

Florida and Massachusetts Standards and Assessment

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Why are we partnering with Massachusetts?

- Historically Massachusetts has been the top state on student performance national and international assessments
- **Fordham's** 2006 ranking of Massachusetts standards: "A" in all content areas

TIMSS (Trends in International Mathematics and Science Study) – 4th and 8th grade mathematics proficiency assessment

Grade	Massachusetts	Florida	Nation	World
4 th	572 (B)	535 (C+)	529 (C+)	Hong Kong 607 (B+)
8 th	547 (B-)	500 (C)	508 (C)	Chinese Taipei 598 (B+)

Top Ten State Performance on NAEP

4 th Math 2007	8 th Math 2007	8 th Science 2005	4 th Reading 2007	8 th Reading 2007	8 th Writing 2007
Mass. 252	Mass. 298	N. Dakota 163	Mass. 236	Mass. 273	New Jersey 175
New Jersey 249	Minnesota 292	Montana 162	New Jersey 231	Vermont 273	Conn. 172
New Hampshire 249	N. Dakota 292	Vermont 162	DoDEA 229	DoDEA 273	Mass. 167
Kansas 248	Vermont 291	New Hampshire 162	New Hampshire 229	Montana 271	DoDEA 165
Minnesota 247	Kansas 290	S. Dakota 161	Vermont 228	New Jersey 270	Vermont 162
Vermont 246	New Jersey 289	Mass. 161	Conn. 227	Maine 270	Maine 161
N. Dakota 245	S. Dakota 288	DoDEA 160	Virginia 227	New Hampshire 270	Colorado 161
Indiana 245	Virginia 288	Wyoming 159	Montana 227	S. Dakota 270	New Hampshire 160
Ohio 245	New Hampshire 288	Minnesota 158	Penn. 226	Minnesota 268	Illinois 160
Wisconsin	Montana	Wisconsin	N. Dakota	N. Dakota	Penn.
Florida 239 (22 nd)	Florida 280 (37 th)	Florida 150 (28 th)	Florida 224 (21 st)	Florida 260 (35 th)	Florida 158 (14 th)

States' Profiles

(IES 2006-2007)

Florida

Student Characteristics

Number enrolled: **2,671,513**
Percent in Title I schools: **64.1%**
With Individualized Education Programs (IEP): **14.9%**
Percent in limited-English proficiency programs: **8.8%**
Percent eligible for free/reduced lunch: **45.2%**

Racial/Ethnic Background

White: **48.4%**
Black: **23.9%**
Hispanic: **25.0%**
Asian/Pacific Islander: **2.4%**
American Indian/Alaskan Native: **0.3%**

School/District Characteristics

Number of school districts: **67**
Number of schools: **4,009**
Number of charter schools: **375**
Per-pupil expenditures: **\$8,555**
Pupil/teacher ratio: **16.4**
Number of FTE teachers: **162,851**

Massachusetts

Student Characteristics

Number enrolled: **968,661**
Percent in Title I schools: **50.3%**
With Individualized Education Programs (IEP): **16.5%**
Percent in limited-English proficiency programs: **5.6%**
Percent eligible for free/reduced lunch: **28.9%**

Racial/Ethnic Background

White: **72.9%**
Black: **8.4%**
Hispanic: **13.6%**
Asian/Pacific Islander: **4.9%**
American Indian/Alaskan Native: **0.3%**

School/District Characteristics

Number of school districts: **356**
Number of schools: **1,879**
Number of charter schools: **59**
Per-pupil expenditures: **\$12,813**
Pupil/teacher ratio: **13.2**
Number of FTE teachers: **73,15**

Current Status of the States' Standards

- Massachusetts is currently revising its Mathematics, Language Arts, and Science standards. The drafts have not been made available for comment.
- Florida has adopted new Next Generation Sunshine State Standards in (all post NAEP and TIMSS assessment data):
 - Mathematics (2007)
 - Science (2008)
 - Social Studies (2009)
 - Physical Education (2009)
 - Health (2009)
- Florida has completed a draft of new Next Generation Sunshine State Standards in Language Arts. The proposal is to delay the adoption of these standards after a review of the National Common Core to determine agreement and alignment.
- Florida's 2009 adopted Social Studies, Physical Education, or Health standards have not been rated in a national rating.

States' Assessments (F = Florida, M= Massachusetts)

Grade	Reading	Writing	Language Arts	Mathematics	Science	Science and Technology
3	F M			F M		
4	F	F	M	F M		
5	F		M	F M	F	M
6	F		M	F M		
7	F		M	F M		
8	F	F	M	F M	F	M
9	F					
10	F	F	M	F M		M
11					F	

Massachusetts High School Assessments and Requirements

- In addition to passing the 10th grade comprehensive English and Mathematics tests, students in the class of 2010 must pass one of the four science **EOC** tests (biology, chemistry, introductory physics, and technology/engineering) and students in the class of 2012 must pass the U.S. History **EOC** to graduate. The English and math Mathematics tests are used for NCLB.
- Participating in American Diploma Project Algebra II **EOC**

Academic Standards Ratings – Quality Counts 2008

Standards are clear, specific, and grounded in content at all levels	Florida	Massachusetts
English/Language Arts	ES MS	No
Mathematics	ES MS HS	ES MS
Science	Old Standards MS	HS
Social Studies	Old Standards No	ES MS HS
Revision Schedule	Yes	Yes

ES = Elementary School

MS = Middle School

HS = High School

Academic Standards Ratings – *American Federation of Teachers (AFT) 2008*

Which standards met <i>AFT's</i> criteria for clarity, specificity, and content?	Florida	Massachusetts
English/Language Arts	ES MS	No
Mathematics	ES MS HS	ES MS
Science	Old Standards MS	HS
Social Studies	Old Standards No	ES MS HS

ES = Elementary School

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Recently Released Rating of State Science Standards

“Why Science Standards are Important to a Strong Science Curriculum and How States Measure Up”

Authors: Louise S. Mead & Anton Mates

Published online: **7 August 2009**

Springer Science + Business Media, LLC 2009

- “Over the past decade, Florida has improved its standards more dramatically than perhaps any other state... the Florida Department of Education’s writing committee developed a vastly superior set of standards in 2007.”
- “Florida’s current standards score a solid A.” – Greatly Improved
- Massachusetts – B

Note. Fordham criteria from 2006 rankings were used

States' Initial Comments on Draft National Common Core *College and Career Ready Standards*

Reading, Writing, and Communications –

- informational reading, writing, speaking and listening play a primary role, while literary reading and writing play a secondary role
- Standards address grades 3 and 10
- fewer topics, hence more focus

Mathematics

- both states agree the draft mathematics standards are strong and head the nation on the right direction.
- address Algebra I, Geometry, and a substantial portion of Algebra II
- represent a good balance of skills based and conceptual knowledge

ADP's Alignment of Florida's, Massachusetts, and Draft National Common Core

<u>Draft</u> National Common Core College and Career Ready Standards	Florida	Massachusetts
<i>Reading, Writing, and Communication</i> 39 Standards	34 or 87%	33 or 85%
<i>Mathematics</i> 91 Standards	81 or 89%	81 or 89%

- Reading, Writing, and Communication – Massachusetts has a strong focus on literature; neither state includes on-demand writing; Massachusetts defines complexity, quality, and range of text through a reading list ; Florida defines these same attributes through standards and a reading list
- Mathematics – Massachusetts specifies use of technology more frequently; Florida stronger in probability and statistics (might be due to content compared)

Proposed Timeline for Statewide Adoption of Next Generation Sunshine State Standards Aligned to National Common Core

- September 2009 – Second Draft of National Common Core *College and Career Ready Standards* for review
- December 2009 – Final Draft of National Common Core
- January 2010 – Florida stakeholders prepare Draft Next Generation Common Core K-12 Language Arts and Mathematics Sunshine State Standards; aligning Florida standards with Common Core
- February-April 2010 – Public and Expert review of Draft
- May 2010 – Preparation of Final Draft for Adoption by the SBE
- June 2010 – Presentation of Florida's Next Generation Common Core K-12 Language Arts and Mathematics Sunshine State Standards for Adoption