

Louisiana Curriculum Matrix Summary

Introduction

The Curriculum Matrix data in this resource kit is provided as a guide to help educators in planning curriculum and instruction. All interpretations of state standards, Common Core State Standards, and state assessment program data that were needed to construct the correlations in this Matrix were conducted by content area specialists in each discipline and reviewed by research managers. Where and if necessary, interpretations of the learning statements used in the correlations were verified by third-party reviewers and/or officials of the state's department of education. Every effort has been made to ensure the accuracy of the crosswalk and summary data. However, some learning outcome statements are, by their nature, subject to interpretation and determination of intent by content area specialists. Educators should always exercise their own best judgment in determining how to apply the data.

Care was taken to ensure that all data used in the analyses was current at the time of publication, but all standards and assessment data remain subject to updates as states revise or update their state standards or assessment programs. The International Center welcomes your feedback, advice, and suggestions about the data provided. The Center also eagerly encourages users to help us keep the data current for all educators in their state by advising us of any such updates. Please address all comments to: International Center for Leadership in Education, 1587 Route 146, Rexford, NY 12148 or info@LeaderEd.com.

Louisiana Assessment Program

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 in 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*.

English Language Arts

The Louisiana content standards define what students should know and be able to do in English language arts (ELA) 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 ELA assessment was obtained from the Louisiana Department of Education website. 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 average number of score points (or percent of score points) for each standard/strand was calculated at each grade level/course. Standard deviations (STD) were calculated for each grade level/course and subtracted from the mean. This number established the cut-off point between Medium (M) priority designations and High (H) priority designations. Benchmark references within content standards that were not tested were assigned a Low (L) priority designation. The results can be found in Table 1.

Table 1. English Language Arts Priority Designation Data

Grade	Mean	STD	Mean – STD	Designations		
				L = Low	M = Medium	H = High
3	13.75	2.64 ⁱ	11.11	0	1-11	>11
4	10.83	3.23 ¹	7.61	0	1-8	>8
5	10.20	4.74 ¹	5.46	0	1-5	>5
6	10.80	5.49 ¹	5.31	0	1-5	>5
7	10.60	4.83 ¹	5.75	0	1-6	>6
8	10.20	1.46 ¹	8.84	0	1-9	>9
9	8.50	5.08 ¹	3.42	0	1-3	>3
10	10.20	1.46 ¹	8.84	0	1-9	>9
11-12	10.20	1.46 ¹	8.84	0	1-9	>9

English Language Arts summary data are presented in Table 2.

Table 2. English Language Arts Assessment Data Summary

English Language Arts			NESS ⁱⁱ			iLEAP/LEAP/GEE		
Grade/Course	Standards	GLEs	H 1-19	M 20-38	L 39-50	H	M	L
3	7	52	39	11	2	30	5	17
4	7	50	38	11	1	28	9	13
5	7	48	33	15	0	32	3	13
6	7	48	33	15	0	31	3	14
7	7	46	34	11	1	29	3	14
8	7	46	32	13	1	25	8	13
English 9	7	43	25	17	1	25	5	13
English 10	7	46	26	19	1	20	16	10
English 11-12	7	41	30	8	3	17	14	10
Totals	63	420	290	120	10	237	66	117

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 mathematics assessment was obtained from the Louisiana Department of Education website. 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 average number of score points (or percent of score points) for each standard/strand was calculated at each grade level/course. Standard deviations (STD) were calculated for each grade level/course and subtracted from the mean. This number established the cut-off point between Medium (M) priority designations and High (H) priority designations. Benchmark references within content standards that were not tested were assigned a Low (L) priority designation. The results can be found in Table 3.

Table 3. Mathematics Priority Designation Data

Grade	Mean	STD	Mean – STD	Designations		
				L = Low	M = Medium	H = High
3	16.67	5.53	11.14	0	1 - 11	>11
4	16.67	11.43	5.24	0	1 - 5	>5
5	16.67	8.08	8.59	0	1 - 9	>9
6	16.67	6.02	10.65	0	1 - 11	>11
7	14.40	2.15	12.25 ¹	0	1 - 12	>12
8	16.67	10.48	6.18	0	1 - 6	>6
9	16.67	10.48	6.18	0	1 - 6	>6
10	16.67	3.73	12.94	0	1 - 13	>13
11-12	16.67	3.73	12.94	0	1 - 13	>13

Mathematics summary data is presented in Table 4.

Table 4. Mathematics Assessment Data Summary

Mathematics			NESS ²			iLEAP/LEAP/GEE		
	Strands	GLEs	H 1-16	M 17-42	L 43-70	H	M	L
3	6	47	33	13	1	36	5	6
4	6	44	30	14	0	38	5	1
5	6	33	23	8	2	31	1	1
6	6	38	28	10	0	37	0	1
7	6	41	29	12	0	38	3	0
8	6	48	30	14	4	47	0	1
9	6	40	21	15	4	30	0	10
10	6	27	13	13	1	20	4	3
11-12	6	29	7	15	7	23	2	4
Totals	54	347	214	114	19	300	20	27

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 science assessments was obtained from the Louisiana Department of Education website. 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 iLEAP percentages were converted to score points. The average number of score points for each standard/strand was calculated at each grade level/course. Standard deviations (STD) were calculated for each grade level/course and subtracted from the mean. This number established the cut-off point between Medium (M) priority designations and High (H) priority designations. Benchmark references within

content standards that were not tested were assigned a Low (L) priority designation. The results can be found in Table 5.

Table 5. Science Priority Designation Data

Grade	Mean	STD	Mean – STD	Designations		
				L = Low	M = Medium	H = High
3	8.00	0.00	0.00	0	0	>0
4	11.60	1.20	10.40	0	1 - 10	>10
5	9.22	1.01	8.21	0	1 - 8	>8
6	16.00	5.88	10.12	0	1-10	>10
7	16.00	5.88	10.12	0	1-10	>10
8	11.60	1.20	10.40	0	1 - 10	>10
11-12	11.60	2.00	8.60	0	1 - 9	>9

Science summary data is presented in Table 6.

Table 6. Science Assessment Data Summary

Science			NESS ²			iLEAP/LEAP/GEE		
Grade	Strands	GLEs	H 1-32	M 33-50	L 51-85	H	M	L
3	5	62	49	5	8	58	0	4
4	5	72	47	11	14	72	0	0
5	5	91	69	9	13	71	4	16
6	5	87	63	14	10	63	14	10
7	5	83	71	7	5	71	7	5
8	5	93	55	14	24	55	14	24
Science 9-12	5	16	15	1	0	15	1	0
Physical Science	5	50	22	10	18	22	10	18
Biology	5	42	27	9	6	27	9	6
Chemistry	5	47	17	4	26	17	4	26
Earth Science	5	30	4	4	22	4	4	22
Environmental Science	5	28	26	0	2	26	0	2
Physics	5	35	10	11	14	10	11	14
Totals	70	736	475	99	162	475	99	162

Totals for English Language Arts, Mathematics, and Science

Table 7 presents the number of GLEs compared to the number of GLEs tested. Using this data, the percentage of GLEs tested was calculated

Table 7. Totals and Percentages for English Language Arts, Mathematics, and Science

	Number of GLEs Tested	Number of GLEs	Percent of GLEs
English LA	420	413	98.34
Mathematics	347	328	94.93
Science	574	736	77.99
Total	1,341	1,477	90.80