

EOC

2010 Mean P-Values and

Internal Consistency Values

By Objective and Subject Area

EOC - MATHEMATICS (SPRING 2010) Total Group

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	50	101887	31.450	10.938	0.927	2.955	62.900
	Functional Relationships	08	101887	5.026	1.878	0.616	1.164	62.825
	Properties and Attributes of Functions	11	101887	7.286	2.663	0.740	1.358	66.236
	Linear Functions	11	101887	6.487	2.790	0.736	1.434	58.972
	Linear Equations and Inequalities	11	101887	7.330	2.927	0.800	1.309	66.636
	Quadratic and Other Nonlinear Functions	09	101887	5.321	2.201	0.637	1.326	59.122
Geometry	COMPLETE SUBTEST	44	137617	22.513	9.438	0.902	2.955	51.165
	Geometric Structure	06	137617	3.176	1.621	0.544	1.095	52.933
	Geometric Patterns	06	137617	2.904	1.694	0.586	1.090	48.400
	Dimensionality and the Geometry of Location	12	137617	6.220	2.930	0.723	1.542	51.833
	Congruence and the Geometry of Size	14	137617	6.831	3.178	0.722	1.676	48.792
	Similarity and the Geometry of Shape	06	137617	3.383	1.679	0.584	1.083	56.383

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2010) Female Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	50	051156	31.786	10.525	0.921	2.958	63.572
	Functional Relationships	08	051156	5.002	1.851	0.598	1.174	62.525
	Properties and Attributes of Functions	11	051156	7.503	2.570	0.726	1.345	68.209
	Linear Functions	11	051156	6.457	2.725	0.720	1.442	58.700
	Linear Equations and Inequalities	11	051156	7.475	2.850	0.791	1.303	67.954
	Quadratic and Other Nonlinear Functions	09	051156	5.350	2.127	0.607	1.333	59.444
Geometry	COMPLETE SUBTEST	44	068382	22.486	9.233	0.897	2.963	51.104
	Geometric Structure	06	068382	3.153	1.582	0.515	1.102	52.550
	Geometric Patterns	06	068382	2.870	1.680	0.576	1.094	47.833
	Dimensionality and the Geometry of Location	12	068382	6.186	2.929	0.722	1.544	51.550
	Congruence and the Geometry of Size	14	068382	6.877	3.115	0.710	1.677	49.121
	Similarity and the Geometry of Shape	06	068382	3.400	1.647	0.564	1.088	56.666

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3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2010) Male Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	50	050731	31.111	11.328	0.932	2.954	62.222
	Functional Relationships	08	050731	5.050	1.904	0.635	1.150	63.125
	Properties and Attributes of Functions	11	050731	7.067	2.736	0.750	1.368	64.245
	Linear Functions	11	050731	6.516	2.855	0.752	1.422	59.236
	Linear Equations and Inequalities	11	050731	7.184	2.997	0.809	1.310	65.309
	Quadratic and Other Nonlinear Functions	09	050731	5.293	2.273	0.664	1.318	58.811
Geometry	COMPLETE SUBTEST	44	069229	22.541	9.636	0.907	2.939	51.229
	Geometric Structure	06	069229	3.198	1.658	0.572	1.085	53.300
	Geometric Patterns	06	069229	2.937	1.707	0.596	1.085	48.950
	Dimensionality and the Geometry of Location	12	069229	6.254	2.930	0.727	1.531	52.116
	Congruence and the Geometry of Size	14	069229	6.786	3.238	0.733	1.673	48.471
	Similarity and the Geometry of Shape	06	069229	3.366	1.710	0.603	1.077	56.100

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EOC - MATHEMATICS (SPRING 2010) African American Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	50	012527	26.970	10.785	0.918	3.088	53.940
	Functional Relationships	08	012527	4.355	1.859	0.581	1.203	54.437
	Properties and Attributes of Functions	11	012527	6.338	2.762	0.735	1.422	57.618
	Linear Functions	11	012527	5.397	2.660	0.688	1.486	49.063
	Linear Equations and Inequalities	11	012527	6.266	3.005	0.785	1.393	56.963
	Quadratic and Other Nonlinear Functions	09	012527	4.613	2.152	0.597	1.366	51.255
Geometry	COMPLETE SUBTEST	44	018291	18.564	8.257	0.868	3.000	42.190
	Geometric Structure	06	018291	2.675	1.511	0.446	1.125	44.583
	Geometric Patterns	06	018291	2.320	1.515	0.480	1.092	38.666
	Dimensionality and the Geometry of Location	12	018291	4.926	2.707	0.669	1.557	41.050
	Congruence and the Geometry of Size	14	018291	5.741	2.832	0.645	1.687	41.007
	Similarity and the Geometry of Shape	06	018291	2.903	1.594	0.514	1.111	48.383

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3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2010) Asian Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	50	004489	39.518	9.008	0.922	2.516	79.036
	Functional Relationships	08	004489	6.183	1.654	0.609	1.034	77.287
	Properties and Attributes of Functions	11	004489	9.000	2.112	0.714	1.129	81.818
	Linear Functions	11	004489	8.373	2.430	0.739	1.241	76.118
	Linear Equations and Inequalities	11	004489	9.221	2.218	0.778	1.045	83.827
	Quadratic and Other Nonlinear Functions	09	004489	6.741	1.930	0.637	1.163	74.900
Geometry	COMPLETE SUBTEST	44	005180	29.614	9.655	0.920	2.731	67.304
	Geometric Structure	06	005180	4.068	1.605	0.604	1.010	67.800
	Geometric Patterns	06	005180	3.958	1.755	0.682	0.990	65.966
	Dimensionality and the Geometry of Location	12	005180	8.039	2.913	0.761	1.424	66.991
	Congruence and the Geometry of Size	14	005180	9.115	3.261	0.769	1.567	65.107
	Similarity and the Geometry of Shape	06	005180	4.434	1.531	0.614	0.951	73.900

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3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2010) Hispanic Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	50	044220	28.993	10.727	0.919	3.053	57.986
	Functional Relationships	08	044220	4.652	1.849	0.583	1.194	58.150
	Properties and Attributes of Functions	11	044220	6.801	2.692	0.727	1.407	61.827
	Linear Functions	11	044220	5.940	2.734	0.712	1.467	54.000
	Linear Equations and Inequalities	11	044220	6.742	2.954	0.787	1.363	61.290
	Quadratic and Other Nonlinear Functions	09	044220	4.857	2.144	0.597	1.361	53.966
Geometry	COMPLETE SUBTEST	44	059394	20.376	8.684	0.881	2.996	46.309
	Geometric Structure	06	059394	2.793	1.523	0.460	1.119	46.550
	Geometric Patterns	06	059394	2.581	1.600	0.526	1.102	43.016
	Dimensionality and the Geometry of Location	12	059394	5.810	2.823	0.696	1.556	48.416
	Congruence and the Geometry of Size	14	059394	6.144	2.944	0.667	1.699	43.885
	Similarity and the Geometry of Shape	06	059394	3.048	1.630	0.538	1.108	50.800

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3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2010) Native American Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	50	000435	32.766	10.641	0.925	2.914	65.532
	Functional Relationships	08	000435	5.248	1.855	0.619	1.145	65.600
	Properties and Attributes of Functions	11	000435	7.549	2.585	0.735	1.331	68.627
	Linear Functions	11	000435	6.770	2.684	0.716	1.430	61.545
	Linear Equations and Inequalities	11	000435	7.634	2.851	0.801	1.272	69.400
	Quadratic and Other Nonlinear Functions	09	000435	5.563	2.201	0.655	1.293	61.811
Geometry	COMPLETE SUBTEST	44	000607	23.517	8.947	0.890	2.967	53.447
	Geometric Structure	06	000607	3.315	1.579	0.517	1.097	55.250
	Geometric Patterns	06	000607	2.932	1.629	0.540	1.105	48.866
	Dimensionality and the Geometry of Location	12	000607	6.526	2.839	0.705	1.542	54.383
	Congruence and the Geometry of Size	14	000607	7.137	3.057	0.702	1.669	50.978
	Similarity and the Geometry of Shape	06	000607	3.608	1.582	0.523	1.093	60.133

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3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2010) White Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	50	037028	34.939	9.838	0.917	2.834	69.878
	Functional Relationships	08	037028	5.561	1.733	0.584	1.118	69.512
	Properties and Attributes of Functions	11	037028	7.990	2.368	0.701	1.295	72.636
	Linear Functions	11	037028	7.280	2.608	0.716	1.390	66.181
	Linear Equations and Inequalities	11	037028	8.164	2.597	0.774	1.235	74.218
	Quadratic and Other Nonlinear Functions	09	037028	5.943	2.073	0.617	1.283	66.033
Geometry	COMPLETE SUBTEST	44	051363	25.668	9.273	0.902	2.903	58.336
	Geometric Structure	06	051363	3.703	1.579	0.552	1.057	61.716
	Geometric Patterns	06	051363	3.379	1.682	0.587	1.081	56.316
	Dimensionality and the Geometry of Location	12	051363	6.974	2.837	0.711	1.525	58.116
	Congruence and the Geometry of Size	14	051363	7.782	3.168	0.728	1.652	55.585
	Similarity and the Geometry of Shape	06	051363	3.830	1.624	0.580	1.052	63.833

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3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2010) Total Group

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	152247	31.079	10.925	0.911	3.259	57.553
	Nature of Science	10	152247	6.086	2.448	0.676	1.393	60.860
	Structure and Function	12	152247	6.923	2.540	0.632	1.541	57.691
	Genetics and Evolution	12	152247	6.669	2.876	0.718	1.527	55.575
	Processes and Energy Transfers	10	152247	5.525	2.440	0.669	1.404	55.250
	Interactions within Ecosystems	10	152247	5.877	2.450	0.676	1.395	58.770
Chemistry	COMPLETE SUBTEST	50	129070	23.212	9.129	0.879	3.176	46.424
	Nature of Science	08	129070	3.954	1.919	0.597	1.218	49.425
	Matter	14	129070	6.470	3.049	0.705	1.656	46.214
	Atoms, Bonds, and Nuclear Processes	10	129070	4.562	2.094	0.524	1.445	45.620
	Energy Transformations	08	129070	3.462	1.770	0.483	1.273	43.275
	Solutions	10	129070	4.766	2.331	0.611	1.454	47.660
Physics	COMPLETE SUBTEST	48	025241	27.836	8.989	0.885	3.048	57.991
	Nature of Science	08	025241	5.513	1.886	0.637	1.136	68.912
	Force and Motion	12	025241	6.950	2.843	0.710	1.531	57.916
	Momentum and Energy	10	025241	5.674	2.333	0.648	1.384	56.740
	Gravitational, Electrical, and Magnetic Forces	10	025241	4.607	2.264	0.597	1.437	46.070
	Waves and Light	08	025241	5.092	1.632	0.394	1.270	63.650

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3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2010) Female Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	074872	30.963	10.484	0.902	3.282	57.338
	Nature of Science	10	074872	6.116	2.355	0.642	1.409	61.160
	Structure and Function	12	074872	6.920	2.458	0.601	1.553	57.666
	Genetics and Evolution	12	074872	6.721	2.801	0.701	1.532	56.008
	Processes and Energy Transfers	10	074872	5.479	2.387	0.650	1.412	54.790
	Interactions within Ecosystems	10	074872	5.728	2.407	0.655	1.414	57.280
Chemistry	COMPLETE SUBTEST	50	065230	22.926	8.725	0.866	3.194	45.852
	Nature of Science	08	065230	3.958	1.890	0.583	1.220	49.475
	Matter	14	065230	6.390	2.972	0.686	1.665	45.642
	Atoms, Bonds, and Nuclear Processes	10	065230	4.507	2.031	0.485	1.458	45.070
	Energy Transformations	08	065230	3.326	1.706	0.442	1.274	41.575
	Solutions	10	065230	4.746	2.267	0.582	1.466	47.460
Physics	COMPLETE SUBTEST	48	012621	26.462	8.430	0.866	3.086	55.129
	Nature of Science	08	012621	5.346	1.856	0.609	1.161	66.825
	Force and Motion	12	012621	6.535	2.750	0.678	1.560	54.458
	Momentum and Energy	10	012621	5.349	2.230	0.606	1.400	53.490
	Gravitational, Electrical, and Magnetic Forces	10	012621	4.260	2.130	0.538	1.448	42.600
	Waves and Light	08	012621	4.972	1.596	0.362	1.275	62.150

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3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2010) Male Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	077370	31.192	11.333	0.919	3.225	57.762
	Nature of Science	10	077370	6.056	2.535	0.704	1.379	60.560
	Structure and Function	12	077370	6.927	2.617	0.658	1.530	57.725
	Genetics and Evolution	12	077370	6.619	2.945	0.734	1.519	55.158
	Processes and Energy Transfers	10	077370	5.569	2.489	0.686	1.395	55.690
	Interactions within Ecosystems	10	077370	6.020	2.483	0.695	1.371	60.200
Chemistry	COMPLETE SUBTEST	50	063825	23.506	9.515	0.890	3.156	47.012
	Nature of Science	08	063825	3.949	1.949	0.609	1.219	49.362
	Matter	14	063825	6.551	3.123	0.723	1.644	46.792
	Atoms, Bonds, and Nuclear Processes	10	063825	4.618	2.155	0.560	1.429	46.180
	Energy Transformations	08	063825	3.602	1.823	0.518	1.266	45.025
	Solutions	10	063825	4.786	2.395	0.637	1.443	47.860
Physics	COMPLETE SUBTEST	48	012620	29.211	9.314	0.896	3.004	60.856
	Nature of Science	08	012620	5.680	1.901	0.659	1.110	71.000
	Force and Motion	12	012620	7.365	2.873	0.730	1.493	61.375
	Momentum and Energy	10	012620	5.998	2.388	0.673	1.366	59.980
	Gravitational, Electrical, and Magnetic Forces	10	012620	4.955	2.340	0.629	1.425	49.550
	Waves and Light	08	012620	5.212	1.658	0.420	1.263	65.150

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3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2010) African American Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	019850	27.223	10.321	0.895	3.344	50.412
	Nature of Science	10	019850	5.271	2.406	0.639	1.446	52.710
	Structure and Function	12	019850	6.317	2.528	0.614	1.571	52.641
	Genetics and Evolution	12	019850	5.842	2.733	0.672	1.565	48.683
	Processes and Energy Transfers	10	019850	4.734	2.331	0.623	1.431	47.340
	Interactions within Ecosystems	10	019850	5.059	2.334	0.615	1.448	50.590
Chemistry	COMPLETE SUBTEST	50	017781	20.649	8.085	0.844	3.193	41.298
	Nature of Science	08	017781	3.489	1.772	0.526	1.220	43.612
	Matter	14	017781	5.726	2.777	0.635	1.678	40.900
	Atoms, Bonds, and Nuclear Processes	10	017781	4.119	1.942	0.438	1.456	41.190
	Energy Transformations	08	017781	3.062	1.654	0.420	1.260	38.275
	Solutions	10	017781	4.253	2.177	0.546	1.467	42.530
Physics	COMPLETE SUBTEST	48	002472	23.097	8.203	0.854	3.134	48.118
	Nature of Science	08	002472	4.727	1.936	0.607	1.214	59.087
	Force and Motion	12	002472	5.561	2.615	0.634	1.582	46.341
	Momentum and Energy	10	002472	4.650	2.218	0.588	1.424	46.500
	Gravitational, Electrical, and Magnetic Forces	10	002472	3.690	1.942	0.455	1.434	36.900
	Waves and Light	08	002472	4.470	1.683	0.403	1.300	55.875

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EOC - SCIENCE (SPRING 2010) Asian Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	005200	37.702	10.491	0.918	3.004	69.818
	Nature of Science	10	005200	7.222	2.249	0.674	1.284	72.220
	Structure and Function	12	005200	8.294	2.387	0.633	1.446	69.116
	Genetics and Evolution	12	005200	8.314	2.773	0.742	1.409	69.283
	Processes and Energy Transfers	10	005200	6.809	2.428	0.719	1.287	68.090
	Interactions within Ecosystems	10	005200	7.063	2.326	0.699	1.276	70.630
Chemistry	COMPLETE SUBTEST	50	004874	30.003	10.195	0.910	3.058	60.006
	Nature of Science	08	004874	4.910	2.005	0.641	1.201	61.375
	Matter	14	004874	8.631	3.330	0.779	1.565	61.650
	Atoms, Bonds, and Nuclear Processes	10	004874	5.905	2.387	0.667	1.377	59.050
	Energy Transformations	08	004874	4.436	1.857	0.548	1.248	55.450
	Solutions	10	004874	6.121	2.424	0.673	1.386	61.210
Physics	COMPLETE SUBTEST	48	001501	31.331	8.657	0.885	2.936	65.272
	Nature of Science	08	001501	6.064	1.699	0.597	1.079	75.800
	Force and Motion	12	001501	8.025	2.744	0.719	1.455	66.875
	Momentum and Energy	10	001501	6.494	2.245	0.661	1.307	64.940
	Gravitational, Electrical, and Magnetic Forces	10	001501	5.278	2.346	0.626	1.435	52.780
	Waves and Light	08	001501	5.470	1.555	0.374	1.230	68.375

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EOC - SCIENCE (SPRING 2010) Hispanic Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	066796	28.112	10.136	0.891	3.346	52.059
	Nature of Science	10	066796	5.509	2.378	0.633	1.441	55.090
	Structure and Function	12	066796	6.340	2.425	0.580	1.572	52.833
	Genetics and Evolution	12	066796	6.034	2.713	0.667	1.566	50.283
	Processes and Energy Transfers	10	066796	4.944	2.318	0.614	1.440	49.440
	Interactions within Ecosystems	10	066796	5.286	2.342	0.622	1.440	52.860
Chemistry	COMPLETE SUBTEST	50	054397	20.767	8.123	0.846	3.188	41.534
	Nature of Science	08	054397	3.525	1.820	0.547	1.225	44.062
	Matter	14	054397	5.761	2.769	0.636	1.671	41.150
	Atoms, Bonds, and Nuclear Processes	10	054397	4.163	1.938	0.439	1.452	41.630
	Energy Transformations	08	054397	3.068	1.651	0.413	1.265	38.350
	Solutions	10	054397	4.249	2.176	0.548	1.463	42.490
Physics	COMPLETE SUBTEST	48	007728	24.780	8.503	0.866	3.113	51.625
	Nature of Science	08	007728	4.994	1.942	0.625	1.189	62.425
	Force and Motion	12	007728	6.054	2.713	0.663	1.575	50.450
	Momentum and Energy	10	007728	5.010	2.268	0.611	1.415	50.100
	Gravitational, Electrical, and Magnetic Forces	10	007728	3.959	2.061	0.516	1.434	39.590
	Waves and Light	08	007728	4.763	1.637	0.368	1.301	59.537

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2010) Native American Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	000736	32.243	10.914	0.913	3.219	59.709
	Nature of Science	10	000736	6.293	2.408	0.672	1.379	62.930
	Structure and Function	12	000736	7.189	2.511	0.629	1.529	59.908
	Genetics and Evolution	12	000736	6.923	2.925	0.735	1.506	57.691
	Processes and Energy Transfers	10	000736	5.766	2.385	0.655	1.401	57.660
	Interactions within Ecosystems	10	000736	6.072	2.452	0.688	1.370	60.720
Chemistry	COMPLETE SUBTEST	50	000538	24.333	8.961	0.874	3.181	48.666
	Nature of Science	08	000538	4.262	1.885	0.579	1.223	53.275
	Matter	14	000538	6.684	3.067	0.712	1.646	47.742
	Atoms, Bonds, and Nuclear Processes	10	000538	4.760	2.051	0.504	1.444	47.600
	Energy Transformations	08	000538	3.634	1.786	0.486	1.280	45.425
	Solutions	10	000538	4.993	2.214	0.559	1.470	49.930
Physics	COMPLETE SUBTEST	48	000107	27.738	8.555	0.872	3.061	57.787
	Nature of Science	08	000107	5.542	1.870	0.627	1.142	69.275
	Force and Motion	12	000107	6.916	2.775	0.699	1.522	57.633
	Momentum and Energy	10	000107	5.738	2.212	0.586	1.423	57.380
	Gravitational, Electrical, and Magnetic Forces	10	000107	4.514	2.182	0.565	1.439	45.140
	Waves and Light	08	000107	5.028	1.622	0.392	1.265	62.850

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2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2010) White Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	056760	35.380	10.299	0.908	3.124	65.518
	Nature of Science	10	056760	6.955	2.249	0.654	1.323	69.550
	Structure and Function	12	056760	7.709	2.427	0.618	1.500	64.241
	Genetics and Evolution	12	056760	7.576	2.809	0.726	1.470	63.133
	Processes and Energy Transfers	10	056760	6.378	2.309	0.656	1.354	63.780
	Interactions within Ecosystems	10	056760	6.761	2.300	0.668	1.325	67.610
Chemistry	COMPLETE SUBTEST	50	048253	26.209	9.213	0.882	3.165	52.418
	Nature of Science	08	048253	4.508	1.897	0.593	1.210	56.350
	Matter	14	048253	7.320	3.093	0.718	1.642	52.285
	Atoms, Bonds, and Nuclear Processes	10	048253	5.039	2.131	0.545	1.437	50.390
	Energy Transformations	08	048253	3.947	1.772	0.476	1.283	49.337
	Solutions	10	048253	5.396	2.339	0.617	1.448	53.960
Physics	COMPLETE SUBTEST	48	012728	30.221	8.529	0.877	2.991	62.960
	Nature of Science	08	012728	5.915	1.730	0.602	1.091	73.937
	Force and Motion	12	012728	7.644	2.720	0.697	1.497	63.700
	Momentum and Energy	10	012728	6.182	2.238	0.630	1.361	61.820
	Gravitational, Electrical, and Magnetic Forces	10	012728	5.106	2.275	0.601	1.437	51.060
	Waves and Light	08	012728	5.373	1.557	0.359	1.247	67.162

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2010) Total Group

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	037349	36.551	13.615	0.926	3.704	53.751
	Issues and Events	20	037349	10.599	4.329	0.783	2.017	52.995
	Geography	07	037349	3.575	1.890	0.603	1.191	51.071
	Economics and Technology	15	037349	7.989	3.235	0.710	1.742	53.260
	Government and Citizenship	08	037349	4.217	2.102	0.649	1.245	52.712
	Culture	08	037349	4.407	1.940	0.572	1.269	55.087
	Social Studies Skills	10	037349	5.764	2.484	0.688	1.387	57.640
World Geography	COMPLETE SUBTEST	68	089314	37.076	14.317	0.936	3.622	54.523
	Issues and Events	06	089314	3.391	1.716	0.605	1.078	56.516
	Geography	20	089314	11.044	4.362	0.792	1.989	55.220
	Economics and Technology	12	089314	6.317	2.803	0.706	1.520	52.641
	Government and Citizenship	08	089314	4.037	2.112	0.654	1.242	50.462
	Culture	12	089314	6.741	2.928	0.730	1.521	56.175
	Social Studies Skills	10	089314	5.547	2.485	0.687	1.390	55.470

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2010) Female Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	018314	35.485	13.023	0.918	3.729	52.183
	Issues and Events	20	018314	10.054	4.121	0.755	2.040	50.270
	Geography	07	018314	3.414	1.847	0.579	1.198	48.771
	Economics and Technology	15	018314	7.691	3.128	0.684	1.758	51.273
	Government and Citizenship	08	018314	4.189	2.041	0.628	1.245	52.362
	Culture	08	018314	4.372	1.919	0.559	1.274	54.650
	Social Studies Skills	10	018314	5.765	2.422	0.667	1.398	57.650
World Geography	COMPLETE SUBTEST	68	044102	36.208	13.727	0.928	3.683	53.247
	Issues and Events	06	044102	3.290	1.683	0.581	1.089	54.833
	Geography	20	044102	10.757	4.193	0.769	2.015	53.785
	Economics and Technology	12	044102	6.091	2.756	0.689	1.537	50.758
	Government and Citizenship	08	044102	3.941	2.079	0.639	1.249	49.262
	Culture	12	044102	6.646	2.821	0.703	1.537	55.383
	Social Studies Skills	10	044102	5.484	2.389	0.655	1.403	54.840

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2010) Male Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	019035	37.576	14.086	0.932	3.673	55.258
	Issues and Events	20	019035	11.123	4.458	0.801	1.989	55.615
	Geography	07	019035	3.730	1.918	0.621	1.181	53.285
	Economics and Technology	15	019035	8.275	3.310	0.728	1.726	55.166
	Government and Citizenship	08	019035	4.243	2.159	0.670	1.240	53.037
	Culture	08	019035	4.441	1.959	0.586	1.260	55.512
	Social Studies Skills	10	019035	5.764	2.543	0.707	1.377	57.640
World Geography	COMPLETE SUBTEST	68	045210	37.925	14.821	0.941	3.600	55.772
	Issues and Events	06	045210	3.490	1.743	0.627	1.065	58.166
	Geography	20	045210	11.325	4.504	0.810	1.963	56.625
	Economics and Technology	12	045210	6.538	2.831	0.720	1.498	54.483
	Government and Citizenship	08	045210	4.131	2.139	0.667	1.234	51.637
	Culture	12	045210	6.833	3.026	0.754	1.501	56.941
	Social Studies Skills	10	045210	5.608	2.574	0.713	1.379	56.080

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2010) African American Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	005380	31.973	12.887	0.915	3.757	47.019
	Issues and Events	20	005380	9.463	4.204	0.765	2.038	47.315
	Geography	07	005380	2.871	1.771	0.543	1.197	41.014
	Economics and Technology	15	005380	6.980	3.039	0.657	1.780	46.533
	Government and Citizenship	08	005380	3.794	2.079	0.639	1.249	47.425
	Culture	08	005380	3.834	1.895	0.540	1.285	47.925
	Social Studies Skills	10	005380	5.031	2.443	0.659	1.427	50.310
World Geography	COMPLETE SUBTEST	68	011564	31.635	12.707	0.914	3.726	46.522
	Issues and Events	06	011564	2.840	1.623	0.524	1.120	47.333
	Geography	20	011564	9.500	3.981	0.738	2.038	47.500
	Economics and Technology	12	011564	5.418	2.595	0.639	1.559	45.150
	Government and Citizenship	08	011564	3.370	1.881	0.540	1.276	42.125
	Culture	12	011564	5.826	2.790	0.688	1.558	48.550
	Social Studies Skills	10	011564	4.681	2.273	0.605	1.429	46.810

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2010) Asian Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	001290	42.984	13.055	0.925	3.575	63.211
	Issues and Events	20	001290	12.688	4.180	0.788	1.925	63.440
	Geography	07	001290	4.325	1.838	0.605	1.155	61.785
	Economics and Technology	15	001290	9.314	3.124	0.704	1.700	62.093
	Government and Citizenship	08	001290	4.919	2.023	0.640	1.214	61.487
	Culture	08	001290	5.150	1.842	0.558	1.225	64.375
	Social Studies Skills	10	001290	6.587	2.391	0.688	1.336	65.870
World Geography	COMPLETE SUBTEST	68	003090	46.564	13.706	0.940	3.357	68.476
	Issues and Events	06	003090	4.220	1.602	0.622	0.985	70.333
	Geography	20	003090	13.561	4.069	0.793	1.851	67.805
	Economics and Technology	12	003090	7.954	2.802	0.742	1.423	66.283
	Government and Citizenship	08	003090	5.312	2.038	0.674	1.164	66.400
	Culture	12	003090	8.638	2.750	0.754	1.364	71.983
	Social Studies Skills	10	003090	6.880	2.308	0.687	1.291	68.800

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2010) Hispanic Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	016144	33.338	12.707	0.913	3.748	49.026
	Issues and Events	20	016144	9.693	4.116	0.755	2.037	48.465
	Geography	07	016144	3.220	1.787	0.542	1.209	46.000
	Economics and Technology	15	016144	7.286	3.085	0.671	1.770	48.573
	Government and Citizenship	08	016144	3.820	2.003	0.604	1.260	47.750
	Culture	08	016144	4.093	1.906	0.546	1.284	51.162
	Social Studies Skills	10	016144	5.225	2.384	0.642	1.426	52.250
World Geography	COMPLETE SUBTEST	68	040581	33.205	12.904	0.917	3.718	48.830
	Issues and Events	06	040581	3.038	1.654	0.548	1.112	50.633
	Geography	20	040581	9.990	4.075	0.751	2.033	49.950
	Economics and Technology	12	040581	5.573	2.556	0.631	1.553	46.441
	Government and Citizenship	08	040581	3.540	1.940	0.577	1.262	44.250
	Culture	12	040581	6.082	2.745	0.676	1.562	50.683
	Social Studies Skills	10	040581	4.982	2.319	0.622	1.426	49.820

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2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2010) Native American Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	000153	39.248	12.470	0.912	3.699	57.717
	Issues and Events	20	000153	11.399	4.296	0.786	1.987	56.995
	Geography	07	000153	4.007	1.797	0.556	1.197	57.242
	Economics and Technology	15	000153	8.314	2.970	0.651	1.755	55.426
	Government and Citizenship	08	000153	4.464	2.036	0.613	1.267	55.800
	Culture	08	000153	4.654	1.745	0.452	1.292	58.175
	Social Studies Skills	10	000153	6.412	2.324	0.663	1.349	64.120
World Geography	COMPLETE SUBTEST	68	000376	39.803	13.681	0.930	3.620	58.533
	Issues and Events	06	000376	3.652	1.662	0.585	1.071	60.866
	Geography	20	000376	11.787	4.166	0.776	1.972	58.935
	Economics and Technology	12	000376	6.816	2.723	0.692	1.511	56.800
	Government and Citizenship	08	000376	4.521	1.973	0.593	1.259	56.512
	Culture	12	000376	7.213	2.920	0.737	1.497	60.108
	Social Studies Skills	10	000376	5.814	2.412	0.668	1.390	58.140

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2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2010) White Only

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	013282	41.614	13.166	0.925	3.606	61.197
	Issues and Events	20	013282	11.940	4.209	0.778	1.983	59.700
	Geography	07	013282	4.201	1.852	0.605	1.164	60.014
	Economics and Technology	15	013282	9.097	3.124	0.707	1.691	60.646
	Government and Citizenship	08	013282	4.805	2.086	0.659	1.218	60.062
	Culture	08	013282	4.951	1.856	0.553	1.241	61.887
	Social Studies Skills	10	013282	6.620	2.354	0.684	1.323	66.200
World Geography	COMPLETE SUBTEST	68	031513	43.277	13.973	0.937	3.507	63.642
	Issues and Events	06	031513	3.979	1.636	0.609	1.023	66.316
	Geography	20	031513	12.765	4.210	0.792	1.920	63.825
	Economics and Technology	12	031513	7.466	2.721	0.713	1.458	62.216
	Government and Citizenship	08	031513	4.814	2.121	0.676	1.207	60.175
	Culture	12	031513	7.770	2.832	0.735	1.458	64.750
	Social Studies Skills	10	031513	6.483	2.433	0.699	1.335	64.830

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

