

Louisiana Curriculum Matrix Summary

The Louisiana Educational Assessment Program (LEAP) and the Graduation Exit Exam (GEE) are criterion-referenced tests that measure how well a student has mastered the content standards. The Louisiana Educational Assessment Program is administered at Grades 4 and 8. The GEE is initially administered at Grades 10 and 11.

The *Integrated* Louisiana Assessment Program (*iLEAP*) tests are administered in Grades 3, 5, 6, 7, and 9. The *iLEAP* tests contain norm-referenced test components combined with The Iowa Test items that align with grade-level expectations (GLE). The Iowa Test components make up the criterion-referenced part of the *iLEAP*. More detailed information on *iLEAP* and LEAP can be found at www.doe.state.la.us/saa/2273.html.

English Language Arts

The Louisiana content standards define what students should know and be able to do in English Language Arts to become lifelong learners and productive citizens. Louisiana GLEs are statements that define what students should know and be able to do at the end of a given grade level and further define the content standards and benchmarks.

Priority Designations

Information necessary to make priority designations relative to test data was obtained from the Louisiana Department of Education Web Site www.doe.state.la.us/lde/saa/2273.html. Assessment Guides for LEAP, *iLEAP* and GEE can be viewed at this site.

The assessment guides for LEAP reveal the number of score points allotted for each content standard. The assessment guides for *iLEAP* reveal the percent of possible score points for each content standard.

The same method was used to determine priority designations for LEAP, *iLEAP*, and GEE. The average (mean) numbers of score points (or percent of score points) for each standard/strand were calculated at each grade level/course. The standard deviation (STD) was returned and subtracted from the mean to establish the cut-off point between Medium (M) and High (H) designations. Table 1 below reveals the cut-off points that distinguish L, M, and H priority designations. A summary of ELA test designations are presented in Table 2 below.

Table 1: English Language Arts Priority Designation Data

	Mean	STD	Mean – STD	Designations		
				L = Low	M = Medium	H = High
Grade 3	16.5	12.5	4.0	0	1 - 4	>4
Grade 4	10.6	3.1	7.5	0	1 - 8	>8
Grade 5	16.5	13.8	2.7	0	1 - 3	>3
Grade 6	16.7	13.2	3.5	0	1 - 4	>4
Grade 7	16.7	13.3	3.4	0	1 - 3	>3
Grade 8	11.5	3.0	8.5	0	1 - 8	>8
Grade 9	16.7	10.5	5.2	0	1 - 5	>5
Grade 10	11.5	3.0	8.5	0	1 - 9	>9
Grade 11-12	11.5	3.0	8.5	0	1 - 9	>9

Table 2. English Language Arts Data Summary

	Standards	Grade Level Expectations	iLEAP/LEAP			NESS*		
English Language Arts			H	M	L	H 1-19	M 20-38	L 39+
Grade 3	7	52	35	0	17	39	11	2
Grade 4	7	50	27	10	13	38	11	1
Grade 5	7	48	32	3	13	34	14	0
Grade 6	7	48	31	3	14	34	14	0
Grade 7	7	46	32	0	14	35	10	1
Grade 8	7	45	24	7	14	32	13	0
English 9	7	43	21	13	9	27	15	1
English 10	7	46	19	17	10	26	19	1
English 11-12	7	41	15	15	11	32	8	1
Totals	63	419	236	68	115	297	115	7

Mathematics

The Louisiana content standards define what students should know and be able to do in Mathematics to become lifelong learners and productive citizens. Louisiana GLEs are statements that define what students should know and be able to do at the end of a given grade level and further define the content standards and benchmarks.

Priority Designations

Information necessary to make priority designations relative to test data was obtained from the Louisiana Department of Education Web Site www.doe.state.la.us/lde/saa/2273.html. Assessment Guides for LEAP, iLEAP and GEE can be viewed at this site.

The assessment guides for LEAP reveal the number of score points allotted for each content standard. The assessment guides for iLEAP reveal the percent of possible score points for each content standard.

The same method was used to determine priority designations for LEAP, iLEAP, and GEE. The average (mean) numbers of score points (or percent of score points) for each standard/strand were calculated at each grade level/course. The standard deviation (STD) was returned and subtracted from the mean to establish the cut-off point between Medium (M) and High (H) designations. Table 3 below reveals the cut-off points that distinguish L, M, and H priority designations. A summary of mathematics test designations are presented in Table 4 below.

Table 3: Mathematics Priority Designation Data

	Mean	STD	Mean – STD	Designations		
				L = Low	M = Medium	H = High
Grade 3	16.5	5.1	11.4	0	1 - 11	>11
Grade 4	16.7	10.6	6.1	0	1 - 6	>6
Grade 5	16.7	7.5	9.2	0	1 - 9	>9
Grade 6	16.7	5.6	11.1	0	1 - 11	>11
Grade 7	16.7	5.0	11.7	0	1 - 12	>12
Grade 8	16.7	3.5	13.2	0	1 - 13	>13
Grade 9	16.7	9.7	6.0	0	1 - 6	>6
Grade 10	16.7	3.5	13.2	0	1 - 13	>13
Grade 11-12	16.7	3.5	13.2	0	1 - 13	>13

Table 4. Mathematics Data Summary

	Strands	Grade Level Expectations	iLEAP/LEAP			NESS*		
	Mathematics		H	M	L	H 1-16	M 17-42	L 43+
Grade 3	6	47	38	5	4	33	13	1
Grade 4	6	44	38	5	1	30	14	0
Grade 5	6	33	31	1	1	23	8	2
Grade 6	6	38	37	0	1	28	10	0
Grade 7	6	41	38	3	0	29	12	0
Grade 8	6	48	47	0	1	29	15	4
Grade 9	6	40	29	4	7	21	15	4
Grade 10	6	27	19	8	0	12	14	1
Grade 11-12	6	29	24	3	2	7	15	7
Totals	54	347	301	29	17	212	116	19

Science

The Louisiana content standards define what students should know and be able to do in Science to become lifelong learners and productive citizens. Louisiana GLEs are statements that define what students should know and be able to do at the end of a given grade level and further define the content standards and benchmarks.

Priority Designations

Information necessary to make priority designations relative to test data was obtained from the Louisiana Department of Education Web Site www.doe.state.la.us/lde/saa/2273.html. Assessment Guides for LEAP, iLEAP and GEE can be viewed at this site.

The assessment guides for LEAP reveal the number of score points allotted for each content standard. The assessment guides for iLEAP reveal the percent of possible score points for each content standard.

The same method was used to determine priority designations for LEAP, iLEAP, and GEE. The average (mean) numbers of score points (or percent of score points) for each standard/strand were calculated at each grade level/course. The standard deviation (STD) was returned and subtracted from the mean to establish the cut-off point between Medium (M) and High (H) designations. Table 5 below reveals the priority designation cut-off points that distinguish L, M, and H priority designations. A summary of science test designations are presented in Table 6 below.

Table 5. Science Priority Designations

	Mean	STD	Mean – STD	Designations		
				L = Low	M = Medium	H = High
Grade 3	20.0	0.0	0.0	0	0	>0
Grade 4	11.6	1.1	10.5	0	1 - 11	>11
Grade 5	20.0	2.0	18.0	0	1 - 18	>18
Grade 6	33.3	10.6	22.7	0	1 - 23	>23
Grade 7	33.3	10.6	22.7	0	1 - 23	>23
Grade 8	11.6	1.1	10.5	0	1 - 11	>11
Grade 9	NOT TESTED					
Grade 10	11.6	2.0	8.6	0	1 - 9	>9
Grade 11-12	11.6	2.0	8.6	0	1 - 9	>9

Table 6. Science Data Summary

	Strands	Grade Level Expectations	iLEAP/LEAP			NESS*		
	Science		H	M	L	H 1-32	M 33-50	L 51+
Grade 3	5	62	58	0	4	49	5	8
Grade 4	5	72	22	50	0	47	11	14
Grade 5	5	91	71	4	16	69	9	13
Grade 6	5	87	65	6	16	63	14	10
Grade 7	5	83	63	8	12	71	7	5
Grade 8	5	93	40	53	0	55	14	24
Science 9-12	5	16	16	0	0	15	1	0
Physical Science	5	50	50	0	0	22	10	18
Biology	5	42	42	0	0	27	9	6
Chemistry	5	47	47	0	0	17	4	26
Earth Science	5	30	0	26	4	4	4	22
Environmental Science	5	28	0	27	1	26	0	2
Physics	5	35	35	0	0	10	11	14
Totals	70	736	509	174	53	475	99	162

**Louisiana Curriculum Matrix Summary Totals
For iLEAP, LEAP and GEE Tested Grade Levels
In English Language Arts, Mathematics and Science**

Table 8 below summarizes the data for English Language Arts, Mathematics, and Science assessed by the iLEAP, LEAP, and GEE. English Language Arts and Mathematics LEAP assessments occur in Grades 4, 8, and 10. iLEAP assessments are administered in Grades 3, 5, 6, 7, 10, and 11. One exception is science which is not tested in the ninth grade.

Table 7. Totals for iLEAP and LEAP/GEE Tested Grade Levels in English Language Arts, Mathematics and Science.

	Strands/ Standards	GLE	iLEAP/LEAP/GEE			NESS*		
			H	M	L	H	M	L
English Language Arts	63	419	236	68	115	297	115	7
Mathematics	54	347	301	29	17	212	116	19
Science	70	736	509	174	53	475	99	62
Grand Totals	187	1502	1046	271	185	984	330	88

**Louisiana Curriculum Matrix Summary
Total Percentage for iLEAP and LEAP/GEE Tested in
English Language Arts, Mathematics and Science**

Table 8 below presents the number of GLEs compared to the number of GLEs tested in iLEAP and LEAP/GEE programs.

Table 8. Total Percentage for iLEAP and LEAP/GEE Tested Grade Levels in English Language Arts, Mathematics, and Science.

	Number of GLEs	Number of GLEs Tested	Percent of Standards Tested
English LA	419	304	72.6%
Mathematics	347	330	93.1%
Science	736	683	93.1%
Total	1502	1317	88.1%

Information Sources

Louisiana Department of Education

www.doe.state.la.us/lde/index.html

Division of Standards, Assessment, and Accountability

www.doe.state.la.us/lde/saa/home.html

Louisiana Department of Education Instructional Resources

www.doe.state.la.us/lde/saa/2257.html

***The National Essential Skills Study** asked participants to identify what they believe are the 20 to 30 most important topics in English language arts, mathematics, science, and social studies. The topics compiled for each content area were adapted from national standards as identified by the National Council of Teachers of English, the National Council of Teachers of Mathematics, the National Research Council, the National Council for the Social Studies, and from various state standards. All topics were reviewed by teams of subject-specialist teachers. In all, 50 English language arts, 70 mathematics, 85 science, and 60 social studies topics were identified for incorporation in NESS.

