

BENCHMARKS FOR MEASURING ACADEMIC RIGOR

It is important to track indicators that reflect the rigor with which LSMSA is engaging its students. These benchmarks have been developed with that in mind.

Page 1/ACT – ACT scores are a standard measurement of students' knowledge. This chart tracks the scores of Classes when they enter LSMSA and when they graduate, with a comparison of those sets of numbers. It also provides comparisons with "Sister Schools" that have responded to our request for ACT scores.

Page 2/ACT College Readiness – Using its own benchmark scores, ACT has established a measurement to determine the percentage of a graduating class prepared for collegiate work in English Composition, Algebra, Social Science, Biology, and all four subject areas. A state and national comparison is provided.

Page 3 and 4/First Time Freshman Report – The Louisiana Department of Education provides data on graduates from Louisiana high schools who enroll in Louisiana colleges and universities. The report is from the conclusion of the first year of college. Other high schools in Louisiana were selected from the report in order to offer a comparison. Page two of this benchmark includes factors that have been historically important for LSMSA, including the amount of merit-based scholarships.

Page 5/Curricular Choices and Course Loads – Beginning with the fall semester of this year, the percentage of students will be tracked for enrollment in the various departments. Additionally, the tracking includes students enrolled in more than six courses.

Louisiana School for Math, Science, and the Arts
 Benchmarks for Measuring Academic Rigor - ACT Scores



Blanks indicate the data is not available

ACT Scores

Scores as Entering LSMSA Students

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Avg
Composite		24.2		25.3	25.0	24.9	24.7	25.3	24.5	24.8	24.8
Reading					26.4	25.8	26.0	26.2	25.9	25.9	26.0
Math					24.0	23.4	22.7	23.4	22.6	23.0	23.2

Scores as Graduating LSMSA Students

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Avg
Composite	27.5	28.0	27.8	28.2	28.3	27.9	27.9	28.3	28.1	29.3	28.1
Reading			28.5	28.9	28.8	28.1	28.5	29.5	29.2	30.4	29.0
Math			26.9	27.7	28.1	27.1	27.1	27.5	27.4	29.1	27.6

Improvement in LSMSA Students' ACT Scores

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Avg
Composite		3.8		2.9	3.3	3.0	3.2	3.0	3.6	4.5	3.4
Reading					2.4	2.3	2.5	3.3	3.3	4.5	3.1
Math					4.1	3.7	4.4	4.1	4.8	6.1	4.5

ACT Composite Score Comparison

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Avg
Louisiana School M/S/A	27.5	28.0	27.8	28.2	28.3	27.9	27.9	28.3	28.1	29.3	28.1
Louisiana State Avg.	19.6	19.6	19.6	19.6	19.8	19.8	20.1	20.1	20.3	20.1	19.9
National Avg.	21.0	21.0	20.8	20.8	20.9	20.9	21.1	21.2	21.1	21.1	21.0

ACT Composite Score Comparison - National Sister Schools

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Avg
Alabama School M/S											
Arkansas School M/S/A								28.2	27.9	28.0	28.0
Illinois M/S Academy								30.7	30.3	30.3	30.4
Indiana Academy								28.0	28.0	29.0	28.3
Maine School M/S								26.4	24.4	26.6	25.8
Mississippi School M/S						28.3	27.7	27.4	28.0	27.3	27.7
North Carolina School M/S								31.0	31.0	30.0	30.7
Oklahoma School M/S	32.1	31.8	31.5	31.7	31.1	31.4	31.7	31.7	32.4	32.3	31.8
South Carolina M/S								31.0	31.0	31.0	31.0
Louisiana School M/S/A	27.5	28.0	27.8	28.2	28.3	27.9	27.9	28.3	28.1	29.3	28.1

Louisiana School for Math, Science, and the Arts
 Benchmarks for Measuring Academic Rigor - ACT Report



ACT College Readiness (% of graduates ready for college work)

English Composition

	2002	2003	2004	2005	2006	2007	2008	2009	Avg
LSMSA	99	100	100	100	99	100	100	100	100
Louisiana	64	64	64	64	67	67	69	67	66
Nation	67	67	69	68	69	69	69	67	68

Algebra

	2002	2003	2004	2005	2006	2007	2008	2009	Avg
LSMSA	90	94	93	93	94	90	91	96	93
Louisiana	26	26	28	28	29	30	31	30	29
Nation	39	40	40	41	42	43	31	42	40

Social Science

	2002	2003	2004	2005	2006	2007	2008	2009	Avg
LSMSA	94	94	96	92	91	96	94	97	94
Louisiana	42	42	41	41	44	43	45	44	43
Nation	53	52	52	51	53	53	43	53	51

Biology

	2002	2003	2004	2005	2006	2007	2008	2009	Avg
LSMSA	74	72	78	79	75	78	74	87	77
Louisiana	17	17	18	18	18	19	20	20	18
Nation	27	27	27	26	27	28	20	28	26

All Four Subjects

	2002	2003	2004	2005	2006	2007	2008	2009	Avg
LSMSA	69	70	76	74	70	71	69	85	73
Louisiana	12	12	13	13	14	14	14	15	13
Nation	20	20	21	21	21	23	14	23	20

Louisiana School for Math, Science, and the Arts
 Benchmarks for Measuring Academic Rigor - Collegiate Information



First Time Freshman Report

*Data from DOE for high school graduates enrolled in LA Universities

Percentage of Graduates In Remedial Courses

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009 Avg
LSMSA	1	2	1	1	1	0	0	0	0	0.7
Ben Franklin	2	0	4	1	3	0	0	0	0	1.1
Baton Rouge Magnet	7	9	10	9	7	5	2	3	7	6.6
Caddo Magnet	8	6	6	9	9	6	11	7	6	7.6
Jesuit (New Orleans)	9	5	3	6	4	1	1	1	no report	3.8
Lafayette High	23	24	20	16	19	15	16	15	15	18.1
Pineville High	34	30	29	34	27	12	26	16	19	25.2
Denham Springs High	25	19	18	18	18	23	20	19	16	19.6
Mandeville High	20	22	10	22	10	10	12	17	14	15.2
Lusher Charter (New Orleans)			no report						15	15.0
Louisiana State Avg.	37	36	36	33	29	25	26	26	28	30.7

Percentage Completing Freshman Year In Good Standing

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009 Avg
LSMSA	98	96	99	97	100	98	99	98	97	98.0
Ben Franklin	99	97	93	100	96	96	90	94	93	95.3
Baton Rouge Magnet	95	96	94	96	98	94	96	96	95	95.6
Caddo Magnet	89	97	94	99	96	96	90	93	97	94.6
Jesuit (New Orleans)	94	94	91	98	95	96	95	97	no report	95.0
Lafayette High	92	93	95	90	93	89	93	92	92	92.1
Pineville High	95	94	94	89	92	85	86	93	91	91.0
Denham Springs High	85	91	95	92	90	83	84	84	86	87.8
Mandeville High	92	90	88	90	89	90	90	93	90	90.2
Lusher Charter (New Orleans)			no report						77	77.0
Louisiana State Avg.	88	89	90	90	88	87	86	88	88	88.2

Percentage Of Graduates Enrolling in a Louisiana College or University

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009 Avg
LSMSA	55	65	60	61	67	58	57	67	64	61.6
Ben Franklin	45	38	47	45	47	25	56	55	44	44.7
Baton Rouge Magnet	76	7	78	77	80	83	75	77	72	69.4
Caddo Magnet	62	67	55	61	64	56	62	66	72	62.8
Jesuit (New Orleans)	47	52	58	60	61	52	60	64	no report	56.8
Lafayette High	57	53	58	68	64	61	59	63	63	60.7
Pineville High	55	54	61	62	56	60	56	59	60	58.1
Denham Springs High	56	51	53	58	62	59	54	57	55	56.1
Mandeville High	57	57	57	59	61	56	61	60	64	59.1
Lusher Charter (New Orleans)			no report						37	37.0
Louisiana State Avg.	45	44	46	50	51	45	51	51	47	47.8

