

Arizona's A-F Accountability Profiles

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- Evaluation & Measurement - Kent State University, Kent Ohio (M.Ed. & PhD)
- Past work experience:
 - Arizona Director of the NAEP Program – *5 years*
 - Research Associate with Kent State University – *4 years*
 - Faculty Professional Development Center
 - Bureau of Research Training and Services

Purpose

- Provide an overview of the new A-F Accountability Profiles
 - Senate Bill 1286
 - Description of components in profile
 - General Description of Calculations
 - Anticipated additions for the 2011-2012 school year

Senate Bill 1286

A-F Accountability: Grades K-8

Measures from SB 1286 to include at the School, LEA, and State levels:

- Percent of students who met or exceeded on the AIMS
- Student Performance on AIMS
- Student mobility adjustments
- Distribution of achievement at each school and LEA
- Longitudinal indicators
- ELL test results

Senate Bill 1286

A-F Accountability: Grades 9-12

Measures from SB 1286 to include at the School, LEA, and State levels:

- Percent of students who met or exceeded on the AIMS
- Student Performance on AIMS
- Student mobility adjustments
- Distribution of achievement at each school and LEA
- Longitudinal indicators
- ELL test results
- Annual dropout rate
- Annual graduation rate

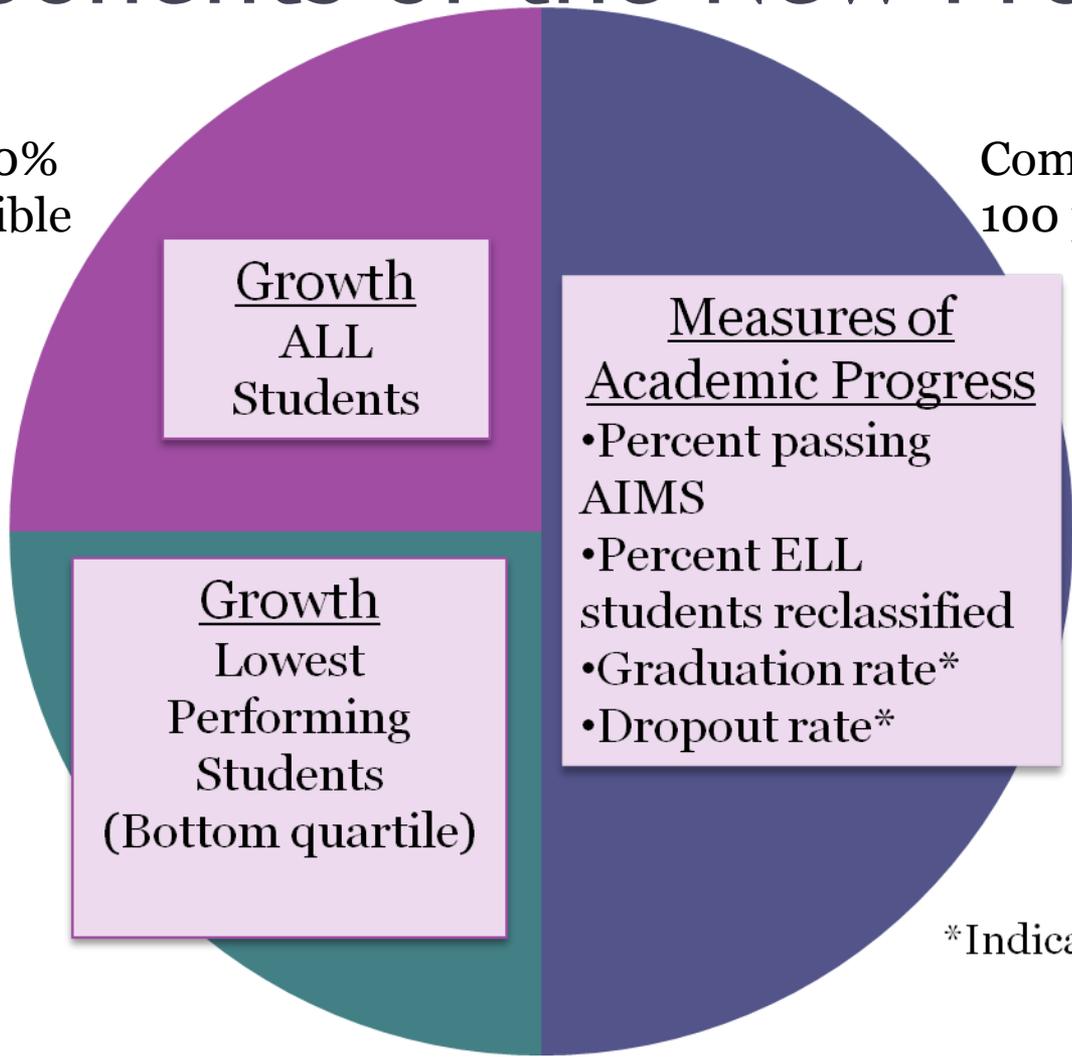
Included in A-F Profiles

- Full Academic Year (FAY) students
 - enrolled within the first ten days of the school's calendar year and continuously enrolled up until the date of testing
- Students with a valid test score
- Students that have, at minimum, a test score for the two most recent school years (i.e., FY10 and FY11)
- The five most recent years of AIMS Reading and Mathematics scale scores were used in the calculation for the growth percentile
- Stanford 10 scores were used in the growth score for grades 3 and 10

Components of the New Profile

Growth Score 50%
100 points possible

Composite Score 50%
100 points possible



Growth
ALL
Students

Growth
Lowest
Performing
Students
(Bottom quartile)

Measures of
Academic Progress
•Percent passing
AIMS
•Percent ELL
students reclassified
•Graduation rate*
•Dropout rate*

*Indicates HS only

Composite Score + Growth Score = A-F Accountability Profile
 100 points possible + 100 points possible = 200 points + bonus pts

Composite Score

Composite Score + Growth Score = A-F Accountability Profile
100 points possible + 100 points possible = 200 points + bonus pts

Composite Score

Percent Passing AIMS

- Percent Passing AIMS in current year (2011)
 - FAY students who met and exceeded the AIMS Reading and Mathematics
 - The High School calculation includes the better of spring / fall AIMS results for FAY students in grades 10, 11, and 12
 - Worth 0-100 points

Composite Score - Bonus Points

ELL Classification Rate

Criteria for ELL Bonus points (3)

ELL students enrolled continuously in the ELL program within the school for at least 150 calendar days

Only schools with 16 or more students are evaluated

30% or more of students across all grades reclassified as proficient

Composite Score - Bonus Points

5-year Graduation Rate

- Baseline Year is 2006 or the school's first year serving grade 12, whichever is the latest
- The graduation rate from the year prior is used in the profile (i.e., 2010 grad rate was used for 2011 A-F profile)

Criteria for Grad Rate points (3) are earned in one of three ways

Graduation Rates	In order to meet the Target	Points Earned
3-Yr Avg for 5-Yr Grad Rate	$\geq 90\%$	3
Current Yr 5-Yr Grad Rate $\geq 74\%$	1% Increase	3
Current Yr 5-Yr Grad Rate $< 74\%$	2% Increase	3

Composite Score - Bonus Points

Dropout Rate

- Baseline Year is 2006 or the school's first year of operation - whichever is latest
- A school will not be evaluated on dropout rate if it has less than 15 students in the school

Criteria for Dropout Rate points (3) are earned in one of three ways

Dropout Rates	In order to meet the Target	Points Earned
3-Yr Avg Dropout Rate	$\leq 6\%$	3
Current Yr Dropout Rate $\leq 9\%$	1% Decrease	3
Current Yr Dropout Rate $> 9\%$	2% Decrease	3

Composite Score

The composite scores is 50% of the A-F Accountability Profile

Measures of Academic Progress

Percent Passing AIMS	0 to 100
ELL Target	0 or 3 bonus points
Graduation Rate Target	0 or 3 bonus points
Dropout Rate Target	0 or 3 bonus points
Total	100 points possible + 9 bonus points (HS) 100 points possible + 3 bonus points (Elem/Mid)

Growth Score

$$\begin{array}{rclcl} \text{Composite Score} & + & \text{Growth Score} & = & \text{A-F Accountability Profile} \\ 100 \text{ points possible} & + & 100 \text{ points possible} & = & 200 \text{ points} + \text{bonus pts} \end{array}$$

Growth Model

- This is a replication of the Colorado Growth Model by Dr. Betebenner.
- Model uses a curvilinear regression line to more accurately represent student growth (i.e., quantile regression with b-spline smoothing). This accounts for distributions of scores that are not a normal bell-curve.

Growth Model

Student Level (statewide)

- A percentile rank is computed for Reading and for Mathematics separately by grade.

Growth Model

School Level (Schoolwide - All Students)

- A median* growth percentile is derived from all of the students within one school by subject and grade. These two medians (i.e., Reading & Mathematics) are averaged for a “All Students” rank.

School Level (Schoolwide - Bottom 25% of Students)

- Bottom quartile of students is identified based on prior year AIMS achievement
- Then a median growth percentile is derived from these students.

*Median is the middle of the distribution of student growth percentiles

Growth Score

A = Median growth percentile of all students (“All Student” Rank)	0 to 100
B = Median growth percentile of bottom quartile of students	0 to 100
The average of A and B is the Overall Growth Score	

For example, School 1 receives the following scores:

Math = 47; Reading = 53 School Median percentile = 50



Middle School 1



Middle School 2



Middle School 3

	Growth Score	Composite Score	Growth Score	Composite Score	Growth Score	Composite Score
	45	95	50	90	60	78
Grade Score	140		140		141	
	+		+		+	
ELL Bonus Points	+0		+0		+3	
	=		=		=	
	A		A		A	

A-F Accountability Scores

The composite and growth scores are added together to determine the grade earned based on the score differentiations in the table below. This was approved by the AZ State Board of Education.

Rating	Total Score
A	140-200
B	120-139
C	100-119
D	0-99

At the LEA Level aggregate scores are used from all of their qualifying schools.

Description of Grades

SB 1286

A	Demonstrate an excellent level of performance
B	Demonstrate an above average level of performance
C	Demonstrate an average level of performance
D	Demonstrate a below average level of performance
F	Demonstrate a failing level of performance

What the data can tell us...

Student Growth Percentiles (SGP) help answer questions such as:

- *“How well are our students scoring in relation to the scores of other students in the district?”*
- *“How have our struggling students improved over the past school year?”*

Anticipated Additions for 2012

- Unique achievement profiles will be calculated for:
 - Alternative schools
 - Accommodation schools
 - Extremely Small Schools
 - K-2
- Writing achievement scores will be included in 2012 calculations for the composite calculations

Public Release

- Both the AZ Learns-Legacy and A-F Accountability Profiles will be available for the public on September 28, 2011
www.ade.az.gov/azlearns/azlearns.asp
- Schools/LEAs will have access to their profiles prior to that date on the Common Logon.
- Technical Manuals will be made available later this fall

If you have any further questions or require additional assistance, please feel free to contact us at
602-542-5151 or Achieve@azed.gov

2011 Criteria to Determine School Improvement Status

ARS § 15-241

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2011 School Improvement Designations

- Schools that are “Underperforming” on AZ Learns-Legacy are in school improvement
- Schools that are “Performing” or above on AZ Learns –Legacy and receive a “D” letter grade will not be in school improvement but will be offered services from the ADE on a voluntary basis

Questions

ADEinbox@azed.gov
(602) 542-3710

