

# **School Accountability Systems**

October 25, 2011

# School Accountability Systems

- Adequate Yearly Progress (AYP)
- Persistently Lowest Achieving
- (Legacy) AZLearns
- **School Letter Grades (A-F)**

# School Accountability Systems

## How are they alike?

All four include:

- Current AIMS Math and Reading passing rates (status)
- A measure of Growth in AIMS Math and Reading scores
- Additional indicators like English Language Learner reclassification rate, dropout rate, graduation rate, and/or attendance

# School Accountability Systems

## How are they different?

The four:

- Calculate growth differently
- Give different weights to growth vs. the current passing rate (status)
- Label schools differently...

# Adequate Yearly Progress (AYP)

- AIMS results analyzed by subgroup (Ethnicity, ELL, Special Ed., Low SES)
- Absolute Achievement Goals – Annual Measurable Objectives (AMOs) increasing each year, reaching 100% passing requirement in 2013-14
- Schools can satisfy the AMO requirements through growth
- Schools either make AYP or not, no middle ground
- All schools are evaluated, but only Title I schools face sanctions

# Persistently Lowest Achieving (PLA)

- Only Title I, and Title I eligible schools are evaluated
- Schools are rank ordered according to their current AIMS math and reading passing rate (status)
- Schools are rank ordered according to the change in their AIMS math and reading passing rates over the last three years.
- The two ranks are averaged and the schools are re-ranked.
- The lowest 5% (or 5) schools are labeled Persistently Lowest Achieving, and their AZLearns label is changed to Underperforming.

# (Legacy) AZLearns

- Schools receive points based on the difference between their performance and the State average on the AIMS reading and math tests
- Points for current passing (status) or growth in passing are weighted more heavily depending on which is higher
- Schools receive additional points for moving students at least “one year’s growth”
- Schools receive a rating of Excelling, Highly Performing, Performing Plus, Performing, Underperforming, or Failing (after 3 Underperforming ratings)
- Excelling and Highly Performing are dependent on the percentage of students scoring an Exceeds on the AIMS

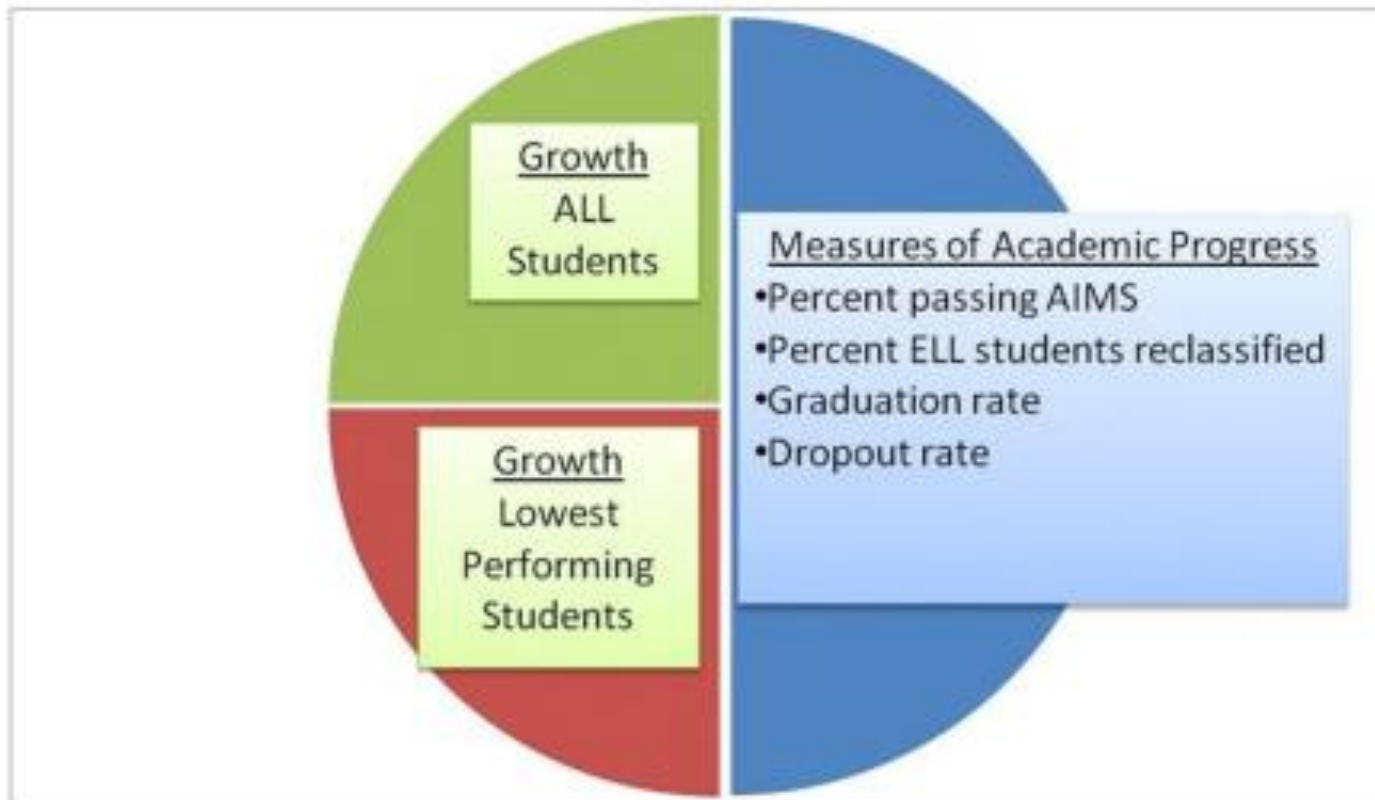
# School Letter Grades (A-F)

- 50% of the letter grade is determined by the percentage of students passing the AIMS reading and math test
- 50% of the letter grade is determined by student growth, split into:
  - 25% for all students in the school
  - 25% for the lowest achieving students in the school
- Schools can receive bonus points depending on their ELL reclassification, graduation and dropout rates

# School Letter Grade Components

Growth Score 50%

Composite Score 50%



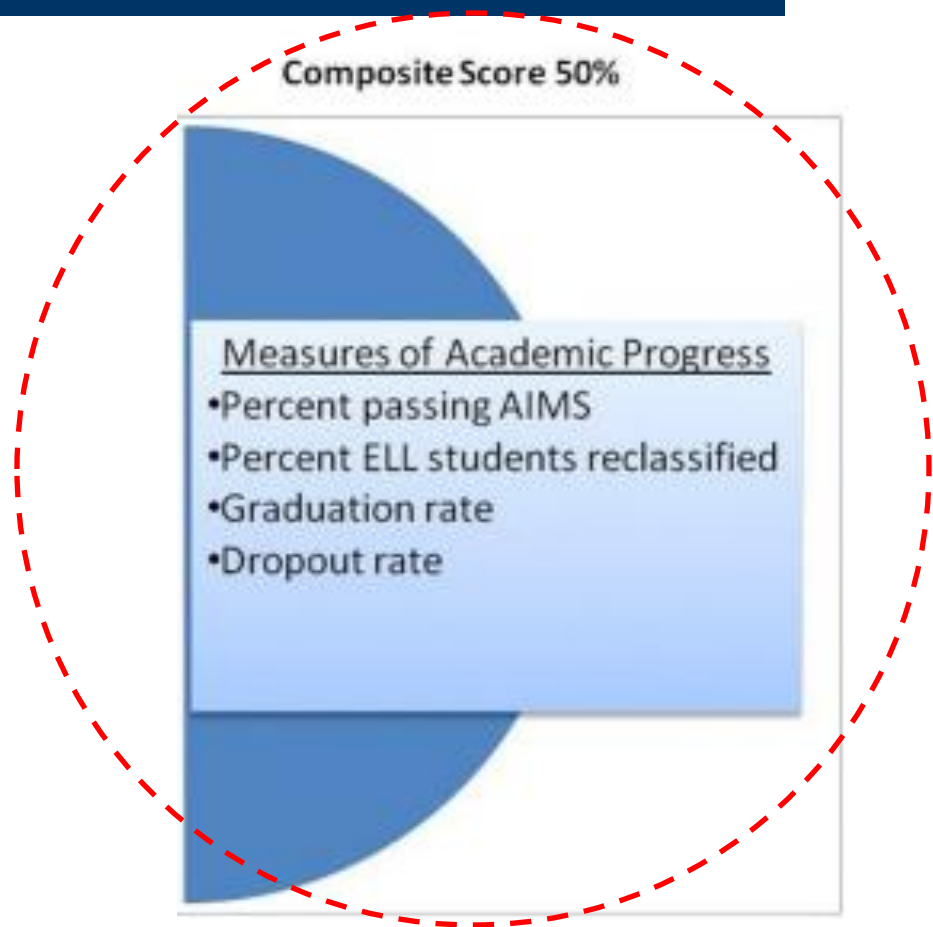
# New School Letter Grade (A-F)

- AIMS
  - **Composite Score (50%)** - Average Passing Rate for Reading and Math Combined
  - **Growth Score (50%)** - Median Percentile Rank of Student Growth for Reading and Math Combined

# New School Letter Grade (A-F)

- **Bonus Points** (where appropriate)
  - English Language Learner  
Reclassification Rate (3 points)
  - Graduation Rate (3 points)
  - Dropout Rate (3 points)

# Composite Score (50%) – AIMS Passing Rate for Reading and Math Combined + Bonus Points



# Composite Score (50%) Percent Passing – All Students

Percent Passing			<i>View Passing Data</i>
Grade	Reading	Math	Writing
3	67.65 %	54.41 %	0.00 %
4	61.64 %	52.05 %	0.00 %
5	66.23 %	51.95 %	0.00 %
All Students	65.14 %	52.75 %	0.00 %
Percent Passing -- All Students			58.94 %

## English Language Learner Reclassification (3 points)

- 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

# Graduation Rate (3 points)

## Points can be earned in one of three ways:

- Three Year Average for Five Year Graduation Rate  $\geq 90\%$
- Current Five Year Graduation Rate  $\geq 74\%$
- Current Five Year Graduation Rate  $< 74\%$  but with a 2% or greater increase over the previous year

# Dropout Rate (3 points)

## Points can be earned in one of three ways:

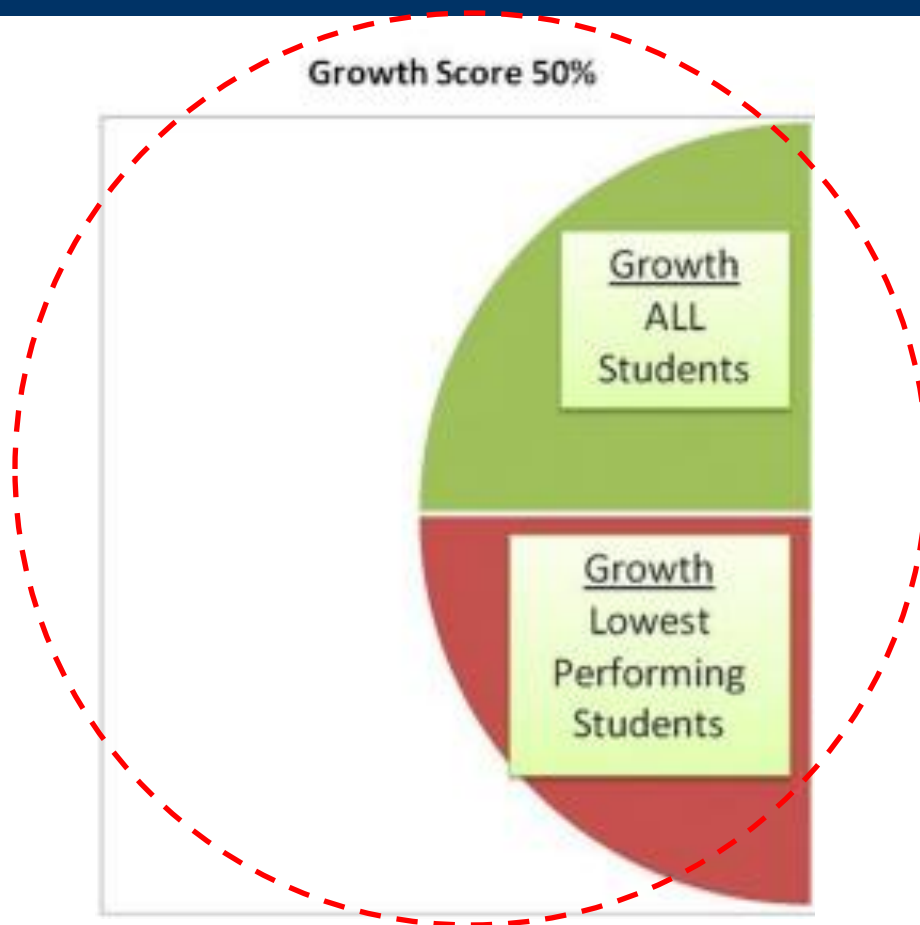
- Three Year Average  $\leq 6\%$
- Current Average  $\leq 9\%$  and a 1% decrease
- Current Average  $>9\%$  and a 2% decrease

# Composite Score Components

Components of A-F Profile	
Composite Score components	Points
Percent passing AIMS	59
ELL Bonus	0
Graduation Rate Bonus	N/A
Drop Out Rate Bonus	N/A
Composite Score	59
Growth Score	42
Total Points	101

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

# Growth Score (50%) – Median Percentile Rank of Student Growth



# Growth Score – Median Percentile Rank of Student Growth

- Colorado Growth Model by Dr. Betebenner.
- Growth Model uses a curvilinear regression line to more accurately represent student growth (i.e., quantile regression with b-spline smoothing)

# Growth Score (50%) Median Percentile Rank

Median Percentile Rank			<i>View Percentile Rank Data</i>
Grade	Reading	Math	Writing
3	35	32	0
4	51	61	0
5	52	56	0
All Students	45	48	0
Median Percentile Rank -- All Students			47.5
Median Percentile Rank -- Bottom 25%			36

# Percentile Rank of Growth Example

## 3<sup>rd</sup> to 4th Grade Math - Percent Correct

2009-10 66 Items	2010-11 68 Items	Percentile Rank
65%	34%	1
65%	47%	7
65%	49%	8
65%	65%	39
65%	66%	44
65%	84%	94
65%	85%	96
65%	93%	99

# Percentile Rank of Growth Example

## 3<sup>rd</sup> to 4th Grade Math - Percent Correct

4<sup>th</sup> grade in 2010-11

	41	43	44	46	47	49	50	51	53	54	56	59	60	62	63	65	66	68	69	71	72	74	75	76	78	79	81	82	84	85	87	88	90	91			
41	38	43	47	52	56	59				75	81	84	86		90					95																	
42	39	44	48	53		60	64	69	72	77	85	87	89	91	92					96																	
44	35	40	45		51	56	61	65	69	75	79	82	85	87	89	91				94	95																
45	27	31		41	46	47	52	56	61	65	71	76	80	82		87			91	93			95		98	98									99		
47	24		32	37	42	43	48	53	57	61	68	73		80	83	85	87	90	92	93			96		97											99	
48	21	25	29	33	38	39	44	49	54	58	63		74	77	80	83			90		94							99							99		
50	19		26	29	33	36	41	45	50	54	59	67		74	78	80	83	87	89	90		94	95	96	97		98								99		
52	15	18	21	24		30	34	39	42	48	55	61	65	69	73	76	80			88	91	92			96		98								99		
53	12	15	19	22	25	27	30	34	39	43	50	57	62	66	70	73	77	81	84	86		91	93			96	97	98									
55	14	16	19	22	23	27	30	34	39	46	53	57	62	66	70	74	78	81	84				92	93		96	97								99		
56	12	14	17	20	20	24	28	31	35	41	49	53	58	62	66	70	75	78	82	85	88	90	92			95	96	97							99		
57	8	10	12	15	17	18	22	24	28	32	38	45	49	53	58	63	67	72	75	79	82	86	88		92	94	96	97						99			
59	7	8				16	19		25	29	34	40	45	49	54	59	63	68	72	76	80	83	87	89	91	93	95										
61			9		13	14	16	19	22	26	30	37	41	46	50	54	59	64	68	72	77	80	84	87		92			95	97	98						
62	5				12	14	16	19	23	28	33	38	41	46	50	55	60	65	68	74			81	85	88		93	94	96	97	98						
64	4			7	9	10	11	13	15	18	22	28	30	35	39	43	48	55	59	64	69	74	78	81	85	88	91	93	96	97	98						
65	3	4	5		7	8	10	12	14		21	25	28	32	35	39	44	51	55	60	65	70	74	79	83	86	89	92	94	96	97	98					
67	3			5	6	7	8	10	12	14	17	22	26	29	32	36	40	47	51	56	61	67	71	75	80	84	87	90	92	95	97	98					
68	2	3			6	7	8	10	11	14	18	21		27	30	34	41	45	50	56	61	66	71	76	80		88	91	94						98		
70			3	4	4			8	10	13	16	18	21	24	28	31	38	42	46	52	58	62	67	73	77	82	85	89							94	97	98
71		2	2	3		4	5		7	10	13	15	18	20	23	26	32	36	40	46	52	56	63	68	73	79	82	87	90	93	95	97					
73	1	2	2	3		3		4	5		8	11	13	15	17	20	23	27	31	35	42	47	51	58	63	69	74	79	84	88	91				96	98	
74			2	2		3		5	5	8	9	11	13	15	26	20	25	28	32	37	43	47	53	59	65	71	76	82	86	89	93	96	97				
76			1			2		3	4	4	6	7	9	10	12	14	17	21	25	26	33	38	42	48	54	60	66	72	77	83	87	91				96	
77					2			3		3		6	7	8	10	12	14	17	21	23	30	34	37	44	49	54	62	69	74	81	85	89	93	95			
79						2			3	5	6	7	8	9	11	14	17	19	23	29	31	36	43	48	56	61	70	75	81	86	91	94					
80					1				2	3				5	6	7	9	11	14	16	20	25	27	34	38	44	52	57	64	71	77	83	88	92			
82										2				4	5	6	7	9	11	13	16	20	22	26	34	38	45	50	58	66	72	79	85				
83								1		2			3		4		5	7	8	10		16	19	22	28	34	41	45	53	60	67	76	82	87			
85										1	2				3	3		5	6	8	10	12	15	19	24	29	35	40	46	54	62	70	78	84			
86											1			1		2	3		3	4	5	6	8	10	12	14	18	21	30	31	39	48	56	64	73	80	
88												1					2	3				4		7		11	14	17	24	27	32	42	49	58	67	75	
89											1			1			2		3	3		5	7	8	11	14	18	22	25	35	39	50	60	68			
91														1		1				1		2		4	5	6	8	10	13	16	20	29	31	42	60	62	

3<sup>rd</sup>  
g  
r  
a  
d  
e

# Percentile Rank of Growth Example

## Sample Class – 3<sup>rd</sup> to 4<sup>th</sup> grade Math

Sample Class	Percent Correct		Percentile Rank of Growth
	2009-10	2010-11	
Student A	21% (F)	26% (F)	35
Student C	48% (A)	49% (A)	39
Student B	50% (A)	37% (F)	11
Student D	60% (A)	75% (M)	84
Student E	65% (M)	68% (M)	51
Student F	68% (M)	65% (A)	30
Student G	70% (M)	74% (M)	58
Student H	70% (M)	79% (M)	77
Student I	72% (M)	87% (E)	91
Student J	88% (E)	87% (E)	49
Percent Passing /Median Percentile Rank	60%	60%	50

# Growth Score (50%) Median Percentile Rank

Median Percentile Rank			<i>View Percentile Rank Data</i>
Grade	Reading	Math	Writing
3	35	32	0
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All Students	45	48	0
Median Percentile Rank -- All Students			47.5
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# Total Score = Composite + Growth

Components of A-F Profile	
Composite Score components	Points
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Composite Score	59
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Total Score \_\_\_\_\_

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

# Distribution of (Legacy) AZLearns School Ratings for the Last Four Years

(Legacy) AZLearns Achievement Profile	2007-08		2008-09		2009-10		2010-11	
	N	%	N	%	N	%	N	%
Excelling	8	7%	11	9%	4	3%	6	5%
Highly Performing	16	13%	14	12%	8	7%	6	5%
Performing Plus	24	20%	45	38%	43	36%	44	40%
Performing	52	43%	47	39%	56	47%	51	46%
Underperforming*	21	17%	3	3%	9	8%	3	3%
Total	121	100%	120	100%	120	100%	110	100%

*\*Includes Failing Schools*

# Distribution Comparison of 2010-11 (Legacy) AZLearns vs School Letter Grade

(Legacy) AZLearns Achievement Profile	School Letter Grade (A-F)					Total	
	A	B	C	D	NR	N	%
Excelling	4	2	0	0	0	6	5%
Highly Performing	1	2	3	0	0	6	5%
Performing Plus	3	7	28	6	0	44	40%
Performing	0	1	12	20	18	51	46%
Underperforming	0	0	0	2	1	3	3%
Total	8	12	43	28	19	110	100%
	7%	11%	39%	25%	17%	100%	

*NR = Not Rated*

# School Letter Grade (A-F) State Averages vs. TUSD Schools

% Free/Reduced Meals	Number of Schools	A	B	C	D
< 20%	85	75%	25%	0%	0%
20-40%	326	33%	52%	13%	1%
40-60%	274	14%	41%	39%	6%
60-80%	359	6%	30%	45%	20%
>80%	317	4%	26%	45%	24%
na	140	37%	31%	21%	10%
<b>Arizona Total</b>	<b>1501</b>	<b>20%</b>	<b>36%</b>	<b>32%</b>	<b>12%</b>

<b>TUSD (70% FR)</b>	<b>91</b>	<b>9%</b>	<b>13%</b>	<b>47%</b>	<b>31%</b>
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