

**TAKS**  
**2013 Mean P-Values and**  
**Internal Consistency Values**  
**By Objective and**  
**Content Area**

### Grade 11 TAKS (Spring 2013) Total Group

Subject	Test Objective	Score Point*	N	Mean	SD	Alpha**	SEM	Mean P-Value***	
ELA	OVERALL TEST	73	291275	57.576	7.464	0.856	2.834	87.536	
	Basic Understanding	8	291275	7.117	1.082	0.409	0.832	88.966	
	Literary Elements and Techniques	8	291275	8.450	1.447	0.371	1.147	87.520	
	Analysis and Critical Evaluation	12	291275	13.069	2.180	0.550	1.463	82.195	
	Revising and Editing	20	291275	18.035	2.503	0.762	1.222	90.175	
Mathematics	OVERALL TEST	60	289696	43.747	9.991	0.907	3.049	72.912	
	Functional Relationships	5	289696	3.728	1.058	0.369	0.841	74.556	
	Properties and Attributes of Functions	5	289696	3.893	1.132	0.453	0.837	77.857	
	Linear Functions	5	289696	3.724	1.152	0.453	0.852	74.476	
	Linear Equations and Inequalities	5	289696	3.919	1.115	0.459	0.820	78.370	
	Quadratic and Other Nonlinear Functions	5	289696	4.188	1.000	0.452	0.740	83.754	
	Geometric Relationships and Spatial Reasoning	7	289696	4.870	1.571	0.525	1.083	69.570	
	Two- and Three-Dimensional Representations	7	289696	5.232	1.487	0.499	1.052	74.739	
	Measurement and Similarity	7	289696	4.708	1.780	0.607	1.116	67.260	
	Percents/Proportions/Probability/Statistics	5	289696	3.708	1.152	0.419	0.878	74.155	
	Mathematical Processes and Tools	9	289696	5.779	2.124	0.651	1.254	64.212	
	Science	OVERALL TEST	55	291189	41.004	7.546	0.854	2.886	74.553
		Nature of Science	17	291189	13.811	2.615	0.686	1.464	81.244
Organization of Living Systems		8	291189	5.962	1.500	0.478	1.084	74.521	
Interdependence of Organisms and the Environment		8	291189	5.814	1.433	0.373	1.135	72.674	
Structures and Properties of Matter		11	291189	7.660	2.019	0.551	1.353	69.640	
Motion, Forces, and Energy		11	291189	7.757	2.016	0.541	1.366	70.515	
Social Studies	OVERALL TEST	55	292099	46.004	7.729	0.899	2.451	83.644	
	Issues and Events in U.S. History	13	292099	9.922	2.487	0.714	1.329	76.322	
	Geographic Influences on History	9	292099	7.663	1.633	0.646	0.971	85.144	
	Economic and Social Influences on History	13	292099	11.107	2.055	0.692	1.140	85.435	
	Political Influences on History	9	292099	7.507	1.560	0.579	1.013	83.409	
	Critical-Thinking Skills	11	292099	9.806	1.500	0.594	0.955	89.146	

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

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

\*\*\* Multiple-choice and gridded items only

**Grade 11 TAKS (Spring 2013) Female**

<b>Subject</b>	<b>Test Objective</b>	<b>Score Point*</b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha**</b>	<b>SEM</b>	<b>Mean P-Value***</b>
ELA	OVERALL TEST	73	145244	58.456	7.020	0.843	2.782	88.348
	Basic Understanding	8	145244	7.128	1.057	0.386	0.828	89.104
	Literary Elements and Techniques	8	145244	8.518	1.409	0.347	1.139	87.884
	Analysis and Critical Evaluation	12	145244	13.221	2.105	0.529	1.444	82.810
	Revising and Editing	20	145244	18.311	2.272	0.745	1.147	91.554
Mathematics	OVERALL TEST	60	144365	43.483	9.764	0.901	3.066	72.472
	Functional Relationships	5	144365	3.754	1.046	0.361	0.837	75.089
	Properties and Attributes of Functions	5	144365	3.954	1.091	0.423	0.829	79.076
	Linear Functions	5	144365	3.707	1.169	0.455	0.863	74.135
	Linear Equations and Inequalities	5	144365	3.921	1.094	0.436	0.822	78.414
	Quadratic and Other Nonlinear Functions	5	144365	4.226	0.956	0.414	0.732	84.528
	Geometric Relationships and Spatial Reasoning	7	144365	4.873	1.541	0.502	1.087	69.611
	Two- and Three-Dimensional Representations	7	144365	5.120	1.513	0.497	1.073	73.146
	Measurement and Similarity	7	144365	4.580	1.775	0.591	1.136	65.431
	Percents/Proportions/Probability/Statistics	5	144365	3.696	1.145	0.411	0.879	73.930
	Mathematical Processes and Tools	9	144365	5.652	2.088	0.633	1.265	62.798
Science	OVERALL TEST	55	144939	40.260	7.363	0.842	2.926	73.200
	Nature of Science	17	144939	13.604	2.600	0.669	1.496	80.024
	Organization of Living Systems	8	144939	5.895	1.499	0.461	1.101	73.683
	Interdependence of Organisms and the Environment	8	144939	5.719	1.422	0.352	1.144	71.482
	Structures and Properties of Matter	11	144939	7.581	1.973	0.520	1.366	68.919
	Motion, Forces, and Energy	11	144939	7.462	1.980	0.511	1.384	67.834
Social Studies	OVERALL TEST	55	145280	45.111	7.875	0.896	2.545	82.021
	Issues and Events in U.S. History	13	145280	9.514	2.574	0.706	1.395	73.183
	Geographic Influences on History	9	145280	7.516	1.693	0.640	1.015	83.507
	Economic and Social Influences on History	13	145280	10.946	2.111	0.689	1.178	84.201
	Political Influences on History	9	145280	7.424	1.572	0.565	1.036	82.492
	Critical-Thinking Skills	11	145280	9.712	1.513	0.575	0.987	88.287

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### Grade 11 TAKS (Spring 2013) Male

Subject	Test Objective	Score Point*	N	Mean	SD	Alpha**	SEM	Mean P-Value***
ELA	OVERALL TEST	73	145964	56.703	7.781	0.863	2.880	86.730
	Basic Understanding	8	145964	7.107	1.107	0.431	0.834	88.832
	Literary Elements and Techniques	8	145964	8.384	1.480	0.394	1.152	87.159
	Analysis and Critical Evaluation	12	145964	12.918	2.242	0.564	1.480	81.585
Mathematics	Revising and Editing	20	145964	17.761	2.684	0.769	1.290	88.805
	OVERALL TEST	60	145266	44.012	10.204	0.912	3.024	73.353
	Functional Relationships	5	145266	3.702	1.069	0.378	0.843	74.031
	Properties and Attributes of Functions	5	145266	3.833	1.168	0.476	0.845	76.652
	Linear Functions	5	145266	3.741	1.135	0.456	0.837	74.816
	Linear Equations and Inequalities	5	145266	3.917	1.136	0.483	0.817	78.331
	Quadratic and Other Nonlinear Functions	5	145266	4.149	1.039	0.483	0.748	82.990
	Geometric Relationships and Spatial Reasoning	7	145266	4.867	1.601	0.547	1.078	69.533
	Two- and Three-Dimensional Representations	7	145266	5.343	1.451	0.496	1.030	76.327
	Measurement and Similarity	7	145266	4.836	1.775	0.619	1.095	69.082
	Percents/Proportions/Probability/Statistics	5	145266	3.719	1.159	0.427	0.877	74.382
	Mathematical Processes and Tools	9	145266	5.906	2.152	0.669	1.238	65.623
	Science	OVERALL TEST	55	146182	41.744	7.650	0.862	2.838
Nature of Science		17	146182	14.018	2.614	0.701	1.429	82.457
Organization of Living Systems		8	146182	6.028	1.497	0.494	1.065	75.354
Interdependence of Organisms and the Environment		8	146182	5.909	1.438	0.389	1.124	73.860
Structures and Properties of Matter		11	146182	7.739	2.061	0.578	1.338	70.358
Motion, Forces, and Energy		11	146182	8.050	2.008	0.554	1.341	73.178
Social Studies	OVERALL TEST	55	146747	46.890	7.475	0.901	2.348	85.255
	Issues and Events in U.S. History	13	146747	10.326	2.327	0.707	1.259	79.434
	Geographic Influences on History	9	146747	7.809	1.557	0.648	0.924	86.769
	Economic and Social Influences on History	13	146747	11.266	1.985	0.693	1.100	86.661
	Political Influences on History	9	146747	7.589	1.544	0.591	0.988	84.320
	Critical-Thinking Skills	11	146747	9.900	1.479	0.613	0.920	90.000

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\*\*\* Multiple-choice and gridded items only

### Grade 11 TAKS (Spring 2013) Black or African American

Subject	Test Objective	Score Point*	N	Mean	SD	Alpha**	SEM	Mean P-Value***
ELA	OVERALL TEST	73	36051	55.473	7.605	0.847	2.976	84.837
	Basic Understanding	8	36051	6.865	1.169	0.371	0.927	85.808
	Literary Elements and Techniques	8	36051	8.147	1.546	0.378	1.219	84.803
	Analysis and Critical Evaluation	12	36051	12.593	2.292	0.554	1.530	79.600
Mathematics	Revising and Editing	20	36051	17.521	2.708	0.752	1.349	87.605
	OVERALL TEST	60	35697	39.710	9.803	0.889	3.264	66.183
	Functional Relationships	5	35697	3.570	1.104	0.361	0.883	71.408
	Properties and Attributes of Functions	5	35697	3.675	1.180	0.413	0.904	73.501
	Linear Functions	5	35697	3.384	1.207	0.412	0.926	67.688
	Linear Equations and Inequalities	5	35697	3.595	1.178	0.428	0.891	71.909
	Quadratic and Other Nonlinear Functions	5	35697	3.972	1.074	0.426	0.813	79.447
	Geometric Relationships and Spatial Reasoning	7	35697	4.440	1.550	0.452	1.148	63.432
	Two- and Three-Dimensional Representations	7	35697	4.577	1.622	0.496	1.151	65.383
	Measurement and Similarity	7	35697	4.069	1.766	0.544	1.193	58.132
	Percents/Proportions/Probability/Statistics	5	35697	3.443	1.179	0.374	0.933	68.867
	Mathematical Processes and Tools	9	35697	4.982	2.018	0.571	1.322	55.359
	Science	OVERALL TEST	55	36029	38.258	7.538	0.836	3.051
Nature of Science		17	36029	12.944	2.765	0.667	1.596	76.139
Organization of Living Systems		8	36029	5.567	1.526	0.439	1.143	69.593
Interdependence of Organisms and the Environment		8	36029	5.434	1.445	0.330	1.183	67.927
Structures and Properties of Matter		11	36029	7.214	2.031	0.517	1.411	65.584
Social Studies	Motion, Forces, and Energy	11	36029	7.099	2.010	0.496	1.427	64.534
	OVERALL TEST	55	36201	43.675	8.252	0.894	2.689	79.409
	Issues and Events in U.S. History	13	36201	9.295	2.588	0.697	1.425	71.499
	Geographic Influences on History	9	36201	7.132	1.819	0.625	1.114	79.246
	Economic and Social Influences on History	13	36201	10.523	2.231	0.679	1.265	80.943
	Political Influences on History	9	36201	7.284	1.636	0.568	1.075	80.933
Critical-Thinking Skills	11	36201	9.442	1.668	0.589	1.070	85.832	

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\*\*\* Multiple-choice and gridded items only

**Grade 11 TAKS (Spring 2013) Hispanic/Latino**

<b>Subject</b>	<b>Test Objective</b>	<b>Score Point*</b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha**</b>	<b>SEM</b>	<b>Mean P-Value***</b>
ELA	OVERALL TEST	73	136366	56.441	7.842	0.861	2.921	85.963
	Basic Understanding	8	136366	7.055	1.145	0.444	0.854	88.183
	Literary Elements and Techniques	8	136366	8.329	1.498	0.379	1.180	85.983
	Analysis and Critical Evaluation	12	136366	12.818	2.266	0.557	1.509	80.403
Mathematics	Revising and Editing	20	136366	17.681	2.715	0.768	1.308	88.403
	OVERALL TEST	60	135651	42.108	9.895	0.899	3.147	70.181
	Functional Relationships	5	135651	3.630	1.080	0.373	0.855	72.602
	Properties and Attributes of Functions	5	135651	3.757	1.161	0.432	0.875	75.148
	Linear Functions	5	135651	3.577	1.175	0.433	0.885	71.545
	Linear Equations and Inequalities	5	135651	3.822	1.131	0.439	0.847	76.440
	Quadratic and Other Nonlinear Functions	5	135651	4.084	1.034	0.435	0.777	81.671
	Geometric Relationships and Spatial Reasoning	7	135651	4.704	1.566	0.495	1.112	67.205
	Two- and Three-Dimensional Representations	7	135651	5.106	1.499	0.484	1.077	72.936
	Measurement and Similarity	7	135651	4.452	1.782	0.581	1.153	63.607
	Percents/Proportions/Probability/Statistics	5	135651	3.556	1.171	0.395	0.911	71.122
	Mathematical Processes and Tools	9	135651	5.420	2.109	0.623	1.295	60.218
	Science	OVERALL TEST	55	136045	39.413	7.518	0.842	2.988
Nature of Science		17	136045	13.327	2.707	0.677	1.539	78.392
Organization of Living Systems		8	136045	5.744	1.514	0.450	1.123	71.805
Interdependence of Organisms and the Environment		8	136045	5.623	1.441	0.351	1.161	70.292
Structures and Properties of Matter		11	136045	7.311	2.021	0.525	1.393	66.465
Motion, Forces, and Energy		11	136045	7.407	2.001	0.505	1.409	67.340
Social Studies	OVERALL TEST	55	136460	44.512	8.098	0.896	2.606	80.931
	Issues and Events in U.S. History	13	136460	9.534	2.572	0.709	1.387	73.336
	Geographic Influences on History	9	136460	7.409	1.724	0.631	1.047	82.326
	Economic and Social Influences on History	13	136460	10.731	2.188	0.687	1.224	82.544
	Political Influences on History	9	136460	7.288	1.640	0.577	1.066	80.977
	Critical-Thinking Skills	11	136460	9.550	1.596	0.579	1.036	86.820

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### Grade 11 TAKS (Spring 2013) White

Subject	Test Objective	Score Point*	N	Mean	SD	Alpha**	SEM	Mean P-Value***	
ELA	OVERALL TEST	73	99845	59.524	6.144	0.812	2.661	90.295	
	Basic Understanding	8	99845	7.266	0.931	0.308	0.774	90.827	
	Literary Elements and Techniques	8	99845	8.682	1.291	0.300	1.080	90.231	
	Analysis and Critical Evaluation	12	99845	13.512	1.904	0.474	1.380	85.221	
	Revising and Editing	20	99845	18.631	1.933	0.700	1.058	93.153	
Mathematics	OVERALL TEST	60	99349	46.527	9.153	0.901	2.878	77.545	
	Functional Relationships	5	99349	3.860	0.998	0.330	0.817	77.207	
	Properties and Attributes of Functions	5	99349	4.078	1.051	0.447	0.782	81.561	
	Linear Functions	5	99349	3.963	1.044	0.420	0.795	79.256	
	Linear Equations and Inequalities	5	99349	4.103	1.041	0.451	0.771	82.056	
	Quadratic and Other Nonlinear Functions	5	99349	4.350	0.909	0.444	0.678	87.003	
	Geometric Relationships and Spatial Reasoning	7	99349	5.130	1.517	0.533	1.037	73.284	
	Two- and Three-Dimensional Representations	7	99349	5.557	1.323	0.437	0.993	79.380	
	Measurement and Similarity	7	99349	5.150	1.655	0.594	1.054	73.576	
	Percents/Proportions/Probability/Statistics	5	99349	3.948	1.069	0.407	0.823	78.964	
	Mathematical Processes and Tools	9	99349	6.388	1.975	0.637	1.189	70.974	
	Science	OVERALL TEST	55	100063	43.582	6.579	0.831	2.706	79.239
		Nature of Science	17	100063	14.646	2.145	0.621	1.321	86.152
Organization of Living Systems		8	100063	6.299	1.383	0.457	1.020	78.732	
Interdependence of Organisms and the Environment		8	100063	6.149	1.340	0.343	1.086	76.861	
Structures and Properties of Matter		11	100063	8.145	1.870	0.525	1.289	74.050	
Motion, Forces, and Energy		11	100063	8.343	1.861	0.519	1.291	75.843	
Social Studies	OVERALL TEST	55	100362	48.398	6.271	0.880	2.173	87.996	
	Issues and Events in U.S. History	13	100362	10.517	2.212	0.689	1.233	80.903	
	Geographic Influences on History	9	100362	8.125	1.302	0.604	0.819	90.273	
	Economic and Social Influences on History	13	100362	11.727	1.613	0.628	0.984	90.205	
	Political Influences on History	9	100362	7.808	1.376	0.542	0.931	86.754	
	Critical-Thinking Skills	11	100362	10.221	1.182	0.540	0.802	92.920	

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