

# Georgia Performance Standards Curriculum Matrix Summary

## Georgia Student Assessment Program

The Georgia Student Assessment Program requires students in grades one through eight to take a Criterion-Referenced Competency Tests (CRCT). The CRCT is designed to measure how well students acquire the skills and knowledge described in the Georgia Performance Standards (GPS).

End of Course Tests (EOCT) are required in grades nine through twelve for Mathematics (Algebra I and Geometry), Social Studies (United States History and Economics), Science (Physical Science and Biology), and English Language Arts (ELA) (Ninth Grade Literature and Composition and American Literature and Composition) The EOCT is administered upon completion of one of the above courses.

The Georgia High School Graduation Tests (GHSGT) identifies students who may need additional instruction in the content and skills required for a diploma. Since 2004, the English Language Arts and Math high school graduation tests have been used to measure Adequate Yearly Progress (AYP) under the No Child Left Behind legislation. All students seeking a Georgia high school diploma must pass the Georgia High School Graduation Tests (GHSGT) in four content areas as well as the Georgia High School Writing Assessment.

## Curriculum Matrix Priority Designations

### English Language Arts

Priority designations for the ELA were determined by an analysis of the **Content Weights for the CRCT – GPS-Based CRCT**, the CRCT Content Descriptor, and the GHGT Content Descriptor. This information can be found at [http://public.doe.k12.ga.us/ci\\_testing.aspx?PageReq=CITestingCRCTDesc](http://public.doe.k12.ga.us/ci_testing.aspx?PageReq=CITestingCRCTDesc) and [http://public.doe.k12.ga.us/ci\\_testing.aspx?PageReq=CI\\_TESTING\\_GHSGT](http://public.doe.k12.ga.us/ci_testing.aspx?PageReq=CI_TESTING_GHSGT) respectively. These documents provided the approximate weights (percentages) of test items for each test domain. The domain testing weights were averaged for each grade level and GHSGT test standards. Standard deviations (STD) were calculated for each grade level and subtracted from the mean. This number established the cut-off point between Medium (M) priority designations and High (H) priority designations. Standards not tested were assigned a Low (L) priority designation. The results can be found in Table 1 below.

**Table 1: English Language Arts Priority Designation Data**

	Mean	STD	Mean – STD	Designations		
				L = Low	M = Medium	H = High
<b>Grade 1</b>	40	27*	13	0	1-13	>13
<b>Grade 2</b>	40	23*	17	0	1-17	>17
<b>Grade 3</b>	40	16*	24	0	1-24	>24
<b>Grade 4</b>	40	12*	28	0	1-28	>28
<b>Grade 5</b>	40	12*	28	0	1-28	>28
<b>Grade 6</b>	40	13*	27	0	1-27	>27
<b>Grade 7</b>	40	13*	27	0	1-27	>27
<b>Grade 8</b>	40	13*	27	0	1-27	>27
<b>Secondary</b>	25	33*	12	0	1-21	>21

\*Rounded to the nearest whole number.

Table 2 below provides a summary of the number of priority designations for CRCT testing and GHSGT. Both the CRCT and GHSGT ELA/Writing tests are aligned to GPS.

**Table 2. Georgia English Language Arts CRCT/GHSGT Data Summary**

English Language Arts			CRCT/GHSGT			Curriculum Survey		
Grade	Content Domains	Performance Standards	H	M	L	H 1-35	M 36-70	L 71 +
1	3	12	3	1	8	9	2	1
2	3	10	4	0	6	8	2	0
3	3	10	3	1	6	9	1	0
4	3	15	7	1	7	11	3	1
5	4	16	12	1	3	12	3	1
6	5	20	15	3	2	15	5	0
7	5	20	14	2	4	14	6	0
8	5	22	14	3	5	16	6	0
9	5	22	5	3	14	13	8	1
American Literature	2	14	6	1	7	5	9	0
<b>Totals</b>	38	161	83	16	62	112	45	4

### Mathematics

Priority designations for grades 1-8 were determined by an analysis of the *CRCT Content Descriptor*. This document identified those GPS associated with each domain tested on the CRCT. This information can be found <http://public.doe.k12.ga.us/DMGetDocument.aspx/TCD-math.doc?p=4BE1EECF99CD364EA5554055463F1FBB77B0B70FECF5942E12E123FE4810FFF53501CAAE8CB82838BF623FA3A2927099&Type=D>. These documents provided the approximate weights (percentages) of test items for each domain. The domain testing weights were averaged for each grade level and GHSGT test standards. Standard deviations (STD) were calculated for each grade level and subtracted from the mean. This number established the cut-off point between Medium (M) priority designations and High (H) priority designations. Low (L) priority CRCT/GHSGT designations were not assigned because all mathematics GPS are tested. The results can be found in Table 3 below.

**Table 3: Mathematics Priority Designation Data**

	Mean	STD	Mean – STD	Designations		
				L = Low	M = Medium	H = High
<b>Grade 1</b>	25	16*	9	0	1-9	>9
<b>Grade 2</b>	25	16*	9	0	1-9	>9
<b>Grade 3</b>	20	14*	6	0	1-6	>6
<b>Grade 4</b>	20	11*	9	0	1-9	>9
<b>Grade 5</b>	20	11*	9	0	1-9	>9
<b>Grade 6</b>	20	5	15	0	1-15	>15
<b>Grade 7</b>	25	8*	17	0	1-17	>17
<b>Grade 8</b>	25	13*	12	0	1-12	>12
<b>Secondary</b>	25	6*	19	0	1-19	>19

\*Rounded to the nearest whole number.

Table 4 below provides a summary of the number of priority designations for CRCT testing (GPS version) and GHS GT (QCC version). The GHS GT will begin testing the mathematics GPS during the 2008-2009 school year.

**Table 4: Georgia Mathematics CRCT/GHS GT Data Summary**

Mathematics			CRCT/ GPS Version GHS GT/QCC Version			**Curriculum Survey		
Grade	Content Domains/ GHS GT Test Strands	Performance Standards/ GHS GT Test Strands	H	M	L	H 1-35	M 36-70	L 71 +
1	5	15	15	0	0	10	5	0
2	5	17	17	0	0	14	3	0
3	6	17	17	0	0	16	1	0
4	6	19	19	0	0	17	2	0
5	6	18	18	0	0	14	3	1
6	6	17	14	3	0	16	1	0
7	5	14	13	1	0	12	2	0
8	5	16	14	2	0	14	2	0
Secondary	4	39	32	7	0	28	8	3
<b>Totals</b>	48	172	159	13	0	141	27	4

## Science

Priority designations for Science (grades 3-7 and 9-12) were determined by an analysis of the CRCT Content Descriptor. These documents provided the approximate weights (percentages) of test items for each domain. This information can be found at

<http://www.georgiastandards.org/DMGetDocument.aspx/Eighth%20Grade%20Approved%2007-12-2004.pdf?p=6CC6799F8C1371F65A17F0D679E63EF03D96A3EB9D4D2CDBC79A77A4FD21D3ED&Type=D>. The domain testing weights were averaged for each grade level and GHS GT test standards. Standard deviations (STD) were calculated for each grade level and subtracted from the mean. This number established the cut-off point between Medium (M) priority designations and High (H) priority designations. Standards not tested were assigned a Low (L) priority designation. The results can be found in Table 5 below.

**Table 5: Science Priority Designation Data**

	Mean	STD	Mean – STD	Designations		
				L = Low	M = Medium	H = High
<b>Grade 3</b>	33.33	0.41	32.90	0	1-32	>32
<b>Grade 4</b>	33.33	4.10	29.23	0	1-29	>29
<b>Grade 5</b>	33.33	4.10	29.23	0	1-29	>29.
<b>Grade 6</b>	33.33	8.16	25.17	0	1-25	>25
<b>Grade 7</b>	33.33	12.42	20.9	0	1-21	>21
<b>Grade 8</b>	33.33	4.10	29.23	0	1-29	>29
<b>Secondary</b>	20.00	4.12	15.88	0	1-16	>16

**Table 6: Georgia Science CRCT/GHSGT Data Summary**

Science			CRCT/GHSGT GPS Version			**Curriculum Survey		
Grade	Content Domains/ GHSGT Test Strands	Performance Standards/ GHSGT Test Strands	H	M	L	H 1-35	M 36-70	L 71 +
3	3	14	14	0	0	12	1	1
4	3	17	17	0	0	15	1	1
5	3	15	15	0	0	14	0	1
6	3	16	13	2	1	14	1	1
7	3	15	12	2	1	13	1	1
8	3	15	14	0	1	14	1	0
Secondary	5	33	22	6	5	29	3	1
<b>Totals</b>	26	125	107	10	8	111	8	6

**Georgia Curriculum Matrix Summary  
Totals for CRCT and GHSGT GPS Tested  
English Language Arts Mathematics and Science**

Table 7 below summarizes the data for English Language Arts, Mathematics, and Science assessed by the CRCT and GHSGT.

**Table 7. Total for All CRCT and GHSGT Tested Grade Levels**

Georgia Performance Standards			CRCT and GHSGT			**Curriculum Survey		
Grade	Content Standards/ GHSGT Test Strands	Performance Standards/ GHSGT Test Strands	H	M	L	H 1-35	M 36-70	L 71 +
<b>ELA</b>	38	161	83	16	62	112	45	4
<b>Math</b>	48	172	159	13	0	141	27	4
<b>Science</b>	26	125	107	10	8	111	8	6
<b>Grand Total</b>	112	458	349	39	70	364	80	14

**Georgia Curriculum Matrix Summary  
Total Percentage for CRCT and GHSGT GPS Tested  
Language Arts, Mathematics and Science**

The data in the tables above suggests that the Georgia Department of Education tests (CRCT and GHSGT) approximately 85 percent of the performance standards. More specific data relating to the subject areas can be found in Table 8 below.

**Total 8. Total Percentages of for CRCT and GHSGT**

	Number of Performance Standards	Number of Performance Standards Tested	Percent Performance Standards Tested
<b>ELA</b>	161	99	61.50
<b>Math</b>	172	172	100.00
<b>Science</b>	125	117	93.60
<b>TOTAL</b>	458	388	84.80

## References

Georgia Department of Education <http://public.doe.k12.ga.us>  
Division of Curriculum and Instructional Services [http://public.doe.k12.ga.us/ci\\_services.aspx](http://public.doe.k12.ga.us/ci_services.aspx)  
Division of Testing [http://public.doe.k12.ga.us/ci\\_testing.aspx](http://public.doe.k12.ga.us/ci_testing.aspx)  
CRCT Testing [http://public.doe.k12.ga.us/ci\\_testing.aspx?PageReq=CI\\_TESTING\\_CRCT](http://public.doe.k12.ga.us/ci_testing.aspx?PageReq=CI_TESTING_CRCT)  
GHSGT [http://public.doe.k12.ga.us/ci\\_testing.aspx?PageReq=CI\\_TESTING\\_GHSGT](http://public.doe.k12.ga.us/ci_testing.aspx?PageReq=CI_TESTING_GHSGT)

**\*\*Curriculum Survey** in the preceding charts refers to the *International Center for Leadership Education's Survey of Essential Skills*, a forced-ranking by approximately 20,000 adults of the 100 proficiencies deemed most important for high school graduates in each of English, math, and science. Proficiencies ranked 1-35 in each subject were assigned a High (H) rating. Items ranked 36-7- were assigned a Medium (M) rating, and proficiencies ranked 71+ were assigned a Low (L) rating. A complete description of the *Survey of Essential Skill* is provided elsewhere in this resource kit.

