

Missouri Pre-service Teacher Assessment

(CAEP 1.1, 1.4, 3.5)

Description of Data:

The Missouri Pre-service Teacher Assessment (MoPTA) is a performance assessment designed to assess teacher candidates' performance in the classroom. Students complete the four tasks of the MoPTA during the final two semesters of their program, including the student teaching semester. Task 1 (which is unscored) is The Knowledge of Students and the Learning Environment; Task 2 is Assessment and Data Collection to Measure and Inform Student Learning. Task 3 is Designing Instruction for Student Learning. There are two versions of Task 4; one version, Implementing and Analyzing Instruction to Promote Student Learning, requires the teacher candidate to provide a video of their teaching in the classroom in which they are student teaching. Teacher candidates who are teaching in school districts where video is permitted, must complete this version of Task 4. Teacher candidates who are student teaching in districts where videotaping is not permitted are required to complete the alternate version of Task 4, Planning, Implementing, Analyzing, and Adjusting Instruction to Promote Student Learning.

By the end of their student teaching semester, students must upload artifacts and narratives for all four tasks, which are scored by ETS. Each task has multiple Steps:

- Task 2: Assessment and Data Collection to Measure and Inform Student Learning
 - Step 1: Planning the Assessment
 - Step 2: Administering the Assessment and Analyzing the Data
 - Step 3: Reflecting
- Task 3: Designing Instruction for Student Learning
 - Step 1: Planning the Lesson
 - Step 2: The Focus Students
 - Step 3: Analyzing the Lesson
 - Step 4: Reflecting
- Task 4 (Video): Implementing and Analyzing Instruction to Promote Student Learning
 - Step 1: Planning
 - Step 2: Implementing the Plan
 - Step 3: Student Work
 - Step 4: Reflecting
- Task 4 (Nonvideo): Planning, Implementing, Analyzing and Adjusting Instruction to Promote Student Learning
 - Step 1: Planning the Sequence of Lessons within the Unit
 - Step 2: Implementing the Sequence of Lessons within the Unit
 - Step 3: Analyzing the Sequence of Lessons within the Unit
 - Step 4: Reflecting on the Sequence of Lessons within the Unit

Each Step of each Task is scored by two raters on a 4-point rubric (Minimal Evidence, Partial Evidence, Effective Evidence, and Consistent Evidence), with target scores being a 3 (Effective Evidence) or better. Step scores within the Tasks are summed to form a total Task score. Task 4 is double-weighted. All Task scores are summed to create a cumulative score. Although not a degree requirement, students are required to pass all three scored tasks. In 2015-2016, the state-required score was 11 points (a score of 1 on each Step). Beginning August 1, 2016, a cumulative score of 37 is required for state certification.

In the 2014-2015 academic year, the School of Education piloted the MoPTA. Four PK-12 teachers, including one who was part of the original MoPTA writing team and who scored state pilot data, were invited to the UMKC campus to participate, along with faculty, in scoring the student artifacts. A random sample from each program was selected for members of the group to score and analyze. As this was a learning session for faculty, the rubrics were used to score each sub-step (e.g., Task 2 Step 1.1, Task 2 Step 1.2, etc.) of each Step of each Task. Individual sub-step scores were then averaged to provide a mean overall score for the Task. Data included reflect the mean scores for each Task.

Data Derived:

This section includes 6 data tables. The tables present results on the Missouri Preservice Teacher Assessment described above.

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Table 1: Missouri Preservice Teacher Assessment – Early Childhood, Elementary & Middle School Language Arts

InTASC	MoSPE	Task		Early Childhood Education			Elementary			Middle School Language Arts		
				2014-2015 ¹	2015-2016	2016-2017	2014-2015 ¹	2015-2016	2016-2017	2014-2015 ¹	2015-2016	2016-2017
1a, 6, 7k, 8b	1.5, 2.2, 2.5-2.6, 3.1, 3.3, 7.1-7.2, 7.4, 8.1	2	N	11	11	*	29	17	16	4	*	3
			M	2.76	8.64	*	2.35	9.09	8.06	1.47	*	8.33
			SD	0.66	1.36	*	0.36	1.06	2.41	0.50	*	0.58
1, 2, 4, 5, 7, 8	1.2, 2.3-2.6, 3.1-3.3, 4.1-4.3, 5.1, 6.4, 7.1-7.2, 7.4, 8.1	3	N	11	11	*	29	17	16	4	*	3
			M	2.48	12.09	*	2.21	11.62	10.31	1.60	*	10.67
			SD	0.81	0.77	*	0.38	0.91	3.24	0.71	*	1.53
1-8	1.1-1.2, 2.4-2.6, 3.2, 4.1, 4.3, 5.1-5.2, 6.1-6.2, 7.1-7.2, 7.4, 8.1	4 video	N	11	8	*	29	17	16	4	*	0
			M	2.37	24.00	*	2.34	23.12	23.19	1.78	*	-
			SD	0.70	3.62	*	0.52	2.78	3.66	0.51	*	-
1-8	1.1-1.2, 2.1-2.2, 2.4-2.5, 3.1-3.2, 4.1, 7.1-7.2, 7.4, 8.1	4 non-video	N	0	3	*	0	0	0	0	*	3
			M	-	25.00	*	-	-	-	-	*	26.00
			SD	-	2.00	*	-	-	-	-	*	2.65
MEAN CUMULATIVE SCORE (Video and Non-video Averaged)					45.00	*		43.83	41.56		*	45.00

¹Pilot data: this data was collected prior to full implementation by the Missouri Department of Elementary and Secondary Education and was scored by SOE faculty and stakeholders.

*=Insufficient Cell Size (n<3)

Table 2: Missouri Preservice Teacher Assessment – Middle School Math, Science & Social Studies

InTASC	MoSPE	Task		Middle School Math			Middle School Science			Middle School Social Studies		
				2014-2015 ¹	2015-2016	2016-2017	2014-2015 ¹	2015-2016	2016-2017	2014-2015 ¹	2015-2016	2016-2017
1a, 6, 7k, 8b	1.5, 2.2, 2.5-2.6, 3.1, 3.3, 7.1-7.2, 7.4, 8.1	2	N	*	8	3	5	*	*	3	*	3
			M	*	9.17	7.00	2.85	*	*	3.04	*	6.67
			SD	*	0.52	0.00	0.61	*	*	0.92	*	2.52
1, 2, 4, 5, 7, 8	1.2, 2.3-2.6, 3.1-3.3, 4.1-4.3, 5.1, 6.4, 7.1-7.2, 7.4, 8.1	3	N	*	8	3	5	*	*	3	*	3
			M	*	11.72	11.33	3.06	*	*	2.03	*	8.33
			SD	*	1.81	1.15	0.75	*	*	0.90	*	2.89
1-8	1.1-1.2, 2.4-2.6, 3.2, 4.1, 4.3, 5.1-5.2, 6.1-6.2, 7.1-7.2, 7.4, 8.1	4 video	N	*	3	2	5	*	*	0	*	2
			M	*	23.01	20.00	3.00	*	*	-	*	19.00
			SD	*	0.99	0.00	0.81	*	*	-	*	4.24
1-8	1.1-1.2, 2.1-2.2, 2.4-2.5, 3.1-3.2, 4.1, 7.1-7.2, 7.4, 8.1	4 non-video	N	*	4	1	0	*	*	0	*	1
			M	*	23.25	26.00	-	*	*	-	*	24.00
			SD	*	0.96	-	-	*	*	-	*	-
MEAN CUMULATIVE SCORE (Video and Non-video Averaged)					44.04	40.33		*	*		*	37.00

¹Pilot data: this data was collected prior to full implementation by the Missouri Department of Elementary and Secondary Education and was scored by SOE faculty and stakeholders.

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Table 3: Missouri Preservice Teacher Assessment – Secondary English, Math & Science

InTASC	MoSPE	Task		Secondary English			Secondary Math			Secondary Science		
				2014-2015 ¹	2015-2016	2016-2017	2014-2015 ¹	2015-2016	2016-2017	2014-2015 ¹	2015-2016	2016-2017
1a, 6, 7k, 8b	1.5, 2.2, 2.5-2.6, 3.1, 3.3, 7.1-7.2, 7.4, 8.1	2	N	9	10	3	5	*	*	10	3	*
			M	1.63	8.87	8.00	3.10	*	*	2.89	8.33	*
			SD	0.25	1.79	0.00	0.14	*	*	0.79	0.88	*
1, 2, 4, 5, 7, 8	1.2, 2.3-2.6, 3.1-3.3, 4.1-4.3, 5.1, 6.4, 7.1-7.2, 7.4, 8.1	3	N	9	10	3	5	*	*	10	3	*
			M	1.79	12.15	12.00	3.08	*	*	3.16	12.11	*
			SD	0.54	1.00	0.00	0.26	*	*	0.74	0.84	*
1-8	1.1-1.2, 2.4-2.6, 3.2, 4.1, 4.3, 5.1-5.2, 6.1-6.2, 7.1-7.2, 7.4, 8.1	4 video	N	9	10	2	5	*	*	10	3	*
			M	1.92	24.60	25.00	3.30	*	*	3.39	21.33	*
			SD	0.52	2.46	2.83	0.40	*	*	0.54	4.73	*
1-8	1.1-1.2, 2.1-2.2, 2.4-2.5, 3.1-3.2, 4.1, 7.1-7.2, 7.4, 8.1	4 non-video	N	0	1	1	0	*	*	0	0	*
			M	-	22.02	26.00	-	*	*	-	-	*
			SD	-	0.00	-	-	*	*	-	-	*
MEAN CUMULATIVE SCORE (Video and Non-video Averaged)					45.39	45.33		*	*		41.77	*

¹Pilot data: this data was collected prior to full implementation by the Missouri Department of Elementary and Secondary Education and was scored by SOE faculty and stakeholders.

²Mean scores do not include candidate who did not complete MoPTA Task 3 or 4

*=Insufficient Cell Size (n<3)

Table 4: Missouri Preservice Teacher Assessment – Secondary Social Studies, Foreign Languages (K-12) & Art (K-12)

InTASC	MoSPE	Task		Secondary Social Studies			Foreign Languages (K-12)			Art (K-12)		
				2014-2015 ¹	2015-2016	2016-2017	2014-2015 ¹	2015-2016	2016-2017	2014-2015 ¹	2015-2016	2016-2017
1a, 6, 7k, 8b	1.5, 2.2, 2.5-2.6, 3.1, 3.3, 7.1-7.2, 7.4, 8.1	2	N	17	4	9	3	*	*	8	8	11
			M	3.27	9.00	8.44	3.09	*	*	3.30	8.81	8.00
			SD	0.77	0.71	1.24	0.26	*	*	0.38	1.13	2.68
1, 2, 4, 5, 7, 8	1.2, 2.3-2.6, 3.1-3.3, 4.1-4.3, 5.1, 6.4, 7.1-7.2, 7.4, 8.1	3	N	17	4	9	3	*	*	8	8	11
			M	3.11	12.00	11.22	3.07	*	*	3.38	9.60	10.09
			SD	0.52	1.08	1.20	0.42	*	*	0.28	3.63	3.48
1-8	1.1-1.2, 2.4-2.6, 3.2, 4.1, 4.3, 5.1-5.2, 6.1-6.2, 7.1-7.2, 7.4, 8.1	4 video	N	0	2	7	3	*	*	8	8	10
			M	-	22.50	24.14	3.67	*	*	2.94	24.25	21.10
			SD	-	0.50	2.34	0.58	*	*	0.46	3.65	7.61
1-8	1.1-1.2, 2.1-2.2, 2.4-2.5, 3.1-3.2, 4.1, 7.1-7.2, 7.4, 8.1	4 non-video	N	0	2	2	0	*	*	0	0	1
			M	-	26.50	24.00	-	*	*	-	-	22.00
			SD	-	1.50	2.34	-	*	*	-	-	-
MEAN CUMULATIVE SCORE (Video and Non-video Averaged)					45.50	43.77		*	*		42.66	39.27

¹Pilot data: this data was collected prior to full implementation by the Missouri Department of Elementary and Secondary Education and was scored by SOE faculty and stakeholders.

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Table 5: Missouri Preservice Teacher Assessment – Special Education

InTASC	MoSPE	Task		Special Education		
				2014-2015 ¹	2015-2016	2016-2017
1a, 6, 7k, 8b	1.5, 2.2, 2.5-2.6, 3.1, 3.3, 7.1-7.2, 7.4, 8.1	2	N	10.00	*	0
			M	2.82	*	-
			SD	0.64	*	-
1, 2, 4, 5, 7, 8	1.2, 2.3-2.6, 3.1-3.3, 4.1-4.3, 5.1, 6.4, 7.1-7.2, 7.4, 8.1	3	N	10.00	*	0
			M	3.07	*	-
			SD	0.64	*	-
1-8	1.1-1.2, 2.4-2.6, 3.2, 4.1, 4.3, 5.1-5.2, 6.1-6.2, 7.1-7.2, 7.4, 8.1	4 video	N	10.00	*	0
			M	3.19	*	-
			SD	0.43	*	-
1-8	1.1-1.2, 2.1-2.2, 2.4-2.5, 3.1-3.2, 4.1, 7.1-7.2, 7.4, 8.1	4 non-video	N	0.00	*	0
			M	-	*	-
			SD	-	*	-
MEAN CUMULATIVE SCORE					*	-

¹Pilot data: this data was collected prior to full implementation by the Missouri Department of Elementary and Secondary Education and was scored by SOE faculty and stakeholders

*=Insufficient Cell Size (n<3)

Table 6: Missouri Preservice Teacher Assessment – TEPP and the State of Missouri

InTASC	MoSPE	Task		TEPP	TEPP	Missouri	Missouri
				2015-2016	2016-2017 ¹	2015-2016	2016-2017 ¹
1a, 6, 7k, 8b	1.5, 2.2, 2.5-2.6, 3.1, 3.3, 7.1-7.2, 7.4, 8.1	2	N	66	57	2,522	2,153
			M	8.72	8.05	8.44	
			SD	0.36	2.01		
1, 2, 4, 5, 7, 8	1.2, 2.3-2.6, 3.1-3.3, 4.1-4.3, 5.1, 6.4, 7.1-7.2, 7.4, 8.1	3	N	66	57	2,522	2,153
			M	11.28	10.23	11.17	
			SD	1.08	3.22		
1-8	1.1-1.2, 2.4-2.6, 3.2, 4.1, 4.3, 5.1-5.2, 6.1-6.2, 7.1-7.2, 7.4, 8.1	4 video	N	55	44	2,522	2,153
			M	23.38	22.11	22.26	
			SD	0.98	5.74		
1-8	1.1-1.2, 2.1-2.2, 2.4-2.5, 3.1-3.2, 4.1, 7.1-7.2, 7.4, 8.1	4 non-video	N	11	13	2,522	2,153
			M	23.46	24.54	22.26	
			SD	2.28	1.85		
MEAN CUMULATIVE SCORE				43.39	42.65	41.47	²
Pass Rate				97.78%	87.78%	97%	86.39%

¹Data for 2016-2017 is for first-attempt only

²State score data not yet available