























Table 12  
Biology: Content Knowledge

<i>Biology: Content Knowledge (5235)</i>												
Cycle Dates	N	Median	Mean	Standard Deviation	Average Performance Range	Highest Observed Score	Lowest Observed Score	Sub Scores	Points Range	National Average	State Average	Inst. Average
2015-2016	14	160.5	160.57	8.24	153-167	176	146					
								History and Nature of Science	16-17	65.54	59.98	67.97
								Molecular and Cellular Biology	23-24	54.24	46.05	48.61
								Science, Technology and Social Perspectives	12-12	71.37	62.7	65.74
								Diversity of Live and Organismal Biology	23-24	60.29	52.57	55.56
								Ecology: Organisms and Environment	19-19	62.54	54.06	58.48
								Genetics and Evolution	24-24	57.6	49.92	56.02
2016-2017	8	171	168.25	14.21	158-181	184	143					
								History and Nature of Science	16-17	65.42	61.29	
								Molecular and Cellular Biology	23-24	55.15	47.77	
								Science, Technology and Social Perspectives	12-12	71.96	67.17	
								Diversity of Live and Organismal Biology	23-24	59.53	52.88	
								Ecology: Organisms and Environment	19-19	62.4	55.44	
								Genetics and Evolution	24-24	58.41	51.44	
2017-2018	3	*	*	*	*	*	*					
								History and Nature of Science	16-17	64.55	57.88	
								Molecular and Cellular Biology	23-24	54.09	45.97	
								Science, Technology and Social Perspectives	12-12	70.5	62.06	
								Diversity of Live and Organismal Biology	23-24	58.04	49.83	
								Ecology: Organisms and Environment	19-19	61.64	51.94	
								Genetics and Evolution	24-24	57.16	47.72	

<https://www.ets.org/s/praxis/pdf/5235.pdf>

Table 13  
Chemistry: Content Knowledge

<b>Chemistry: Content Knowledge (5245)</b>												
Cycle Dates	N	Median	Mean	Standard Deviation	Average Performance Range	Highest Observed Score	Lowest Observed Score	Sub Scores	Points Range	National Average	State Average	Inst. Average
2015-2016	3	*	*	*	*	*	*					
								Basic Principles of Matter and Energy; Thermodynamics	14-14	61.46	54.86	
								Atomic and Nuclear Structure	12-12	69.51	62.33	
								Nomenclature; Chemical Composition; Bonding and Structure	15-15	63.86	50.93	
								Scientific Procedures and Techniques	12-12	73.62	64.83	
								Solutions and Solubility; Acid-Base Chemistry	15-15	50.5	39.6	
								Scientific Inquiry and Social Perspectives of Science	12-12	72.6	65.83	
								Chemical Reactions; Periodicity	20-20	62.64	54.6	
2016-2017	3	*	*	*	*	*	*					
								Basic Principles of Matter and Energy; Thermodynamics	14-14	61.46	54.86	
								Atomic and Nuclear Structure	12-12	69.51	62.33	
								Nomenclature; Chemical Composition; Bonding and Structure	15-15	63.86	50.93	
								Scientific Procedures and Techniques	12-12	73.62	64.83	
								Solutions and Solubility; Acid-Base Chemistry	15-15	50.5	39.6	
								Scientific Inquiry and Social Perspectives of Science	12-12	72.6	65.83	
								Chemical Reactions; Periodicity	20-20	62.64	54.6	
2017-2018	3	*	*	*	*	*	*					
								Basic Principles of Matter and Energy; Thermodynamics	14-14	61.02	53.74	
								Atomic and Nuclear Structure	12-12	70.14	59.36	
								Nomenclature; Chemical Composition; Bonding and Structure	15-15	63.39	54.36	

								Scientific Procedures and Techniques	12-12	73.01	67.95	
								Solutions and Solubility; Acid-Base Chemistry	15-15	52.84	42.67	
								Scientific Inquiry and Social Perspectives of Science	12-12	70.93	66.54	
								Chemical Reactions; Periodicity	20-20	63.41	54.62	

<https://www.ets.org/s/praxis/pdf/5245.pdf>

Table 14  
Mathematics: Content Knowledge

<b>Mathematics: Content Knowledge (5161)</b>												
Cycle Dates	N	Median	Mean	Standard Deviation	Average Performance Range	Highest Observed Score	Lowest Observed Score	Sub Scores	Points Range	National Average	State Average	Inst. Average
2015-2016	37	152	156.76	17.77	144-168	200	130					
								Geometry, Probability and Statistics, and Discrete Math.	16-16	59.71	52.89	68.75
								Number and Quantity, Algebra, Functions, and Calculus	34-34	58.1	50.66	64.84
2016-2017	17	160	157	12.26	150-166	174	130					
								Geometry, Probability and Statistics, and Discrete Math.	15-16	62.89	52.76	62.43
								Number and Quantity, Algebra, Functions, and Calculus	34-34	61.21	51.25	64.01
2017-2018	23	154	148.43	17.29	134-162	169	109					
								Geometry, Probability and Statistics, and Discrete Math.	16-16	54.34	47.78	54.35
								Number and Quantity, Algebra, Functions, and Calculus	34-34	55.96	50.25	54.73

<https://www.ets.org/s/praxis/pdf/5161.pdf>

Table 15  
Physics: Content Knowledge

<b>Physics: Content Knowledge (5265)</b>												
Cycle Dates	N	Median	Mean	Standard Deviation	Average Performance Range	Highest Observed Score	Lowest Observed Score	Sub Scores	Points Range	National Average	State Average	Inst. Average
2015-2016	1	*	*	*	*	*	*					
								Mechanics	32-32	66.74	55.31	
								Electricity and Magnetism	19-19	58.35	41.58	
								Scientific Inquiry, Process, and Social Perspectives	11-12	70.88	60	
								Heat, Energy, and Thermodynamics	12-12	58.93	45	
								Modern Physics, and Atomic and Nuclear Structure	12-12	63.26	59.17	
								Optics and Waves	13-13	66.42	53.85	
2016-2017	3	*	*	*	*	*	*					
								Mechanics	32-32	66.81	62.92	
								Electricity and Magnetism	19-19	56.79	43.16	
								Scientific Inquiry, Process, and Social Perspectives	11-12	72.02	58.74	
								Heat, Energy, and Thermodynamics	12-12	60.64	55	
								Modern Physics, and Atomic and Nuclear Structure	12-12	63.52	58.89	
								Optics and Waves	13-13	66.13	63.08	
2017-2018	1	*	*	*	*	*	*					
								Mechanics	32-32	65.58	66.32	
								Electricity and Magnetism	19-19	56.66	53.22	
								Scientific Inquiry, Process, and Social Perspectives	11-12	71.72	70.88	
								Heat, Energy, and Thermodynamics	12-12	62.37	67.59	
								Modern Physics, and Atomic and Nuclear Structure	12-12	63.66	68.52	
								Optics and Waves	13-13	67.19	70.94	

<https://www.ets.org/s/praxis/pdf/5265.pdf>

Table 16  
Agricultural Education

<b>Agriculture (5701)</b>												
Cycle Dates	N	Median	Mean	Standard Deviation	Average Performance Range	Highest Observed Score	Lowest Observed Score	Sub Scores	Points Range	National Average	State Average	Inst. Average
2015-2016	6	166.5	169	12.36	162-182	187	150					
								Agribusiness Systems	13-13	57.63	50.43	
								Animal Systems	18-18	73.9	66.05	
								Food Science Biotechnology	12-12	76.49	69.44	
								Leadership and Career	17-17	75.29	74.51	
								Plant Systems	17-17	77.52	77.12	
								Power, Structural, and Technical Systems	16-16	70.37	70.83	
								Environmental and Natural Resource	16-16	76.38	75.69	
2016-2017	3	*	*	*	*	*	*					
								Agribusiness Systems	13-13	50.13	39.42	
								Animal Systems	18-18	74.57	60.76	
								Food Science Biotechnology	12-13	67.98	53.13	
								Leadership and Career	17-17	74.3	66.91	
								Plant Systems	17-17	71.76	58.09	
								Power, Structural, and Technical Systems	16-16	69.57	63.93	
								Environmental and Natural Resource	15-16	73.68	67.21	
2017-2018	5	167	171.8	7.78	165-178	184	165					
								Agribusiness Systems	13-13	52.03	41.96	
								Animal Systems	18-18	74.21	68.18	
								Food Science Biotechnology	12-13	69.35	62.65	
								Leadership and Career	17-17	75.34	71.93	
								Plant Systems	17-17	72.56	67.38	
								Power, Structural, and Technical Systems	15-16	70.91	68.33	
								Environmental and Natural Resource	15-16	75.75	70.93	

<https://www.ets.org/s/praxis/pdf/5701.pdf>

Table 17  
Health and Physical Education: Content Knowledge

<i>Health &amp; Physical Education (5857)</i>												
Cycle Dates	N	Median	Mean	Standard Deviation	Average Performance Range	Highest Observed Score	Lowest Observed Score	Sub Scores	Points Range	National Average	State Average	Inst. Average
2015-2016	9	175	168	12.15	154-179	180	148					
								Health as a Discipline/ Health Instruction	22-22	64.02	62	65.91
								Health Education Content	28-28	71.54	69.27	71.43
								PE Planning: Instruction; Student Assessment	17-17	69.6	65.83	64.71
								Management; Motivation; communication/Collaboration; Reflection: Technology	23-25	75.19	71.06	78
								PE Content Knowledge & Student Growth & Development	17-18	63	60.89	65.36
2016-2017	10	176.50	171.40	12.04	160-180	185	150					
								Health as a Discipline/ Health Instruction	22-22	64.48	61.48	70.91
								Health Education Content	28-28	68.68	66.48	77.5
								PE Planning: Instruction; Student Assessment	17-17	68.76	65.09	75.88
								Management; Motivation; communication/ Collaboration; Reflection: Technology	23-25	73.68	69.84	82.23
								PE Content Knowledge & Student Growth & Development	17-18	62.16	57.57	67.94
2017-2018	4	*	*	*	*	*	*					
								Health as a Discipline/ Health Instruction	22-22	65.48	62.9	
								Health Education Content	28-28	68.36	67.46	
								PE Planning: Instruction; Student Assessment	17-17	69.48	65.38	
								Management; Motivation; communication/ Collaboration; Reflection: Technology	23-25	74.77	70.04	
								PE Content Knowledge & Student Growth & Development	18-18	62.82	59.91	

<https://www.ets.org/s/praxis/pdf/5857.pdf>

Table 18  
Music: Content Knowledge

<b>Music: Content Knowledge (5113)</b>												
Cycle Dates	N	Median	Mean	Standard Deviation	Average Performance Range	Highest Observed Score	Lowest Observed Score	Sub Scores	Points Range	National Average	State Average	Inst. Average
2015-2016	11	175	171.73	10.51	163-182	184	151					
								Music history and literature	13-16	64.12	57.84	70.93
								Theory and composition	16-19	67.78	62.23	69.37
								Special	25-28	68.21	62.18	71.59
								Pedagogy, prof. issues, and technology	47-51	66.82	61.3	70.22
								Performance	23-26	66.43	60.04	68.67
2016-2017	17	172	172.94	11.78	165-180	195	148					
								Music history and literature	13-14	64.91	60.15	71.98
								Theory and composition	16-17	67.53	64.09	77.92
								Special	25-25	68.32	65.26	74.59
								Pedagogy, prof. issues, and technology	47-47	66.85	62.92	73.84
								Performance	23-23	67.18	63.81	72.12
2017-2018	14	175	174.14	9.09	168-180	189	159					
								Music history and literature	13-14	65.19	61.87	66.8
								Theory and composition	16-17	67.67	65.06	78.02
								Special	25-25	68.05	65.15	75.43
								Pedagogy, prof. issues, and technology	47-47	67.12	63.26	74.16
								Performance	23-23	65.9	60.78	77.33

<https://www.ets.org/s/praxis/pdf/5113.pdf>