

PreK-12 Policy Committee

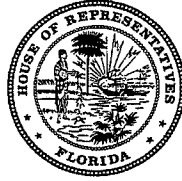
Wednesday, February 4, 2009

9:30 a.m.

404 House Office Building

Larry Cretul
Speaker pro tempore

John Legg
Chair



The Florida House of Representatives

Education Policy Council


PreK-12 Policy Committee

Larry Cretul
Speaker pro tempore

John Legg
Chair

Meeting Agenda
Wednesday, February 4, 2009
9:30 a.m.
404 House Office Building

- I. Call to Order**
- II. Roll Call**
- III. Introductions**
- IV. Comments by the Chair**
- V. Presentations by Florida Department of Education**
- VI. Closing Comments/Adjournment**



Florida's K-12 Education: The Next Generation

**Presented by:
Dr. Frances Haithcock,
Chancellor**

**Florida Department of Education
Dr. Eric J. Smith,
Commissioner**

Florida's Foundation for Success

The Sunshine State Shines Nationally...

Education Week 2009 Quality Counts:

- Ranked Florida's education system **top 10** in the nation.
- Highest Quality Counts grade to date is a B-, which surpasses the national average of a C.
- In 2008, ranking leaped from 31st in the nation to 14th, and now 10th.

U.S. News and World Report:

- **Seven** Florida schools in the Top 100 High Schools in the nation.

Florida's Foundation for Success

Quality Counts in Florida and it's producing National Results!

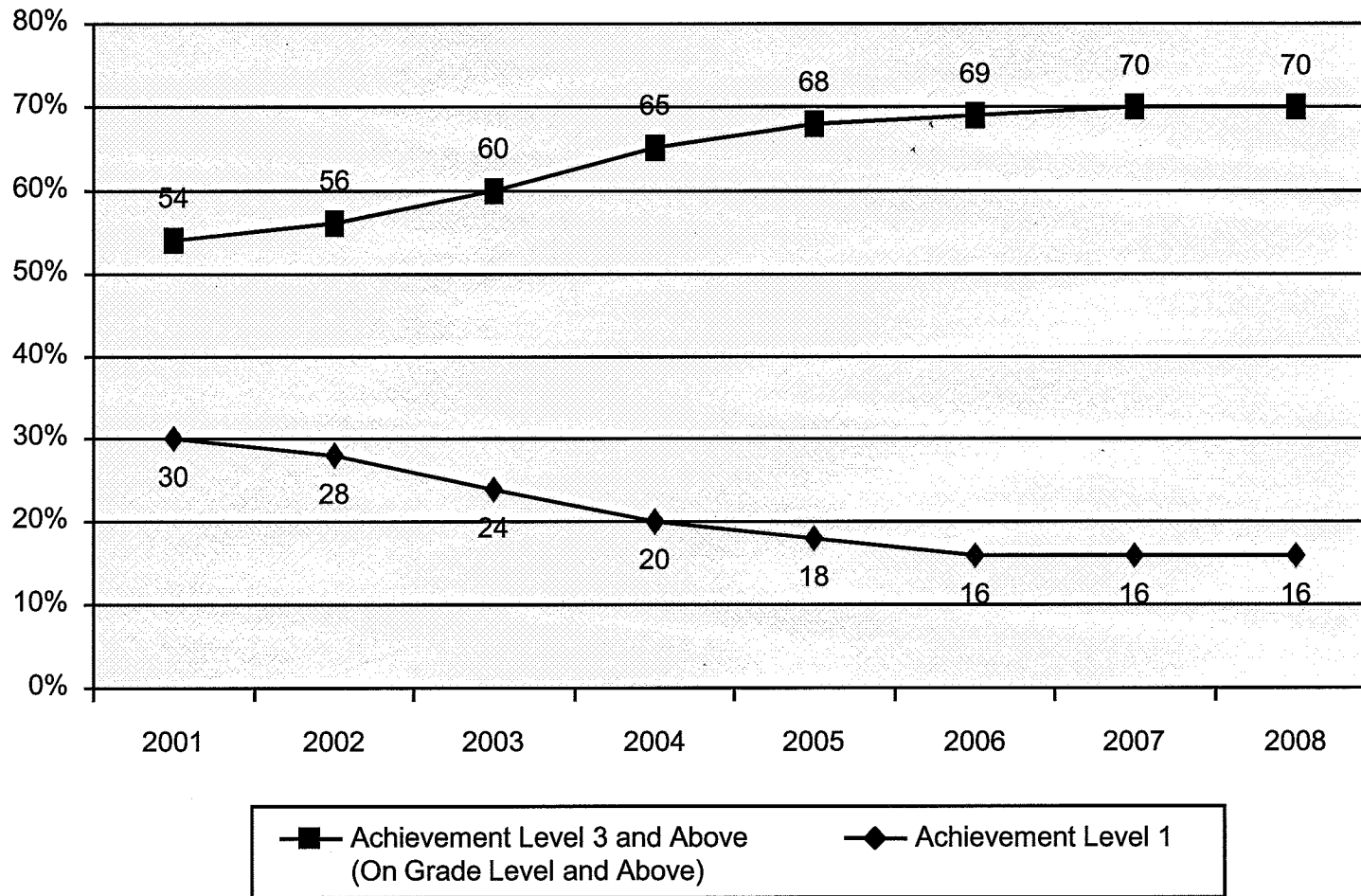
Advanced Placement (AP)

- **Florida** had the greatest one-year increase in the number of public school AP Exam Takers and the greatest increase in the number of exams administered in the nation in 2008.
- **"Number 1"** in the number of **African-American** students taking and **passing AP exams**.
- **Six** Florida public schools are recognized in the 2008 AP Report to the Nation as having the best AP Courses in the nation. (More than any other state.)

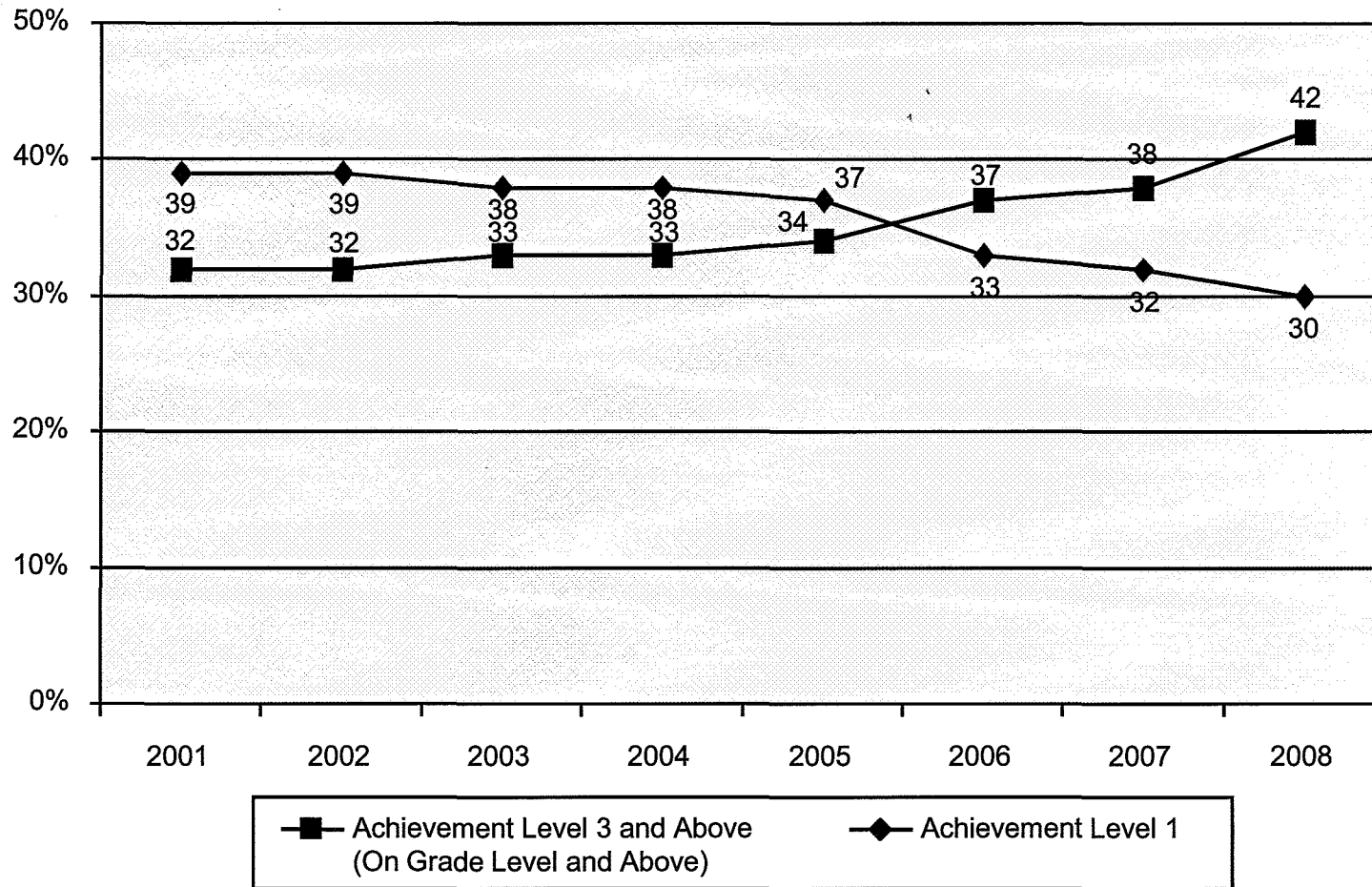
National Assessment of Educational Progress (NAEP)

- Florida is one of only four states in the nation to **improve significantly** in both fourth and eighth-grade **NAEP reading**.
- Florida is one of only five states that showed a significant narrowing of the White/African American **achievement gap** in fourth-grade **NAEP reading**, and one of only seven states to do the same in eighth-grade **NAEP math**.

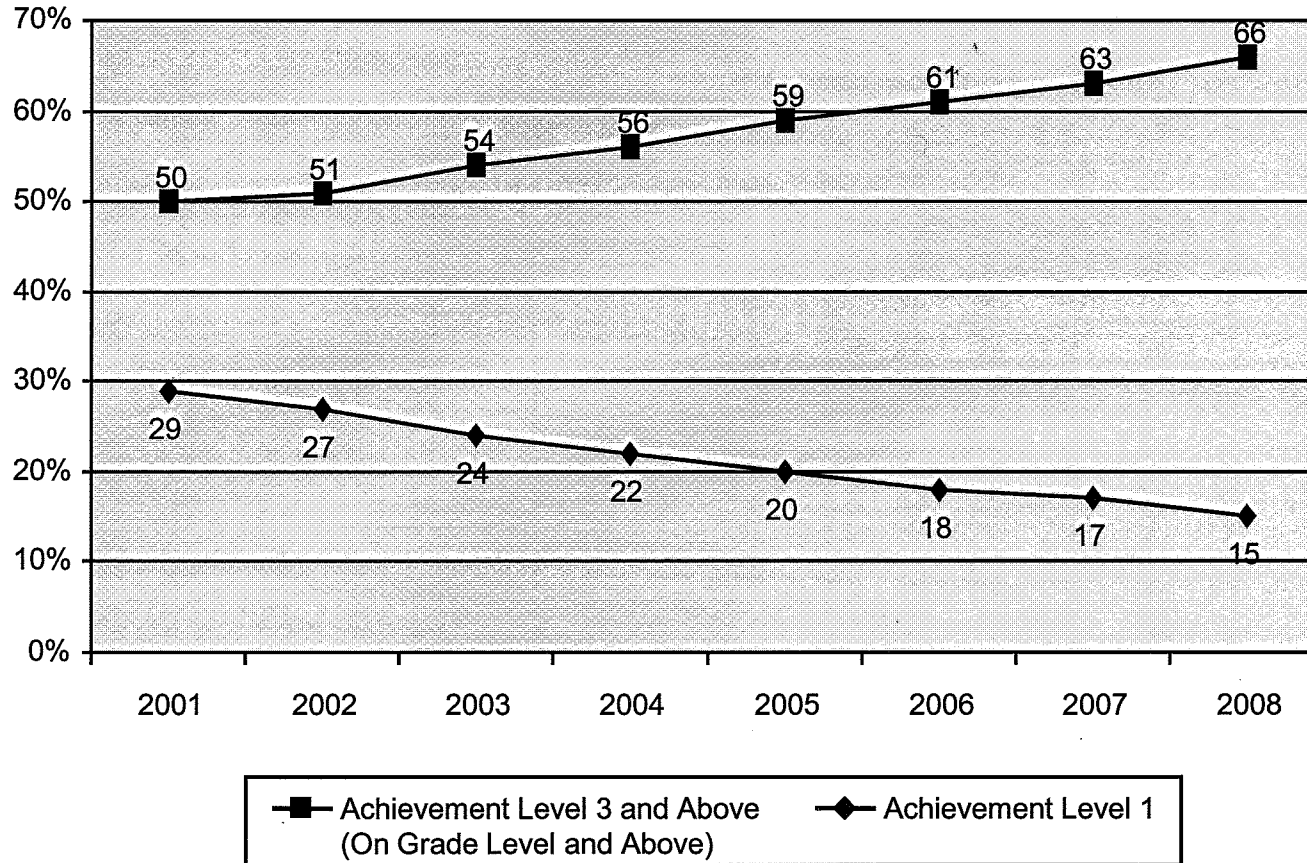
FCAT Reading by Achievement Level Grades 3, 4, and 5

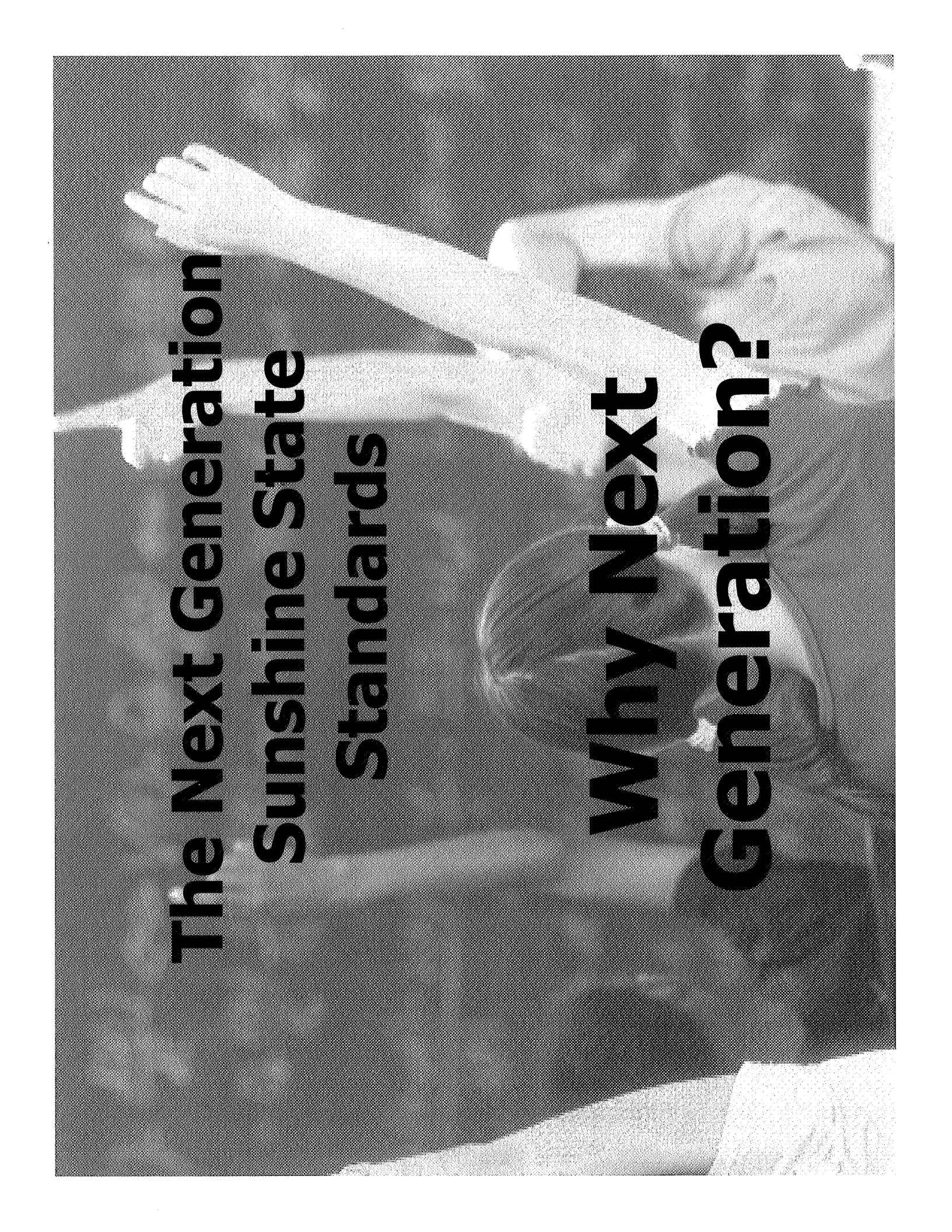


FCAT Reading by Achievement Level Grades 9 and 10



FCAT Mathematics by Achievement Level Grades 3-10





The Next Generation Sunshine State Standards

Why Next Generation?

Too Many Students Graduate from High School Unprepared for College and Work

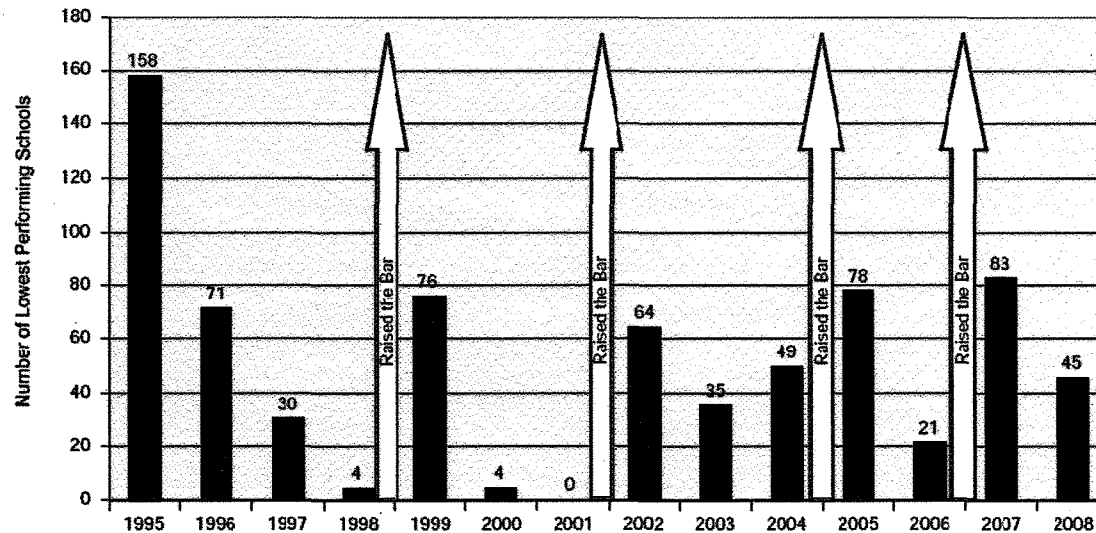
- **30%** of first year students in postsecondary education are required to take **remedial courses** (cost = \$130 million per year).
- 40% - 45% of recent high school **graduates report significant gaps** in their skills, both in college and the workplace.
- **Faculty estimate 42% unprepared** of first year students in credit-bearing courses.
- Employers estimate 45% lack skills.
- ACT estimates only half of college-bound students are ready for college-level reading.
- ***Quality Counts* rates college readiness low.**

An Expectations Gap: We don't *expect* high school graduates to be prepared

- Academic **standards were not aligned with postsecondary success.**
- **Graduation requirements** too low.
- **Assessments** not meaningfully connected with students' college or career aspirations.
- Florida High Schools are held **accountable** for student performance on **10th grade FCAT**, not postsecondary success.
- **RESULT: Students can earn a high school diploma without the skills necessary for success in college and high-skills, high-wage work.**

The Next Generation Raising the Bar

Raising Standards and Higher Accountability Lead to Improved Student Performance



[1] Lowest performing schools are defined as schools graded "F".

The Next Generation Initiatives: “Close Preparation and Expectation Gap”

- 1. Next Generation Sunshine State Standards**
- 2. Effective Teacher/Instruction**
- 3. Bright Beginners Reading/Math - VPK-3rd grade**
- 4. Next Generation High School**
 - ✓ Creating a High School Diploma that counts
- 5. Alignment, Alignment, Alignment**
 - ✓ College and/or high-skills, high-wage careers
 - ✓ Zero remediation

The Next Generation

Three Main Concepts

I. ACCESS - To rigor

II. ARTICULATION / ALIGNMENT - To college and high-skills, high-wage work

III. ACCOUNTABILITY - For college and career readiness

The Next Generation

I. Access — Why?

- 11 districts have 0-1% of their students participating in AP courses.
- 21 districts have 1-9% of their students participating in AP courses.
- Dual enrollment is flat for last several years.
- College credit earned in high school increases the likelihood of graduation.
- Industry-driven career curriculum supports state's economic development.

The Next Generation

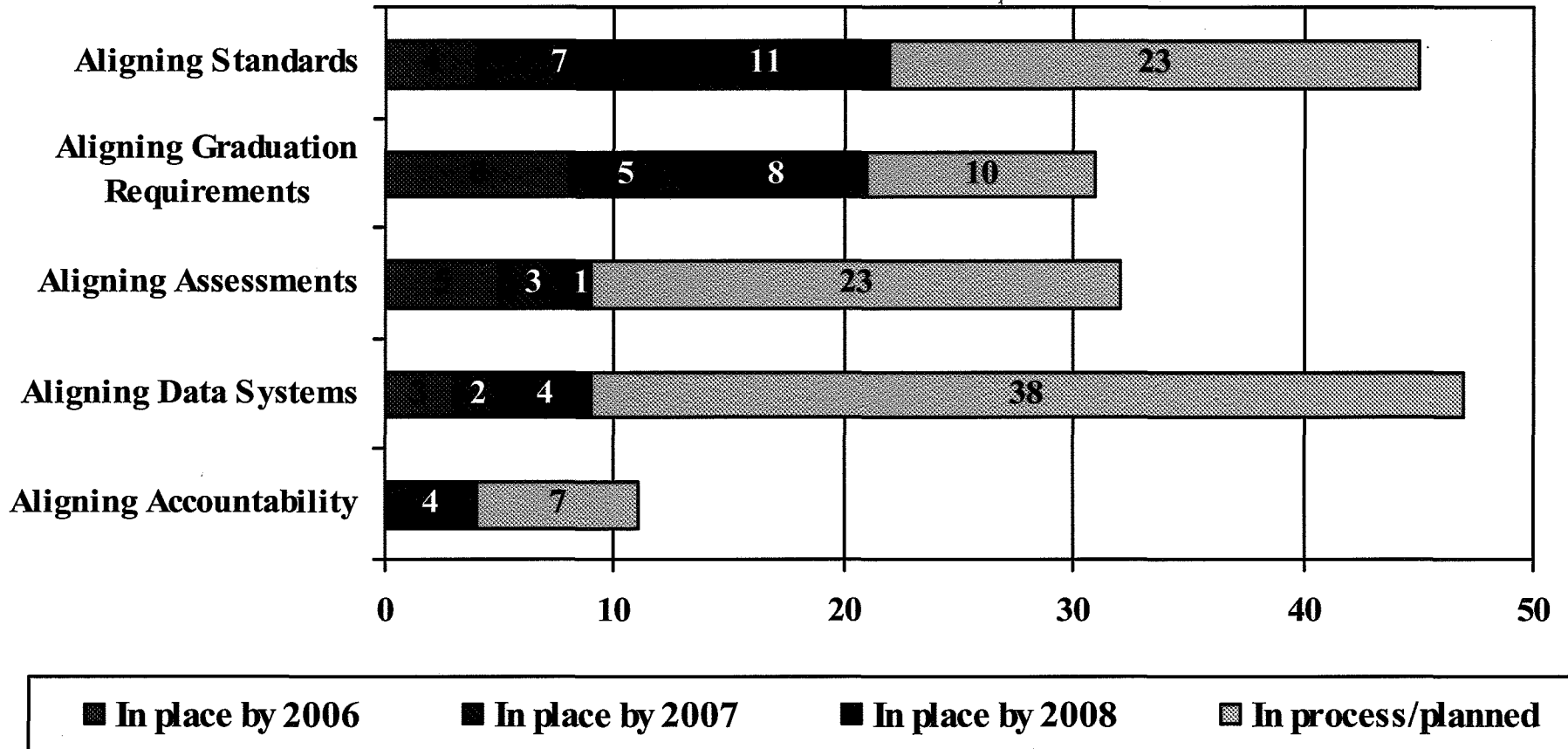
I. Access — How?

- **Increased access to rigor PARTICIPATION** and improve student success in AP, IB, AICE, Dual Enrollment courses.

- **PREVENT REMEDIATION** - add a diagnostic test and remediation course while in high school.

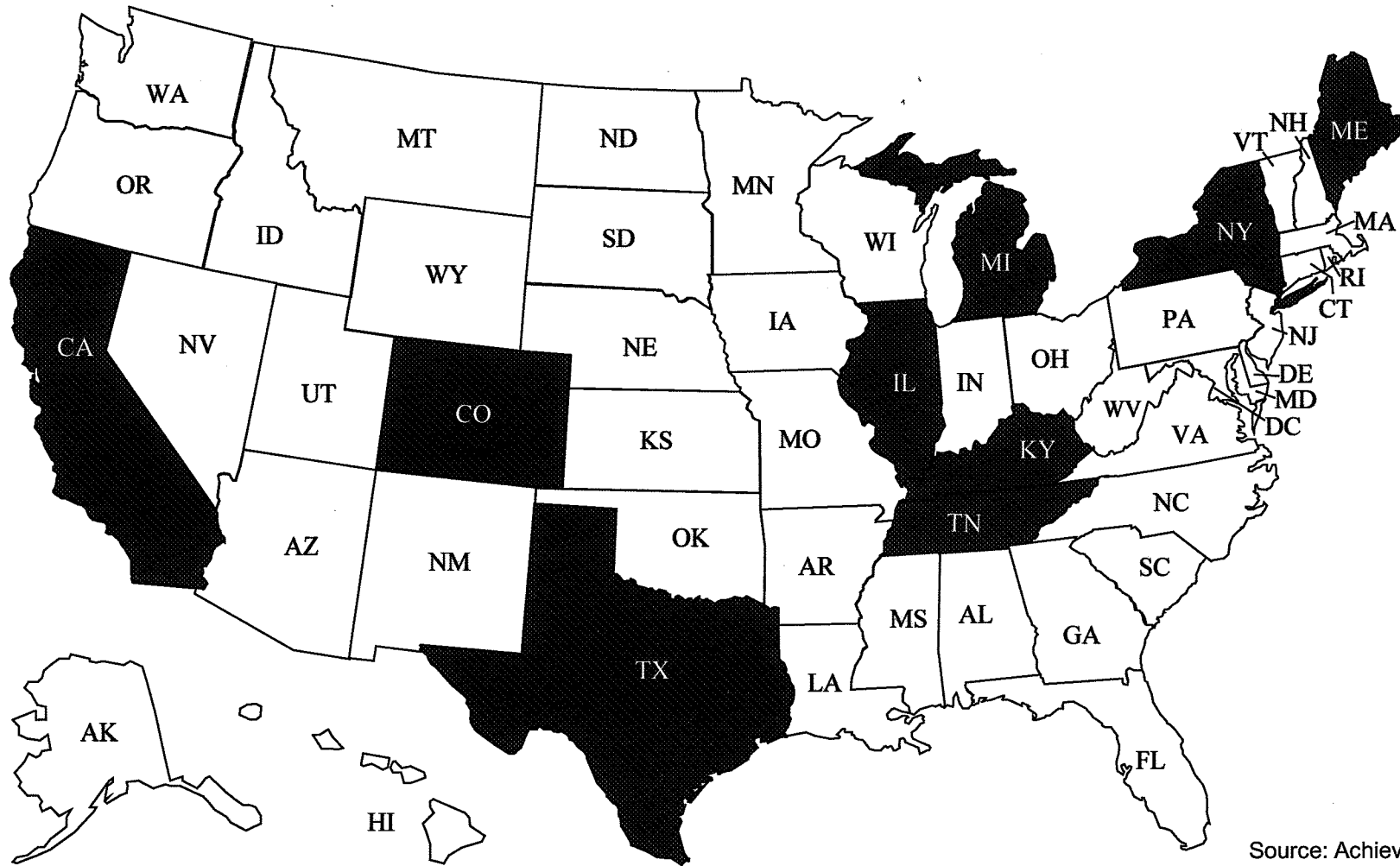
- **AMERICAN DIPLOMA PROJECT**
 - ✓ Standards
 - ✓ Alignment
 - ✓ Accountability
 - ✓ Communication/Advocacy

A Growing Number of States Have Policies that Help Prepare Graduates for College and Careers



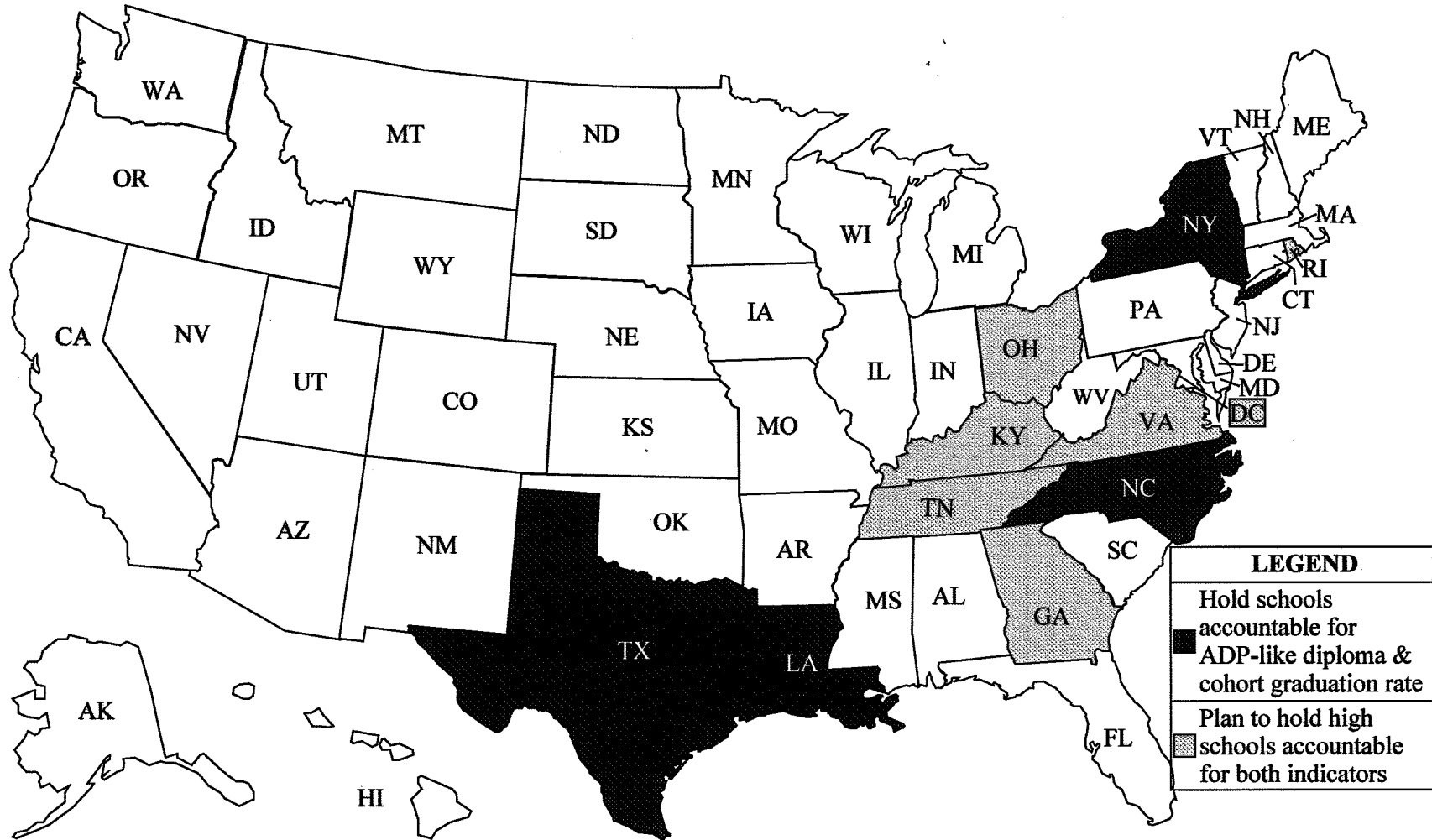
Source: Achieve, Inc.

Nine States Have Now Built College- and Career-Ready Measures into Statewide Assessments



Source: Achieve, Inc.

Few States Hold High Schools Accountable for College and Career Readiness



The Next Generation

II. Articulation / Alignment — How?

- **“NEXT GENERATION” STANDARDS**
- **RAISE GRADUATION REQUIREMENTS**
- Define **“COLLEGE AND CAREER READINESS”**
- **END-OF-COURSE EXAMS**

Next Generation High School End-of-Course Assessments – Why?

- Improves overall accountability
- Informs classroom instruction and professional development
- Identifies content mastery clearly and consistently statewide
- Increases academic rigor in curriculum
- Improves alignment between state standards and curriculum
- Improves alignment between high school and college and workforce readiness
- Potentially used for college placement and financial aid

Next Generation High School End-of-Course Assessments – What?

- **Algebra I**
- **Algebra II**
- **Geometry**
- **Biology**
- **Chemistry**
- **Earth/Space**
- **Physics**
- **English/Language Arts II**
- **U.S. History**
- **Civics**
- **World History**

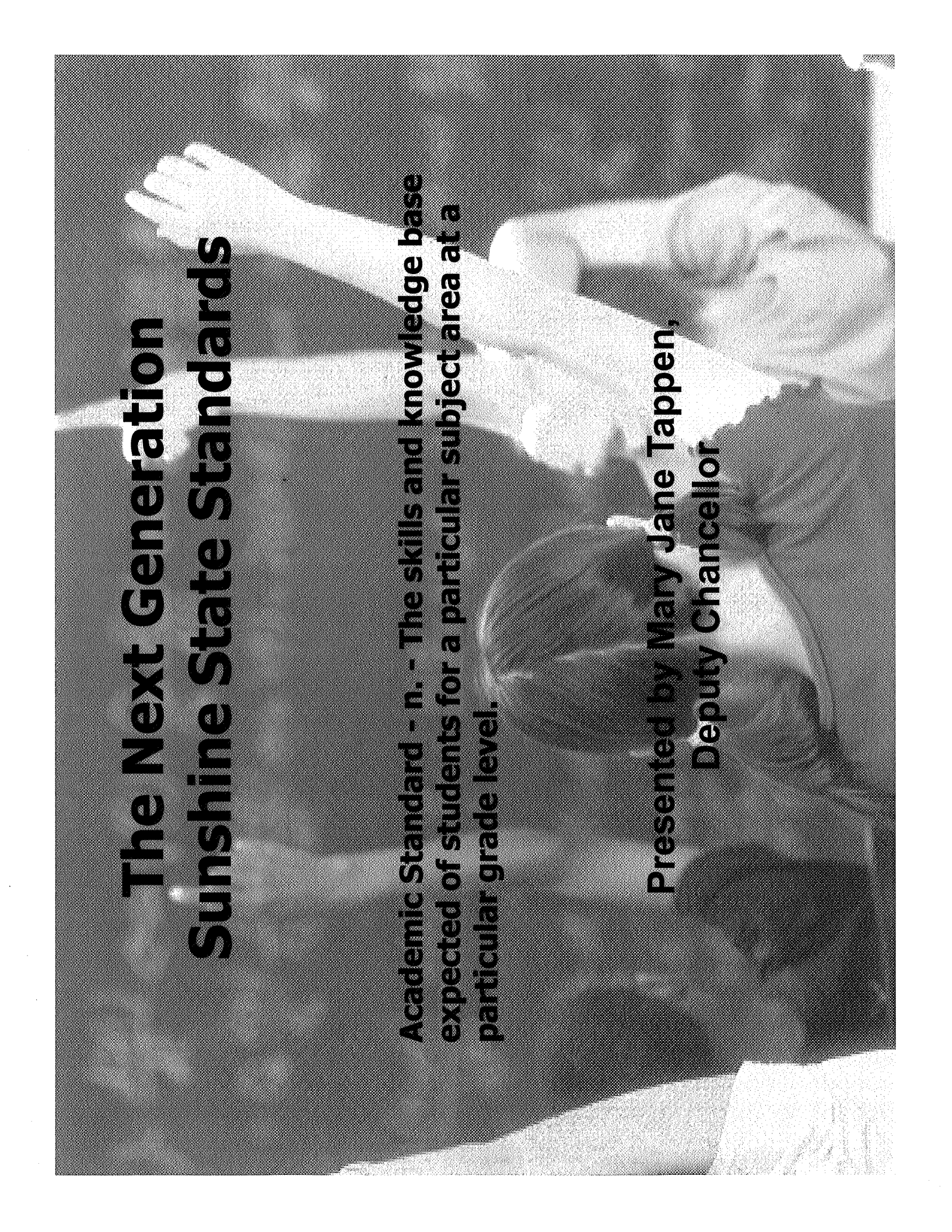
The Next Generation

III. Accountability — How?

Change how we grade high schools:

- 50% from FCAT Scores

- 50%:
 - ✓ High School Graduation Rate
 - ✓ Acceleration Course Participation and Performance
 - ✓ Readiness Rates
 - ✓ At-Risk Student Graduation Rate

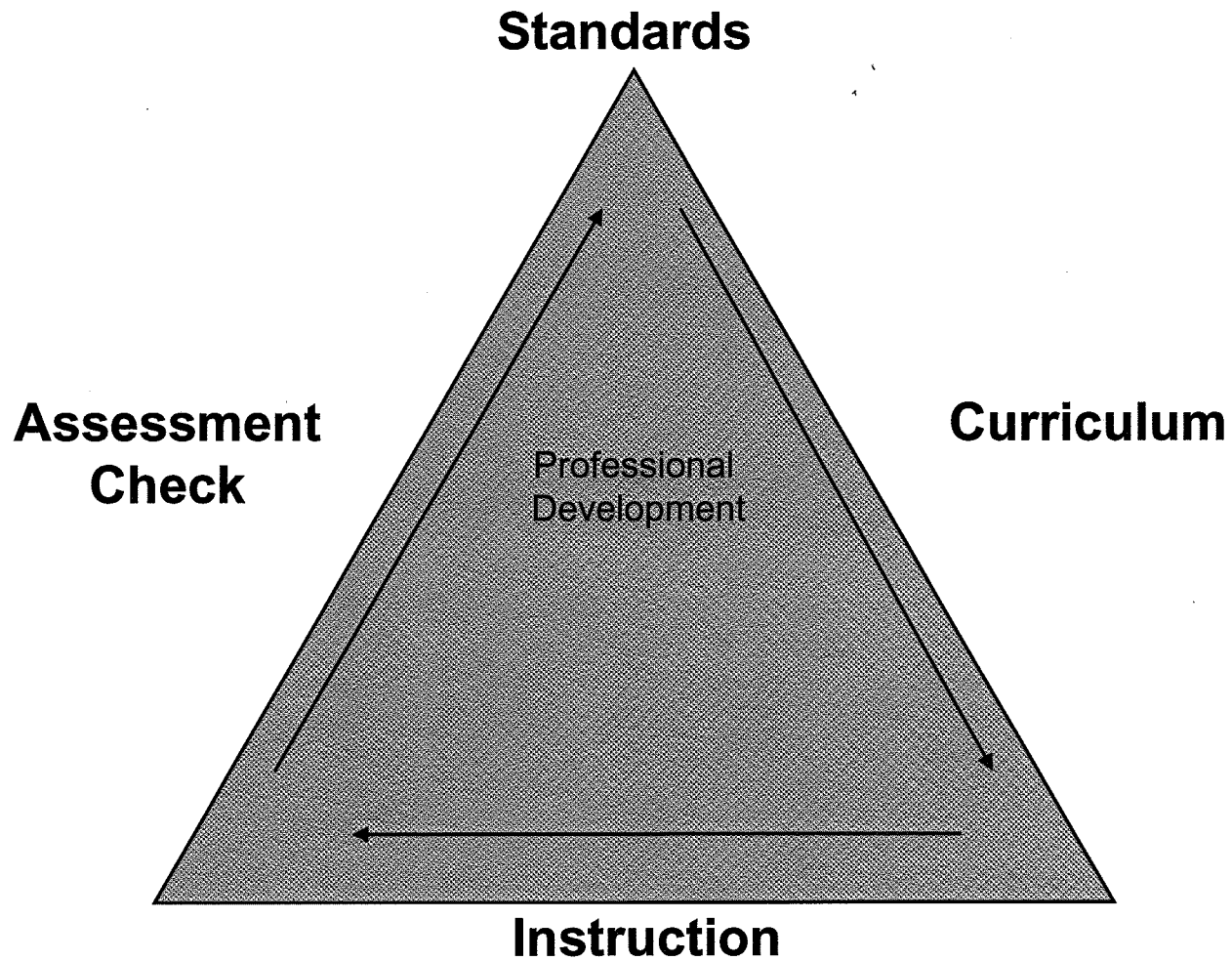


The Next Generation Sunshine State Standards

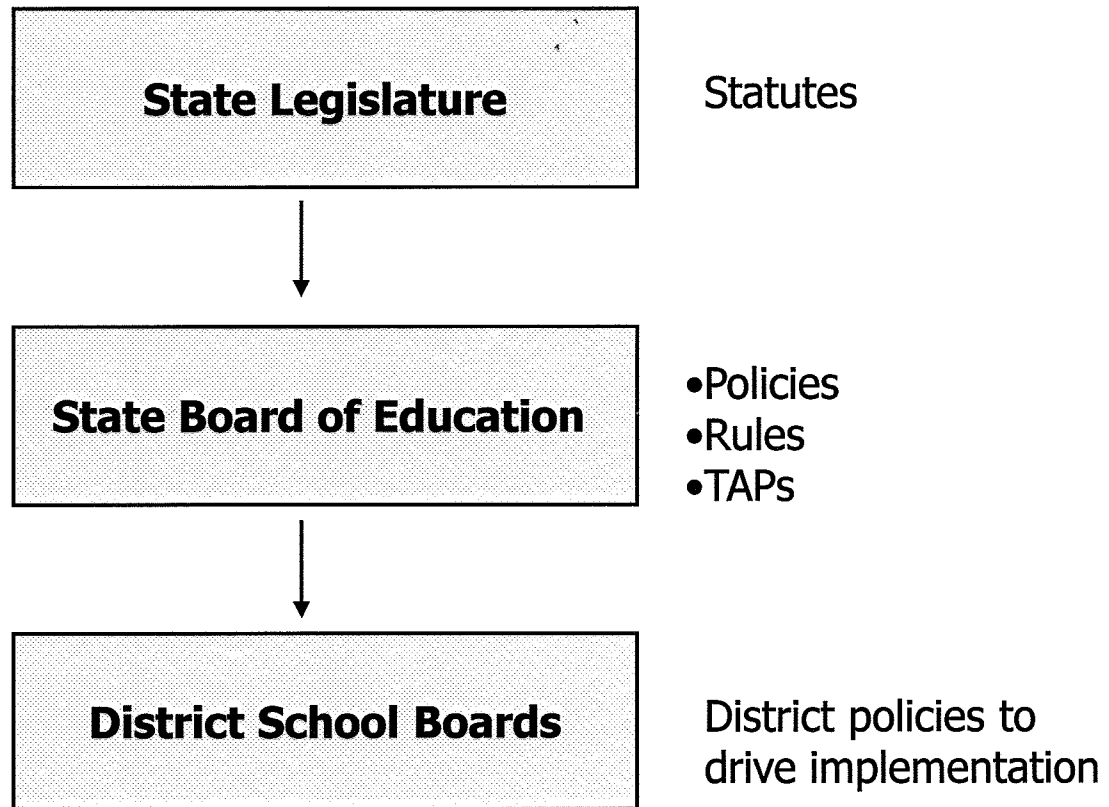
Academic Standard - n. - The skills and knowledge base expected of students for a particular subject area at a particular grade level.

**Presented by Mary Jane Tappen,
Deputy Chancellor**

Next Generation Sunshine State Standards Student Achievement



Next Generation Sunshine State Standards Legislative and Policy Authority



Next Generation Sunshine State Standards

State Statutes

1001.03 Specific powers of State Board of Education—

- (1) PUBLIC K-12 CURRICULAR STANDARDS.--The State Board of Education shall adopt and periodically review and revise the Sunshine State Standards in accordance with s. 1003.41, F.S..
(First standards adopted in 1996.)

1003.41 Sunshine State Standards—

- (1) Public K-12 educational instruction in Florida is based on the "Sunshine State Standards." The State Board of Education shall review the Sunshine State Standards and replace them with the Next Generation Sunshine State Standards that establish the core content of the curricula to be taught in this state and that specify the core content knowledge and skills that K-12 public school students are expected to acquire.

Next Generation Sunshine State Standards State Board Policy and Rules

6A-1.09401 Student Performance Standards-

- (1) Standards to benchmark student achievement serve as guides to best practices for local curriculum designers to help schools implement school improvement strategies to raise student achievement.

Next Generation Sunshine State Standards District Policy

1001.41 General powers of district school board—

- (3) Prescribe and adopt standards and policies to provide each student the opportunity to receive a complete education program, including language arts, mathematics, science, social studies, health, physical education, foreign languages, and the arts, as defined by the Sunshine State Standards.

1003.42 Required instruction—

- (1) Each district school board shall provide all courses required for middle grades promotion, high school graduation, and appropriate instruction designed to ensure that students meet State Board of Education adopted standards in the following subject areas: reading and other language arts, mathematics, science, social studies, foreign languages, health and physical education, and the arts.

Next Generation Sunshine State Standards Status and Timeline (Proposed 12/2/08)

Subject Area	CURRICULUM ALIGNMENT			INSTRUCTIONAL MATERIALS				PROFESSIONAL DEVELOPMENT				ASSESSMENT			TEACHER CERTIFICATION	
	Public Input for Draft Standards	State Board of Education Approved	Adopt course descriptions	Vendor Instructional Materials Alignment	State Instructional Materials Adoption Process	Contract years for Instructional Materials - District Purchase	Classroom implementation of aligned Instructional Materials	Develop research-based practices for new standards	Lead trainers	Teacher training	Full implementation of new standards	Assessment realignment started	Fieldtest	New generation of tests first given	Educator Preparation Programs	Florida Teacher Certification Exam
Reading	February 2008	January 2007	June 2008	2007-2008	2007-08	2008-14	2008-09	2007-09	2007-08	2008-09	2008-09	January 2007	March 2010	April 2011	2007-08	Fall 2008
Math	February 2007	September 2007	February 2008	2008-2009	2009-10	2010-16	2010-11	2007-10	2008-10	2008-11	2010-11	March 2007	March 2010	April 2011	2008-09	Fall 2009
Science	October 2007	February 2008	June 2008	2009-2010	2010-11	2011-17	2011-12	2008-10	2008-11	2008-12	2011-12	October 2007	April 2011	April 2012	2008-09	Fall 2009
Social Studies	June 2008	October December 2008	February 2009	2010-2011	2011-12	2012-18	2012-13	2009-10	2010-12	2011-13	2013-13				2008-09	Fall 2009
Physical Education	June 2008	October December 2008	February 2009	2010-2011	2011-12	2012-18	2012-13	2009-10	2009-10	2009-11	2012-13				2009-10	Fall 2011
Health	June 2008	October December 2008	February 2009	2010-2011	2011-12	2012-18	2012-13	2009-12	2009-12	2010-13	2012-13				2009-10	Fall 2011
				2007-2008	2008-09	2009-15	2009-10								2007-08	Fall 2008
World Languages	June 2009	October 2009	February 2010	2011-2012	2012-13	2013-19	2013-14	2010-13	2010-13	2011-13	2013-14				2009-10	Fall 2011
Performing Arts	June 2010	October 2010	February 2011	2012-2013	2013-14	2014-20	2014-15	2011-14	2011-14	2012-14	2014-15				2014-15	Fall 2016

Next Generation Sunshine State Standards “What’s Different?”

- Specific Process for development
- Rigor
- Specific to content/grade level
- Aligned to National Assessment of Educational Progress (NAEP) and international benchmarks
- ADP Certified and additional expert reviews
- Aligned to post secondary standards
- Transition to new next generation FCAT (FCAT-2)

Next Generation Sunshine State Standards Must Haves:

1. Establish the core curricular content for:

- Language Arts
- Science
- Mathematics
- Social studies
- Visual & Performing Arts
- Health
- Physical Education
- Foreign languages

2. Be rigorous and relevant

3. Provide for the logical, sequential progression of core curricular content that incrementally increases knowledge and skills over time

Next Generation Sunshine State Standards Must Haves

4. Integrate the following skills in:

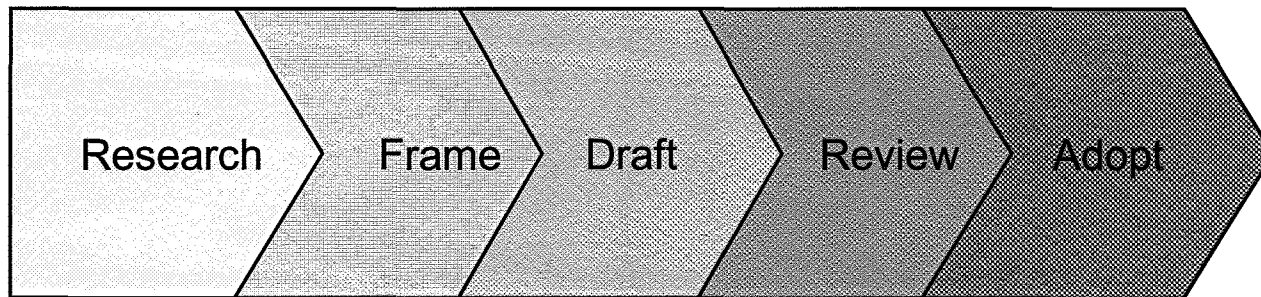
- critical-thinking
- problem-solving
- communication
- reading
- writing
- mathematics
- collaboration
- Contextual
- applied-learning
- technology-literacy
- information and media-literacy
- civic-engagement

5. Be organized according to a uniform structure and format consistent for each subject

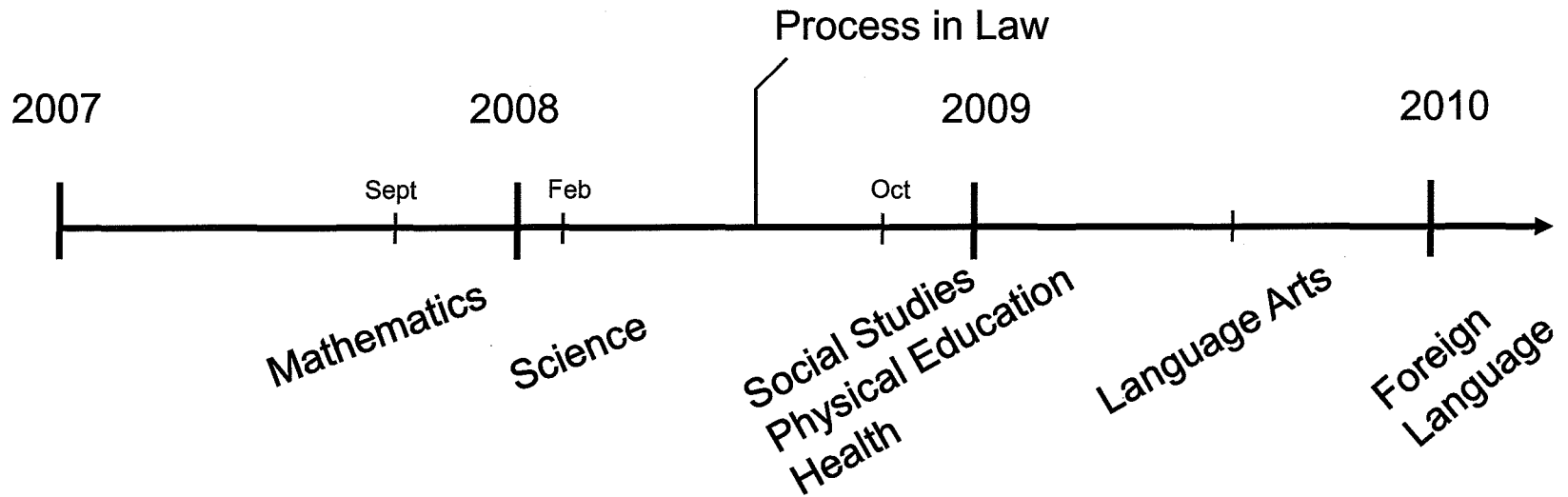
6. Be aligned to expectations for success in postsecondary education and high-skill, high-wage employment

Next Generation Sunshine State Standards Development Process

Standards Development Process



Next Generation Sunshine State Standards Adoption Timeline



Next Generation Sunshine State Standards Mathematics – Nationally Led Change

Grade Level	Number of <u>Old</u> Benchmarks	Number of <u>New</u> Benchmarks
K	67	11
1 st	78	14
2 nd	84	21
3 rd	88	17
4 th	89	21
5 th	77	23
6 th	78	19
7 th	89	22
8 th	93	19

Next Generation Sunshine State Standards New to Standards

- Progression of content, Pre-K - Post-secondary.
- Secondary standards specific to content for **all** high school courses:
 - Trigonometry
 - Calculus
 - Geometry
 - Chemistry
 - Physics
 - American History
 - Humanities,
 - Economics, etc.

Next Generation Sunshine State Standards

Research: Social Studies

- Based on the framework used for national assessment as part of the National Assessment for Education Process (NAEP)
- Initial draft from highly-rated states including:
 - ✓ Massachusetts, New York, California, Arizona and Indiana
- Expert review from Albert Shanker Institute and James Madison Institute

Next Generation Sunshine State Standards Public and Expert Review: Social Studies

- Online reviewers provided 123,122 ratings of 931 draft standards and benchmarks. Of these reviewers, 5,146 interested persons completed the visitor profile, and 2,347 were K – 12 Social Studies educators.
- Expert reviewers included university professors, content experts (including African American History and Holocaust History), Fordham Institute, and National Council for Social Studies.

Next Generation Sunshine State Standards

Organization: Social Studies

- The Standards are organized into six content strands:
 1. American History (A)
 2. Geography (G)
 3. American Government / Civics (C)
 4. Economics (E)
 5. World History (W)
 6. Humanities (H)

Next Generation Sunshine State Standards

Grade-level Focus: Social Studies

K-12 Character Education

K: Integrated
1st: Integrated
2nd: Integrated
3rd: Integrated
4th: Florida History
5th: American History
6th - 8th: Geography
6th: World History /
Ancient Civilizations

7th: Civics/U.S. Government
8th: Integrated
9th – 12th: American History
World History
Economics
Humanities
American Government
Civics
Geography

Next Generation Sunshine State Standards Implementation: Year One

1. Adopt research-based standards
2. If applicable, analyze new standards and current test items to identify needed development of new items and future deletion of current items
3. Build and adopt new course descriptions
4. Request vendors to align current instructional materials to new standards
5. Write instructional materials specifications
6. Identify professional development resources and processes

Next Generation Sunshine State Standards Implementation: Year Two

1. Districts align curriculum to new standards and implement new course descriptions
2. If applicable, include pilot items aligned to the new standards into assessment
3. Implement instructional materials adoption process
4. Align Educator Preparation Programs and Florida Teacher Certification Exams to new standards
5. Implement professional development process

Next Generation Sunshine State Standards Implementation: Year Three

1. Fully align classroom instruction to new standards
2. If applicable, include field test items aligned to the new standards in assessment
3. District's adopt instructional materials
4. Continue implementation of professional development

Next Generation Sunshine State Standards Implementation: Completion

Alignment of:

- College- and career-readiness, curriculum, instruction, student assessment, professional development, teacher certification programs and exams, and statewide assessment.

Next Generation Sunshine State Standards

Final Step: FCAT Transition

Benchmark MA.4.A.4.2

Reporting Category: Algebra

Standard: Supporting Idea Algebra

Benchmark: **MA.4.A.4.2 Describe mathematics relationships using expressions, equations, and visual representation.**

Item Type: At Grade 4, this benchmark will be assessed using MC and GR items.

Benchmark Clarification:

- ✓ Students will translate a written description or a graphic to an expression or equation, or translate an expression or equation to a written or graphic description to solve a real-world problem.
- ✓ Students will identify a missing number or element in a numeric or graphic relationship.
- ✓ Students will describe or generalize the rule of a visual relationship using an expression, equation or description of the graphic.

Next Generation Sunshine State Standards

FCAT Transition - MA.4.A.4.2 Describe mathematics relationships using expressions, equations and visual representation.

Benchmark MA.4.A.4.2 (continued)

Content Limits:

- ✓ Items must use rules or relationships that involve only one operation or a one-step function.
- ✓ A relationship must be defined in words, or at least three examples of the relationship must be provided.
- ✓ Relationships involving multiplication or division are limited to the multiplication facts of 0 x 0 through 12 x 12 and the related division facts.
- ✓ Items include only one variable.

Stimulus Attributes: Items may be set in a real-world or mathematical context.

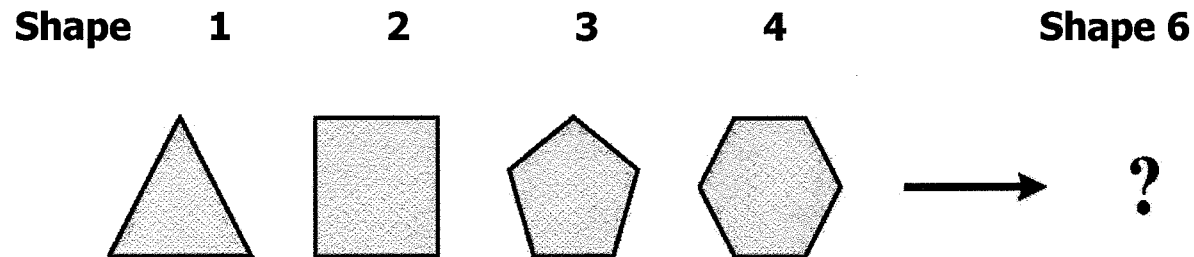
Prior Knowledge: Items may require the student to apply mathematical knowledge described in the Standards from lower grades. The benchmark requires prerequisite knowledge from MA.2.A.4.1-MA.2.A.4.4 and MA.3.A.4.1.

FCAT Transition - MA.4.A.4.2 Describe mathematics relationships using expressions, equations, and visual representation.

.....
Grade 4: MA.4.A.4.2

Sample Item 28 MC


Several Shapes are shown below



There is a relationship between the number of the shape and the number of sides that each shape has. If this same pattern continues, which expression below can be used to find the number of sides of Shape 6?

- A. $6 + 1$
- ★ B. $6 + 2$
- C. 6×1
- D. 6×2

Item Context: Mathematics

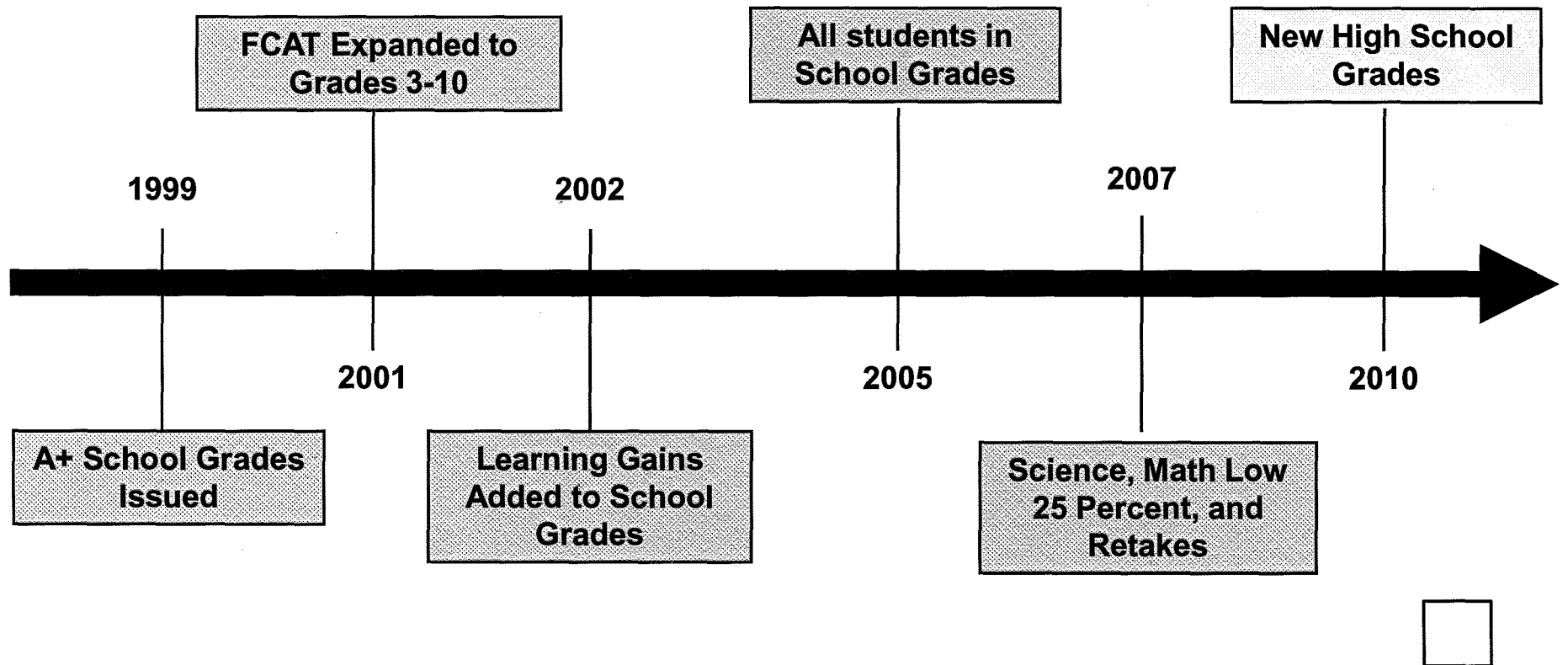


School Grades and School Recognition

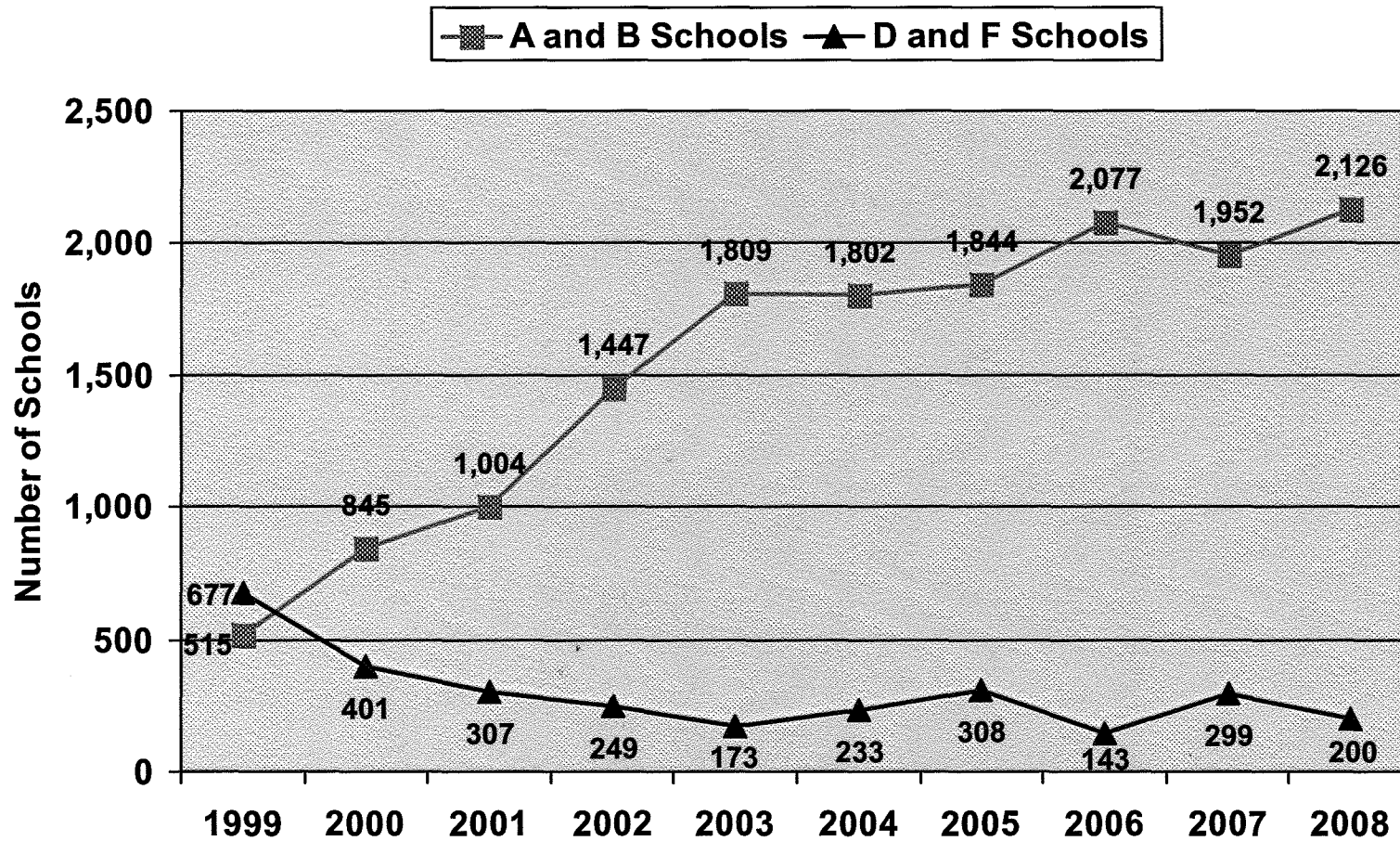
Presented by:

Juan Copa, Bureau Chief

School Grades Timeline



School Grades 1999-2008



School Grades Criteria

- Must have at least 30 students enrolled all year.
- Must have FCAT scores in reading and math for the current and prior year.
- New schools also graded, if they meet the criteria described above.
 - ✓ They may have served enough students with prior-year FCAT scores (received while at other schools).

School Grades

Current School Grades Calculation

Base Calculation:

- 50% based on FCAT Performance.
- 50% based on FCAT Learning Gains.
- 8 components measured.
- 800 maximum points (1% = 1 point).
- Bonus points for FCAT Retakes in 11th and 12th Grades.

Additional Factors:

- Percent of eligible students tested.
- Adequate progress of lowest performing students (lowest 25%).

School Grades Component Definitions

Component	Definition
Performance	Percent of students scoring at or above grade level. <ul style="list-style-type: none"> • Reading, Math and Science = Levels 3 or higher. • Writing = 3.5 or higher.
Learning Gains	<ul style="list-style-type: none"> • Improves one or more levels, e.g., from 1 to 2, etc.. • Maintains achievement levels of 3 and above. <u>Non-retained students at levels 1 and 2:</u> <ul style="list-style-type: none"> • Shows more than one year's growth of FCAT Developmental Scale Score.
Percent Tested	<ul style="list-style-type: none"> • "A" - the school must have tested at least 95% of their eligible students. • All other grades - the schools must have tested at least 90% of their eligible students.
Adequate Progress	<ul style="list-style-type: none"> • At least half show learning gains in Reading and Math. • If not met, then school's grade is <u>lowered one letter grade</u>.

School Grades

Current School Grades Base Calculation

READING	MATH	WRITING	SCIENCE
Performance 100 Possible Pts.	Performance 100 Possible Pts.	Performance 100 Possible Pts.	Performance 100 Possible Pts.
Learning Gains 100 Possible Pts.	Learning Gains 100 Possible Pts.	Points: 400 for Performance <u>400 for Learning Gains</u> 800 = Possible Points	
Learning Gains of Lowest 25% 100 Possible Pts.	Learning Gains of Lowest 25% 100 Possible Pts.		
Bonus Points for Retakes (11 th & 12 th grade)		Possible Bonus Pts. = 10	

School Grades

Equivalency of Letter School Grades

- Schools graded A, B, C, D or F
 - ✓ A = ≥ 525 points
 - ✓ B = 495 – 524 points
 - ✓ C = 435 – 494 points
 - ✓ D = 395 – 434 points
 - ✓ F = < 395 points

School Grades

Sample School Grade Calculation

- 99% of a school's eligible students took the FCAT.
- 63% of students scored at Level 3 or higher on Reading.
- 59% scored at Level 3 or higher on Math.
- 74% scored at Level 3 or higher in Science.
- 65% scored at Level 3.5 or higher in Writing.
- 66% had learning gains in Reading.
- 68% of students had learning gains in Mathematics.
- 50% of the lowest performing students showed gains in Reading.
- 50% of the lowest performing students showed gains in Math.

School Grades

Sample School Grade Report

	READING	MATH	WRITING	SCIENCE	POINTS
Performance	63	59	65	74	261
Learning Gains	66	68			134
Learning Gains of the Lowest 25%	50	50			100
Retakes	N/A				0
Total Points					495

Additional factors applied AFTER a school's points are calculated:

- Was Adequate Progress of the Lowest 25% Met in Reading? YES Math? YES
- Was the Percent Testing Requirement Met? YES

SCHOOL GRADE = "B"

School Grades

Changes to High School Grading for 2009-10

- Senate Bill 1908 amended s. 1008.34, F.S., to provide additional criteria for designating school grades for high schools.

- Beginning in 2009-10:
 - ✓ 50% based on the existing FCAT-related components.
 - ✓ 50% based on new non-FCAT related components.

School Grades

New Components for High School (2009-10)

- Graduation rate.
- Graduation rate of at-risk students.
- Performance in AP, IB, Dual Enrollment, AICE and industry-certification (as valid data become available).
- Participation in AP, IB, Dual Enrollment, AICE and industry-certification (as valid data become available).
- Postsecondary readiness - measured by performance on the SAT, ACT or common placement test.
- Performance on statewide standardized end-of-course assessments (when available).
- Growth or decline in the data components from year to year.

School Grades

New High School Grading Schema

READING	MATH	WRITING	SCIENCE	Graduation	Acceleration	Readiness
Performance	Performance	Performance	Performance	Overall	Participation	Performance In Math
Learning Gains	Learning Gains			At-Risk	Performance	Performance in Reading
Learning Gains Lowest 25%	Learning Gains Lowest 25%			Growth/Decline in data components from year to year		

School Grades

Implementation of New Grading for High Schools

Task	Time Frame
Develop Models	Completed
Vet Models With External Stakeholders	On-going
Hold Regional Rule Development Workshops	~ May 2009
Rule Adopted	~ July 2009
Release New School Grades for High Schools	Fall 2010

School Recognition (s. 1008.36, F.S.)

- Provides financial awards to public schools that:
 - ✓ Earn a School Grade of "A"
 - ✓ Improve at least one letter grade over the prior year; or
 - ✓ Improve by more than one letter grade and sustain that improvement the following year.
- 1,960 earned school recognition funds last year.
- School staff and school advisory council jointly decide how to use the award.
- Per statute, a school must use their awards for one or any combination of the following:
 - ✓ Non-recurring faculty and staff bonuses.
 - ✓ Non-recurring expenditures for educational equipment and materials.
 - ✓ Temporary personnel to assist in maintaining or improving student performance.

Questions?

