

Arkansas Advanced Initiative for Math and Science


AP Training and Incentive Program



ACT 625

- **An Act to Establish the Advanced Placement Training and Incentive Program, passed during the Regular Session of 2013.**






THE GROWTH CONTINUES

- **We have added 8 new schools this fall, as we begin Cohort 6: Bryant; ESTEM Charter; Farmington; Fountain Lake; Lighthouse Charter; Pine Bluff; Rogers Arts Academy; and Lee County. We are now in 46 schools across the state.**
- **In the Spring of 2014, AAIMS initiated a pilot of online tutoring sessions and served over 34,000 students.**

+

3




KEY INDICATORS

- **AR AIMS schools account for the dramatic increase in the number of students taking AP math, science, and English classes.**
- **AR AIMS schools account for the significant increase in the number of qualifying scores on AP math, science, and English exams.**

+


4



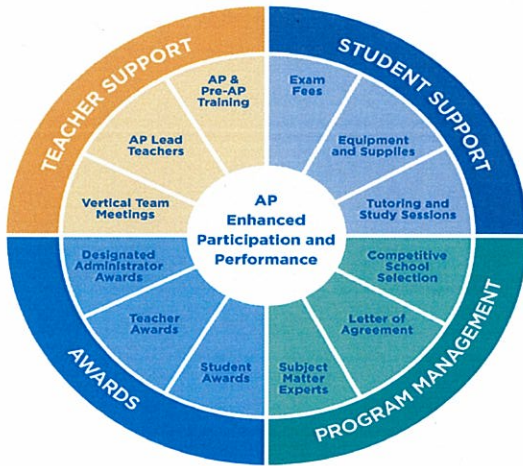
KEY INDICATORS CONTINUED

- **AR AIMS schools account for the state's increase in minority students taking AP courses and achieving qualifying scores.**
- **AR AIMS is a STEM model that produces results!**
- **AR AIMS is making a difference in the state by changing expectations and achievement!**

5



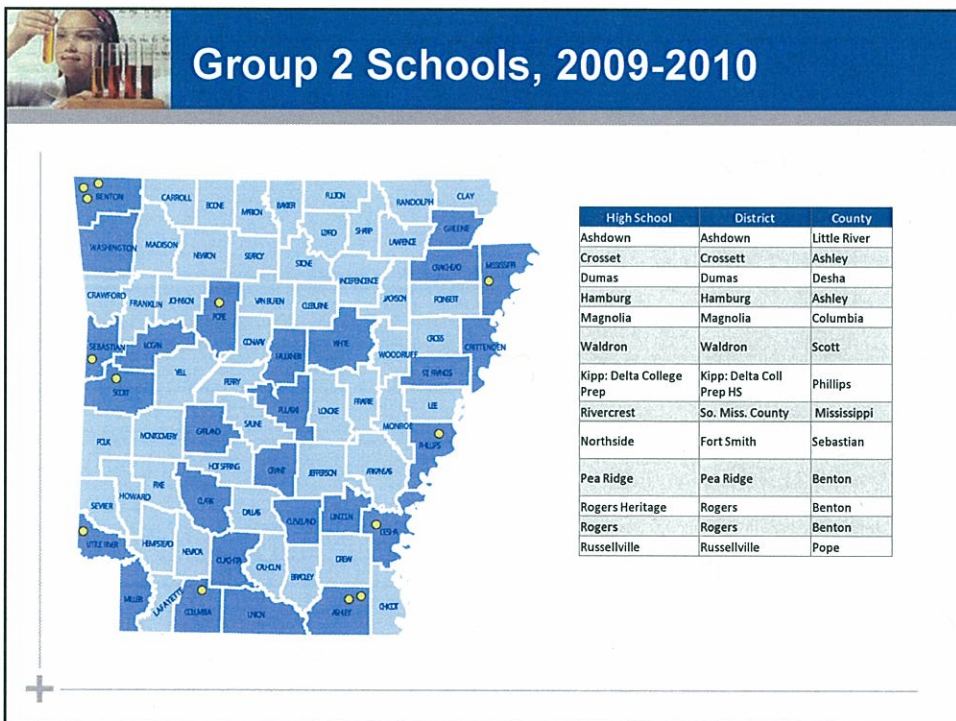
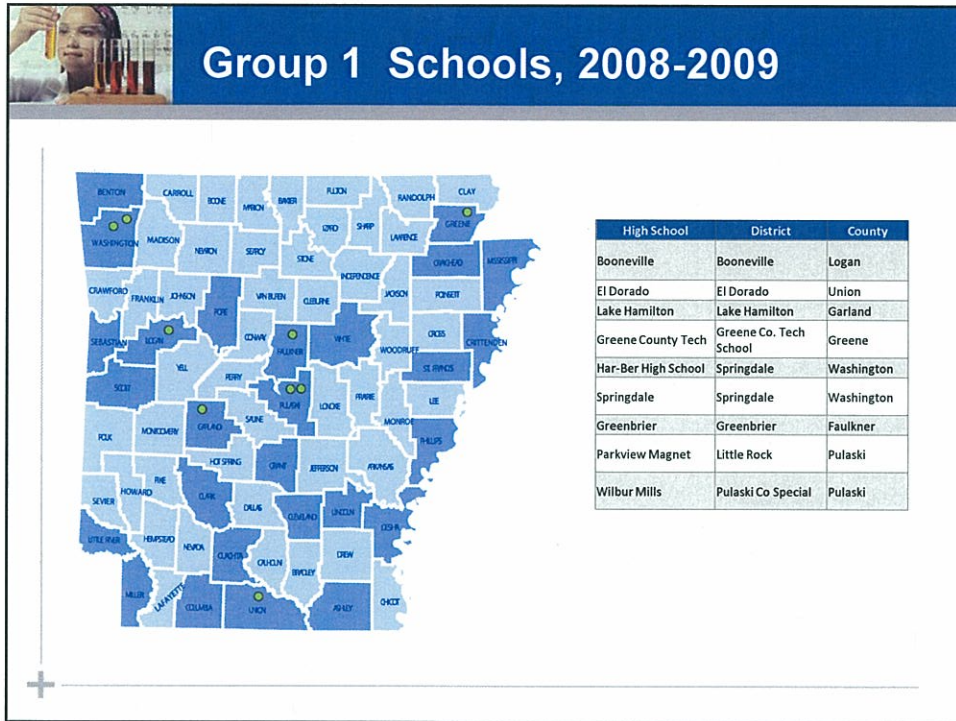
NMSI' s APTIP Elements of Success Wheel

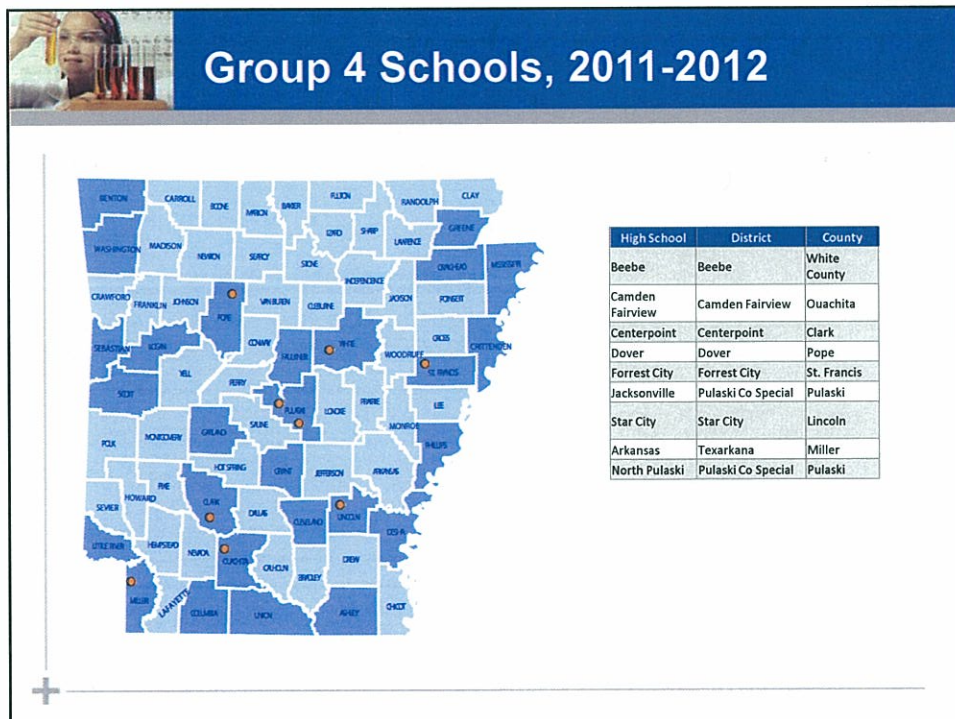
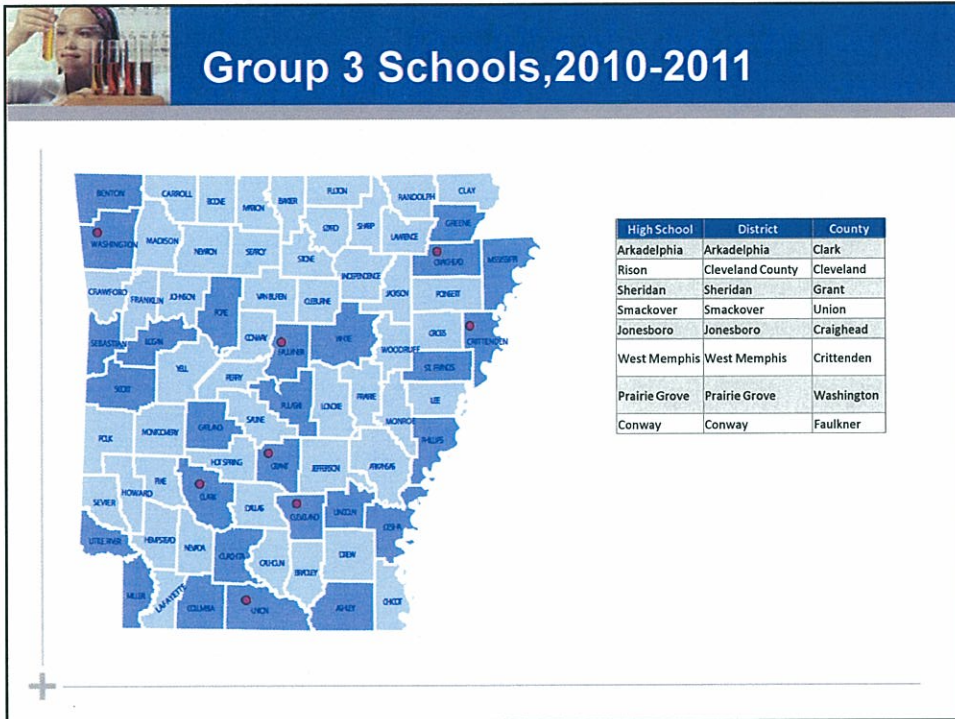


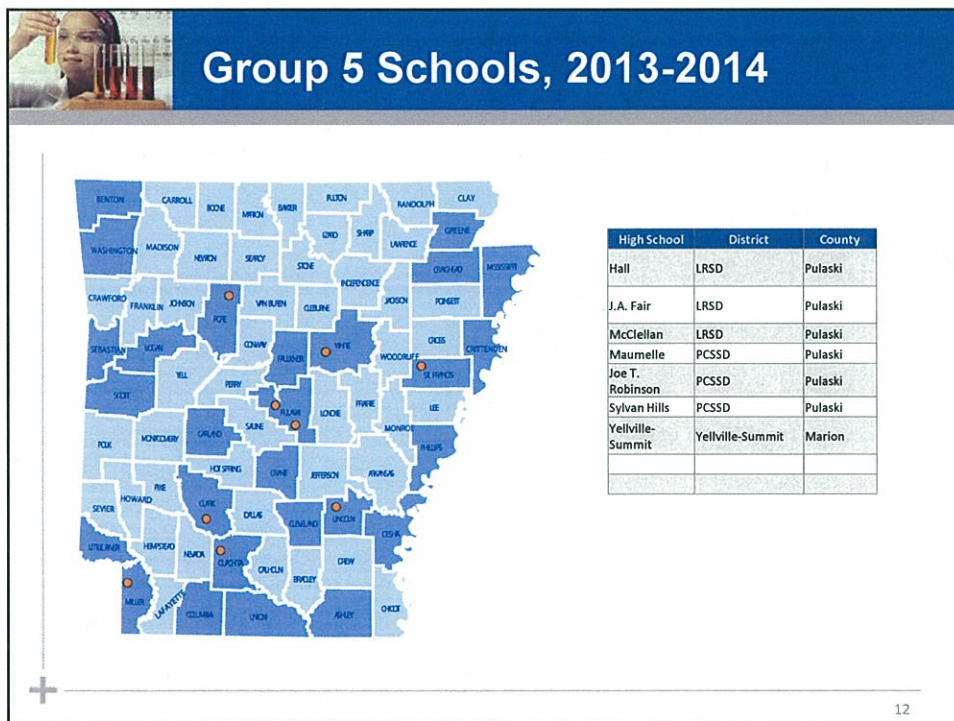
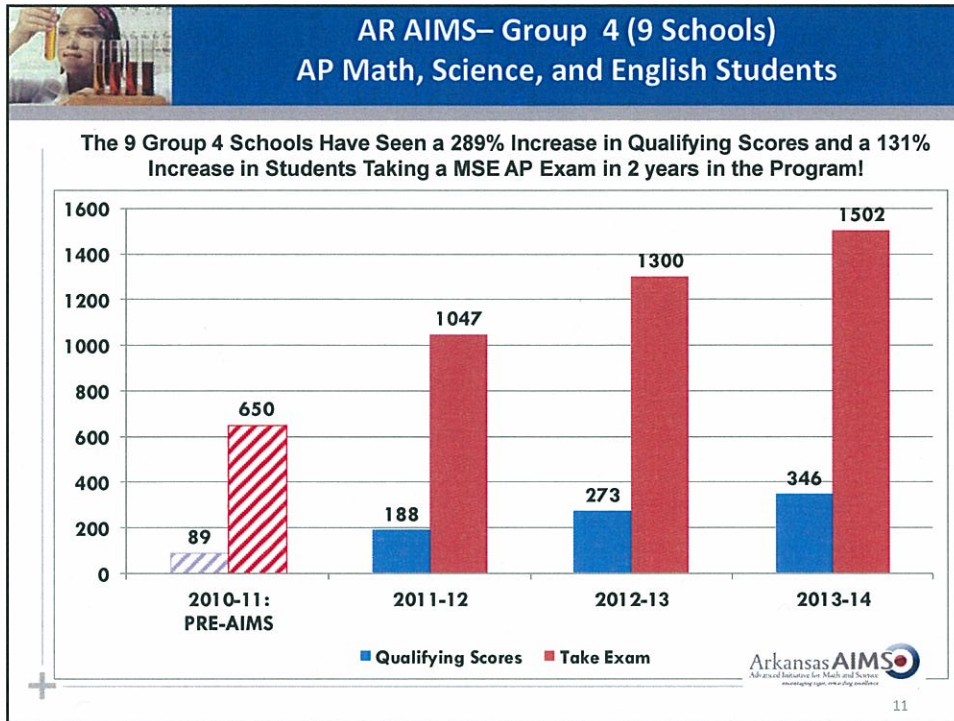
AP Enhanced Participation and Performance

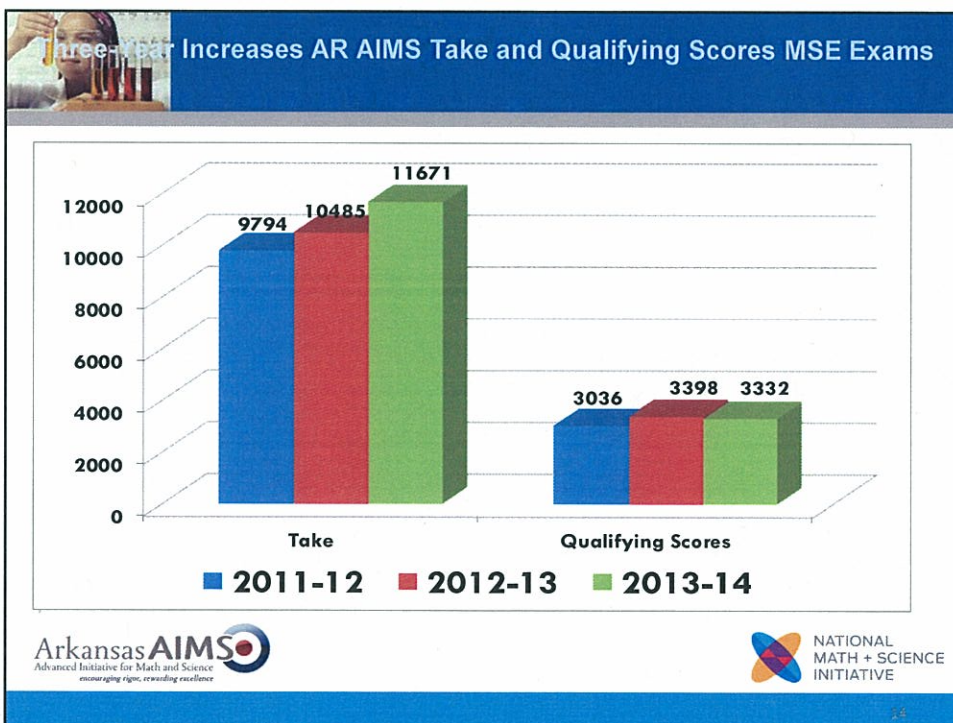
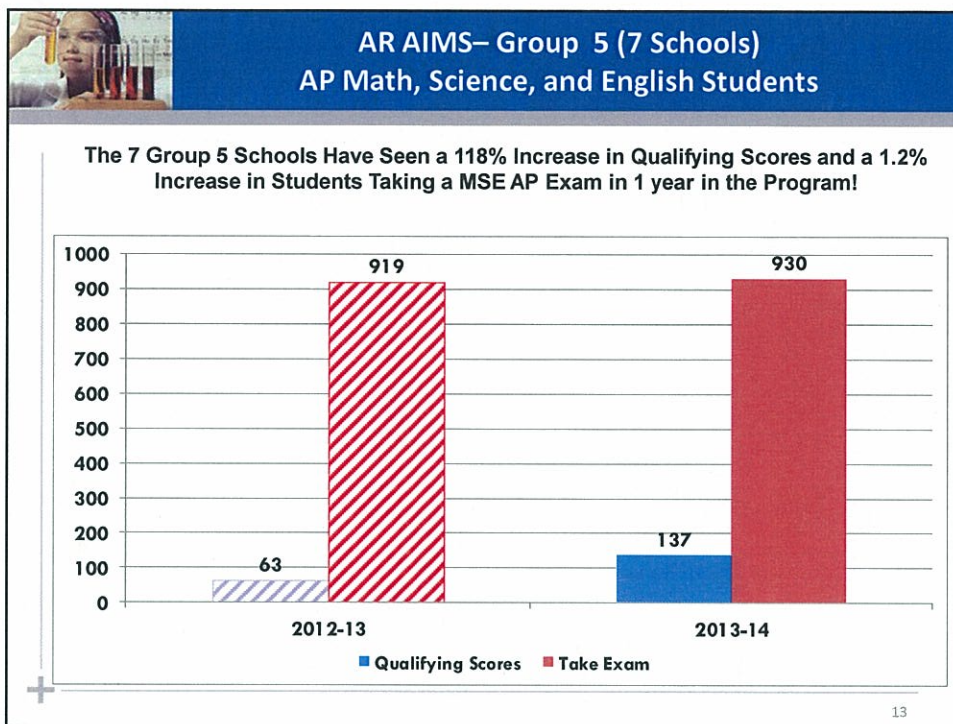
Category	Sub-Elements
TEACHER SUPPORT	AP & Pre-AP Training, AP Lead Teachers, Vertical Team Meetings
STUDENT SUPPORT	Exam Fees, Equipment and Supplies, Tutoring and Study Sessions
PROGRAM MANAGEMENT	Competitive School Selection, Letter of Agreement, Subject Matter Experts
AWARDS	Designated Administrator Awards, Teacher Awards, Student Awards

6









STATE RANKINGS FOR INCREASES IN PASSING SCORES FROM 2008-2014

TOP 20 STATES

MSE		MSE - Minorities		Math/Science		Math/Sci - Minorities	
AL	136%	AL	232%	AL	133%	AR	377%
KY	117%	AR	216%	KY	121%	AZ	228%
LA	113%	IN	213%	LA	112%	IN	217%
IN	80%	MA	198%	AZ	99%	AL	207%
AZ	77%	KY	191%	AR	92%	CO	196%
AR	69%	PA	180%	IN	85%	KY	195%
GA	68%	IL	178%	ME	83%	MA	190%
RI	67%	AZ	175%	GA	82%	PA	189%
MA	66%	CT	168%	TX	77%	IL	181%
NV	65%	NV	168%	RI	77%	NV	180%
ME	59%	MN	154%	NV	76%	CT	164%
HI	57%	CO	149%	CO	72%	OR	157%
OH	57%	WI	135%	MA	68%	TX	149%
ID	56%	GA	125%	IA	68%	WI	143%
CO	55%	NJ	120%	NE	67%	CA	137%
PA	54%	CA	114%	VA	67%	GA	137%
MN	53%	WA	113%	WA	65%	WA	135%
IL	53%	US	112%	FL	61%	US	134%
TX	53%	TX	110%	WV	61%	MN	134%
CT	52%	VA	107%	PA	60%	VA	126%

ArkansasAIMS
Advanced Initiative for Math and Science
encouraging rigor, rewarding excellence

NATIONAL MATH + SCIENCE INITIATIVE

Source: NMSI and The College Board

STATE RANKINGS FOR INCREASES IN QUALIFYING SCORES FROM 2008-2014

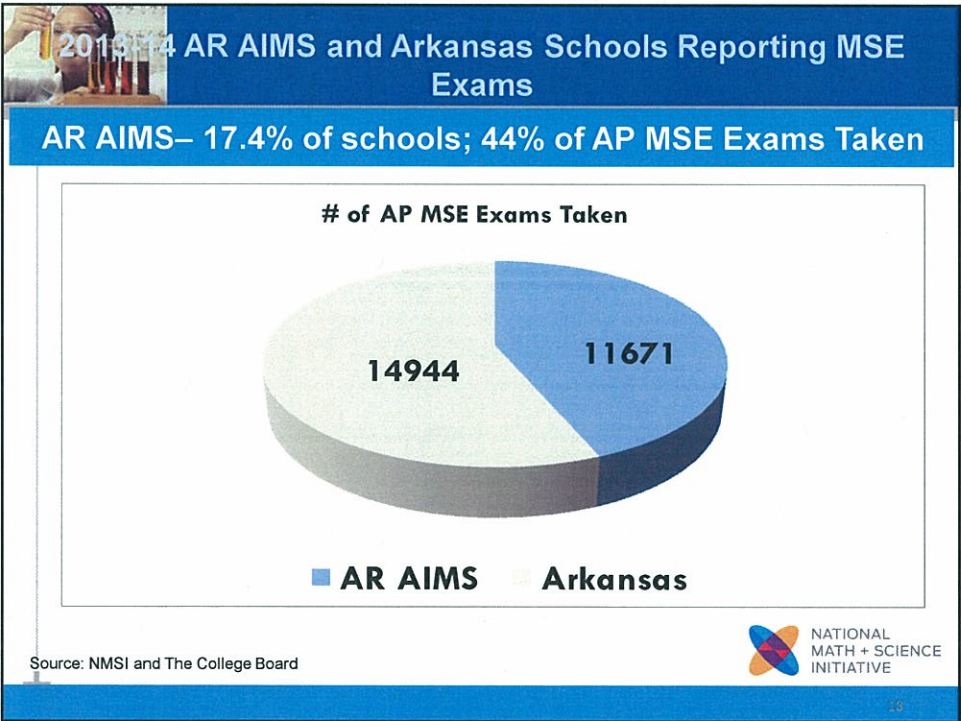
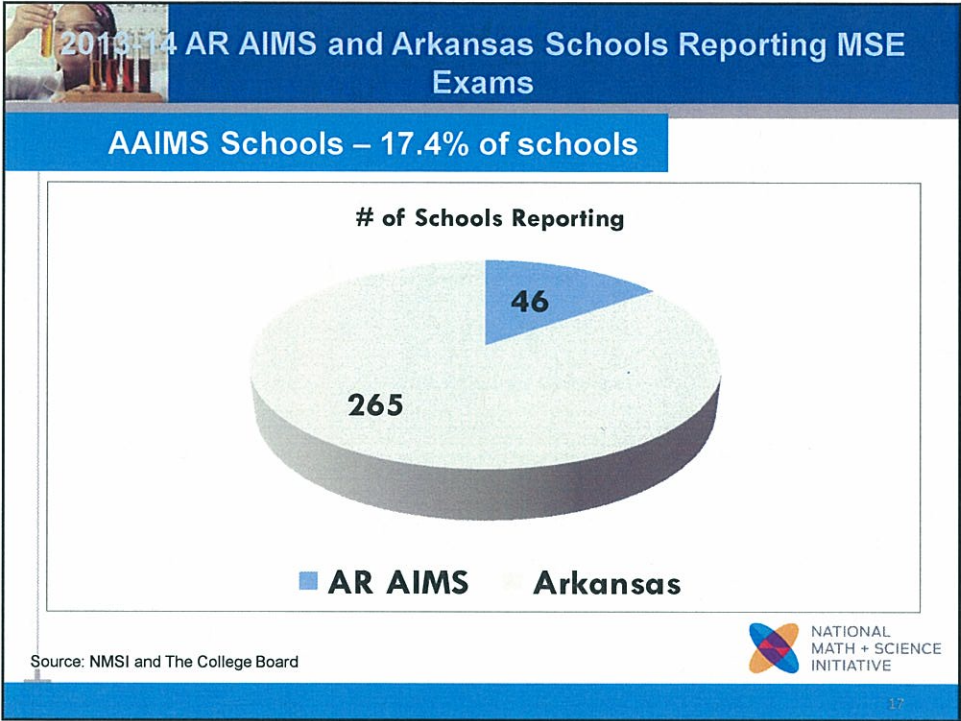
TOP 20 STATES

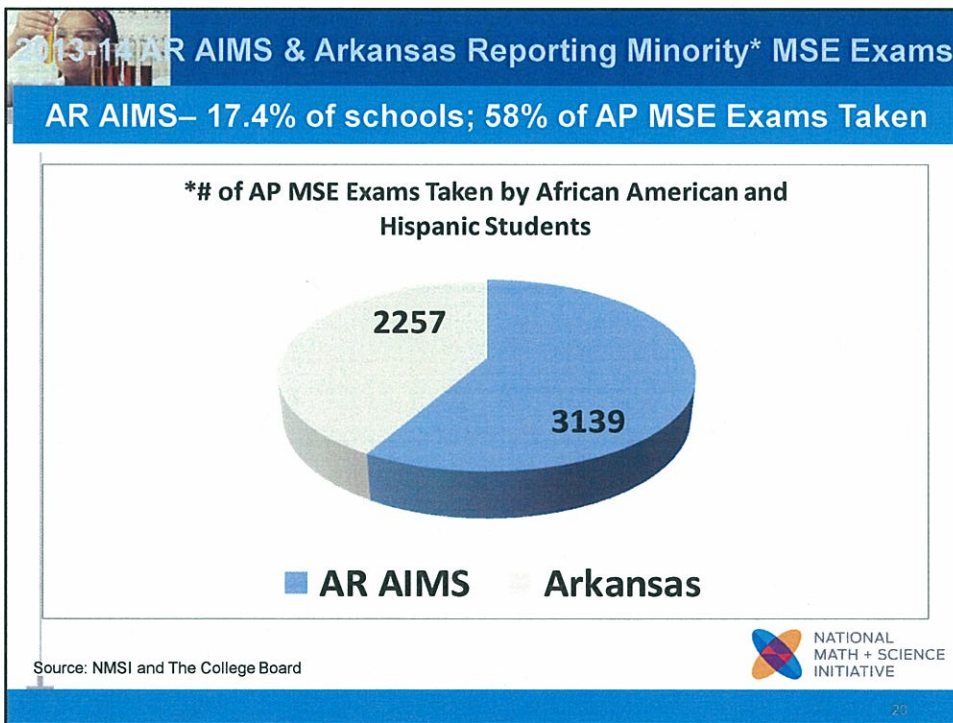
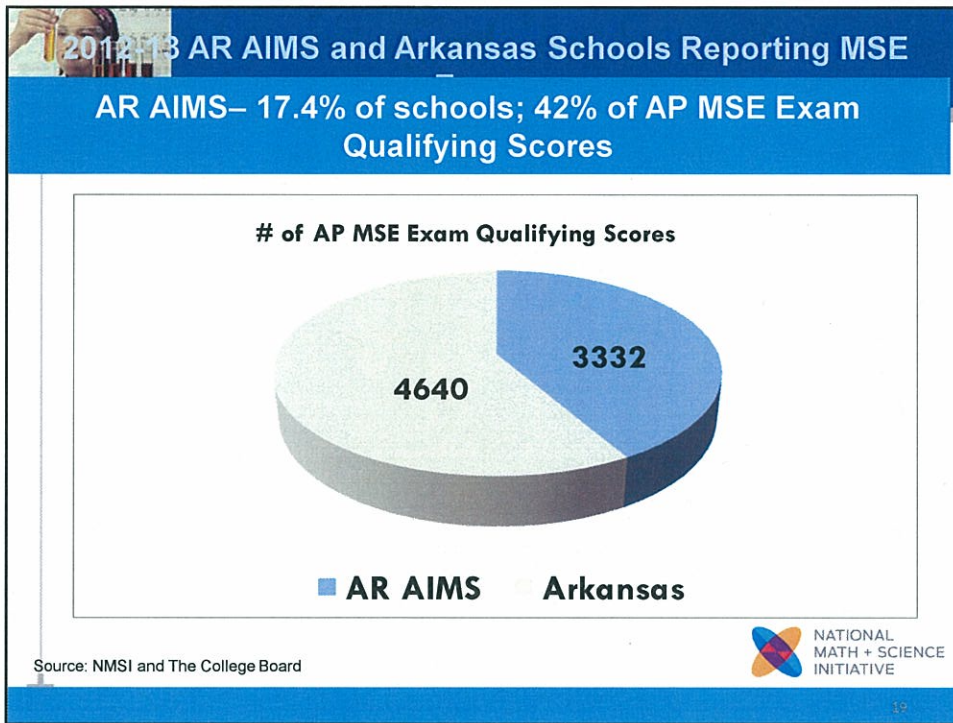
ALL MSE Exams		All MSE Exams - Minorities	
AL	136%	AL	232%
KY	117%	AR	216%
LA	113%	IN	213%
IN	80%	MA	198%
AZ	77%	KY	191%
AR	69%	PA	180%
GA	68%	IL	178%
RI	67%	AZ	175%
MA	66%	CT	168%
NV	65%	NV	168%
ME	59%	MN	154%
HI	57%	CO	149%
OH	57%	WI	135%
ID	56%	GA	125%
CO	55%	NJ	120%
PA	54%	CA	114%
MN	53%	WA	113%
IL	53%	US	112%
TX	53%	TX	110%
CT	52%	VA	107%

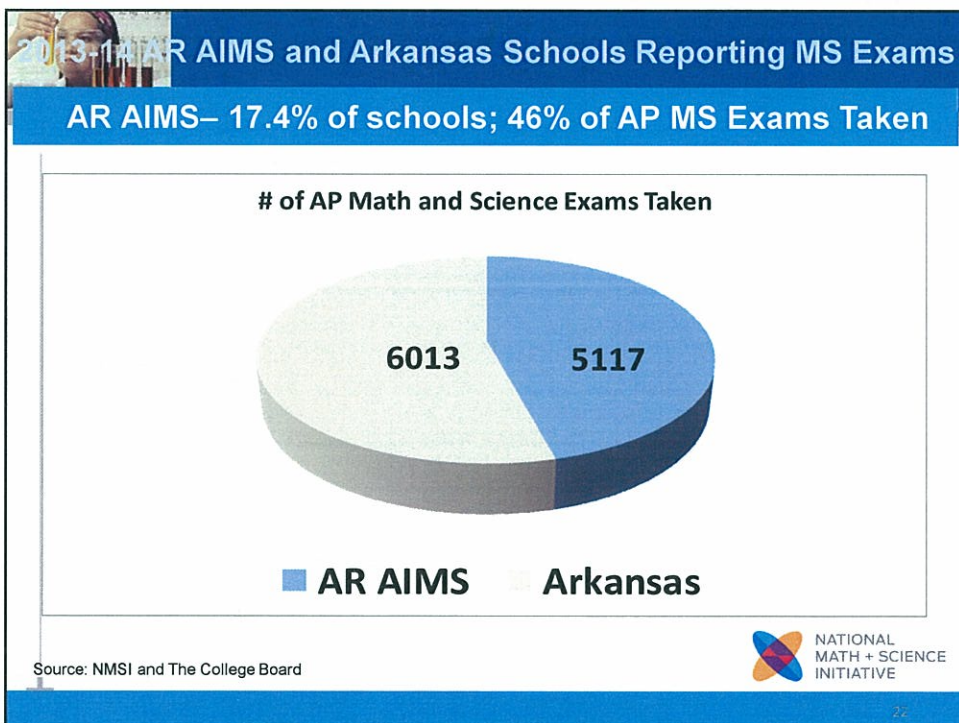
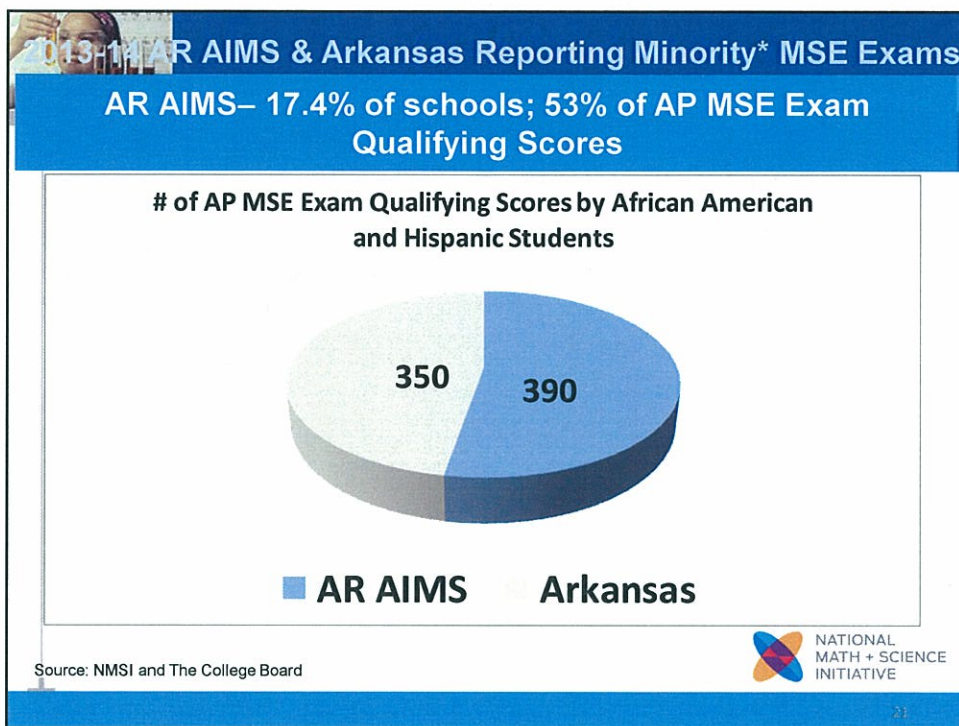
ArkansasAIMS
Advanced Initiative for Math and Science
encouraging rigor, rewarding excellence

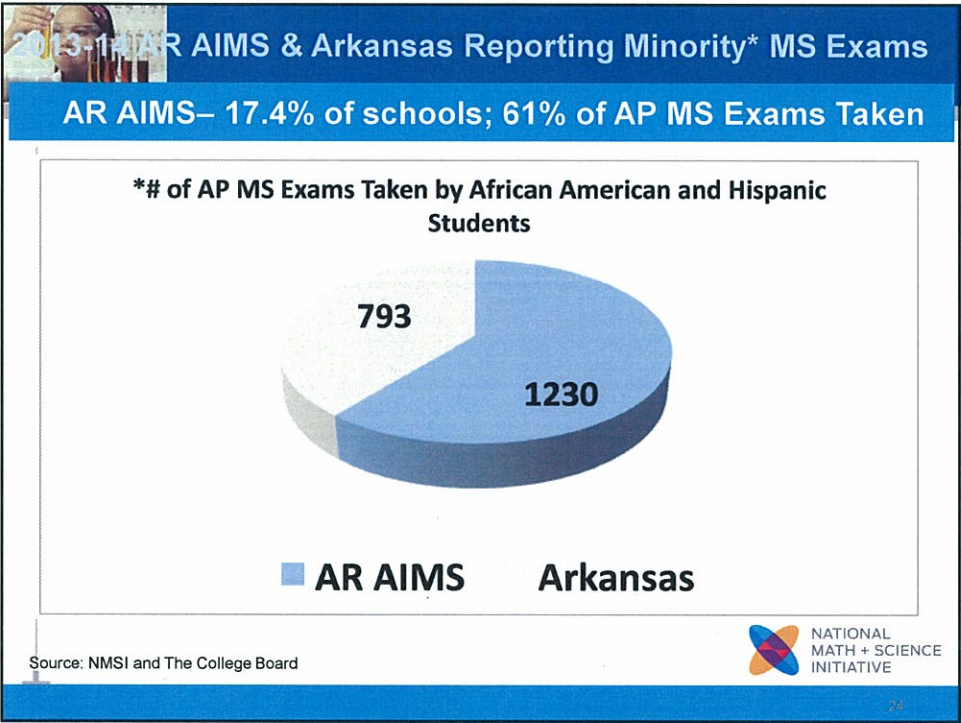
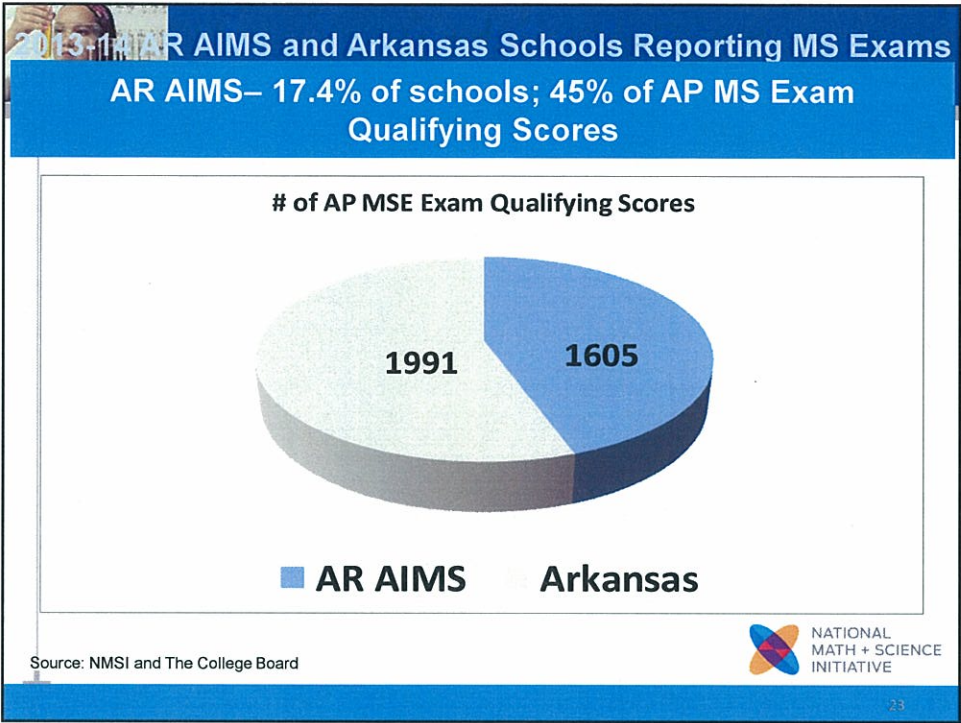
NATIONAL MATH + SCIENCE INITIATIVE

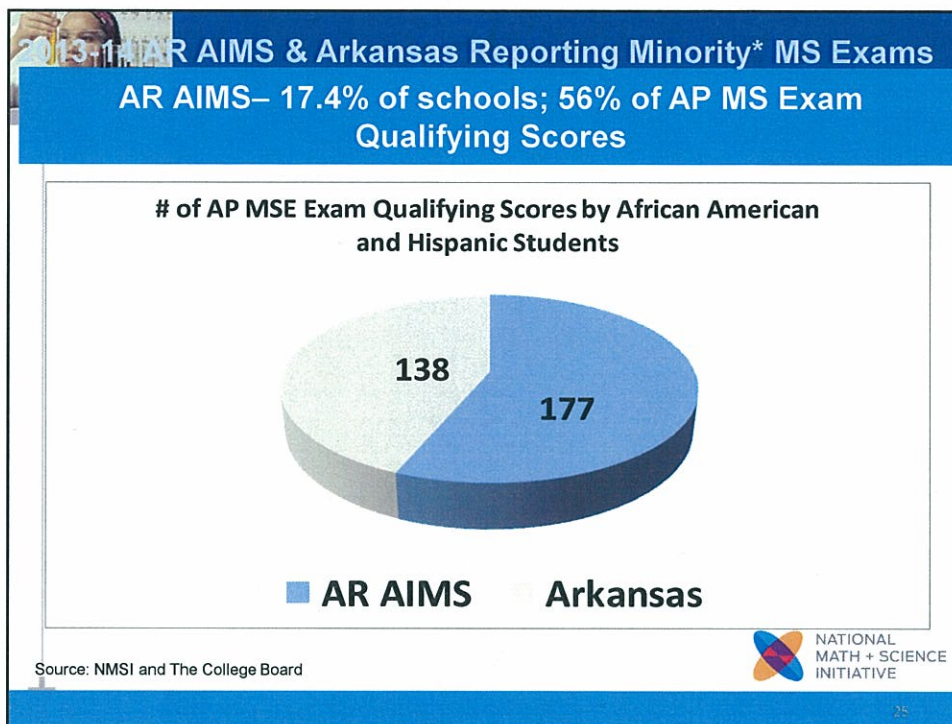
Source: NMSI and The College Board












Conclusions

- AR AIMS schools continue to account for the dramatic increase in the number of students taking AP math, science, and English classes.
- AR AIMS schools continue to account for the significant increase in the number of qualifying scores on AP math, science, and English exams.
- AR AIMS schools continue to account for the state's increase in minority students taking AP courses and achieving qualifying scores.

+

26




Conclusions

- AR AIMS is a STEM model that produces results!
- AR AIMS continues to make a difference in the state by changing expectations and achievement!
- The correlation between Advanced Placement and college success is obvious!

+

27




AIMS RETURN ON INVESTMENT

- In 2014, AR AIMS schools took 11,671 exams and obtained 3,332 Qualifying scores
- In 2014, the % of students nationally obtaining a Qualifying score was 13.2%.
- In 2014, the % of students in Arkansas obtaining a Qualifying score was 10.8%
- **In 2014, the % of AR AIMS students obtaining a Qualifying score was 28.5%**

+

28




AIMS RETURN ON INVESTMENT

- **AR AIMS currently receives \$450k per year from the State:**
- **$\$450k \div 11,671 = \38.57 per exam**
- **$\$450k \div 3,332 = \135.05 per QS**
- **$\$135.05$ PER QS \div 178 days of instruction Equates to A COST OF \$.76 per day**

+

29



TEACHER TESTIMONIAL

- ***“IF YOU WERE TO CREATE A PROGRAM THAT SUPPORTS A TEACHER AND PROVIDES STUDENTS WITH TEST AND CLASS PREP, THIS WOULD BE IT,”***

CASEY WOODS,
AP BIOLOGY TEACHER
BEEBE HIGH SCHOOL

+

30