
Secondary Math	KU vs Other	Begin Year Mean	End Year Mean	Mean Change	Std. Deviation	N Students
Change in 2018 Math RIT Scores	Other Institutions	204.3	212.9	8.6	10.5	16
	KU	222.7	231.2	8.5	10.5	15
Change in 2017 Math RIT Scores	Other Institutions	214.0	219.6	5.6	8.1	338
	KU	220.9	226.6	5.6	8.3	33

Grades 2-6 MAP READING Scores						
Elementary Reading	KU vs Other	Begin Year Mean	End Year Mean	Mean Change	Std. Deviation	N Students
Change in 2018 Reading RIT Scores	Other Institutions	175.0	183.9	8.9	9.3	1038
	KU	171.0	182.4	11.4	10.3	410
Change in 2017 Reading RIT Scores	Other Institutions	165.3	176.8	11.4	10.0	999
	KU	163.9	175.3	12.9	10.5	305

Grades 2-6 MAP MATH Scores						
Elementary Math	KU vs Other	Fall Score Mean	Spring Score Mean	Mean Change	Std. Deviation	N Students
Change in 2018 Math RIT Scores	Other Institutions	177.2	188.8	11.6	8.4	1078
	KU	172.0	188.0	16.1	10.0	407
Change in 2017 Math RIT Scores	Other Institutions	166.6	174.5	14.1	9.8	1001
	KU	164.4	173.0	16.8	10.2	307