Superintendent's Leadership Institute

Leadership:

- **Reimagining Schools**
- **Re-inspiring Teaching**
- **Transforming Education**

Superintendent's State of the State

West Virginia Department of EDUCATION

GLOBAL21

- Access a copy of Dr. Paine's PowerPoint http://wvde.state.wv.us/downloads.html

Valued Student Outcomes

- Quality and Equity in Student Achievement
- High School Graduation for All
- Preparation for College and Careers
- Proficiency in 21st Century Skills

Student Achievement

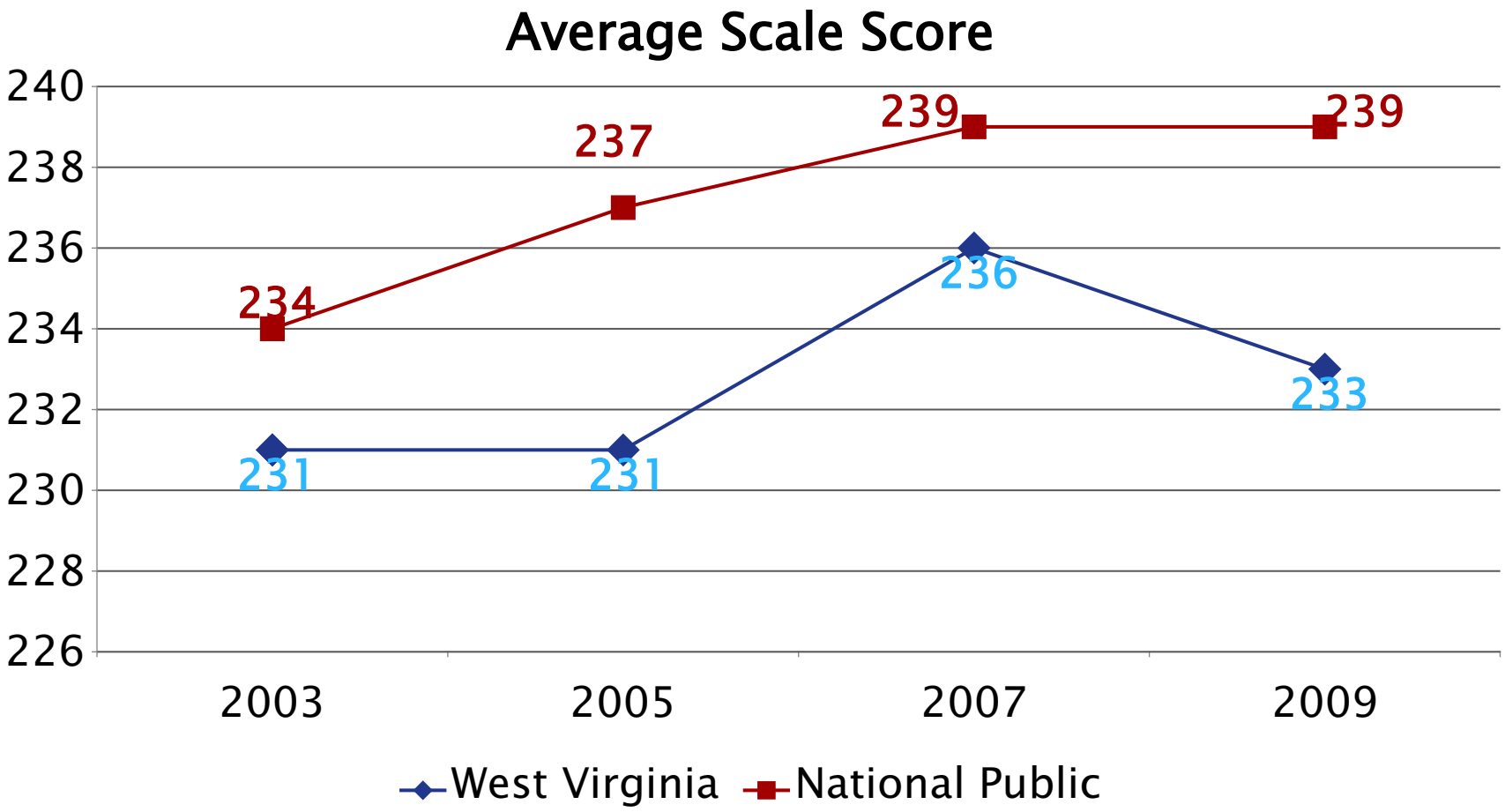
Literacy and Numeracy

NAEP Results

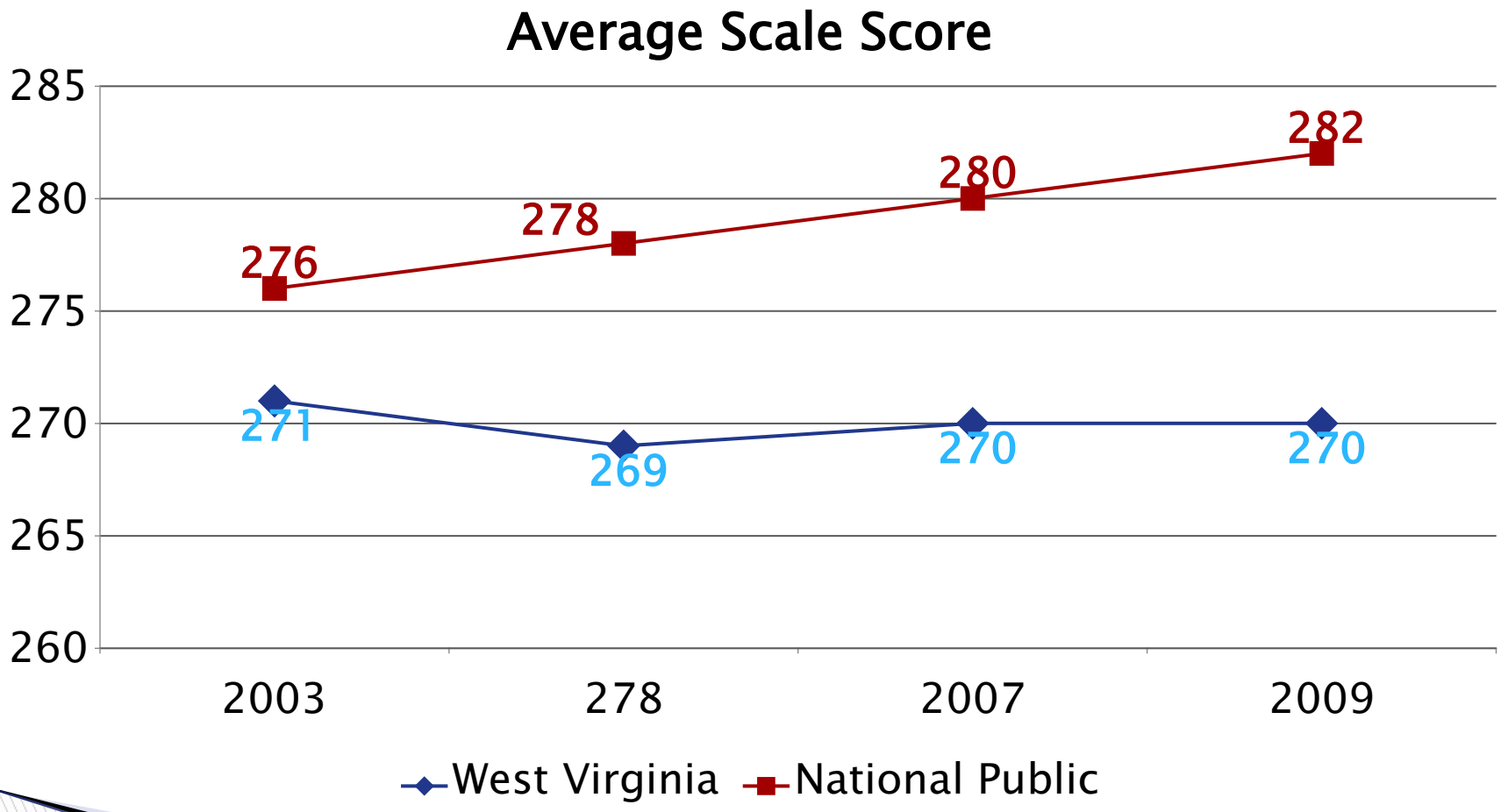
Comparison of West Virginia to National Public 2003 to 2009

NAEP Average Scale Score

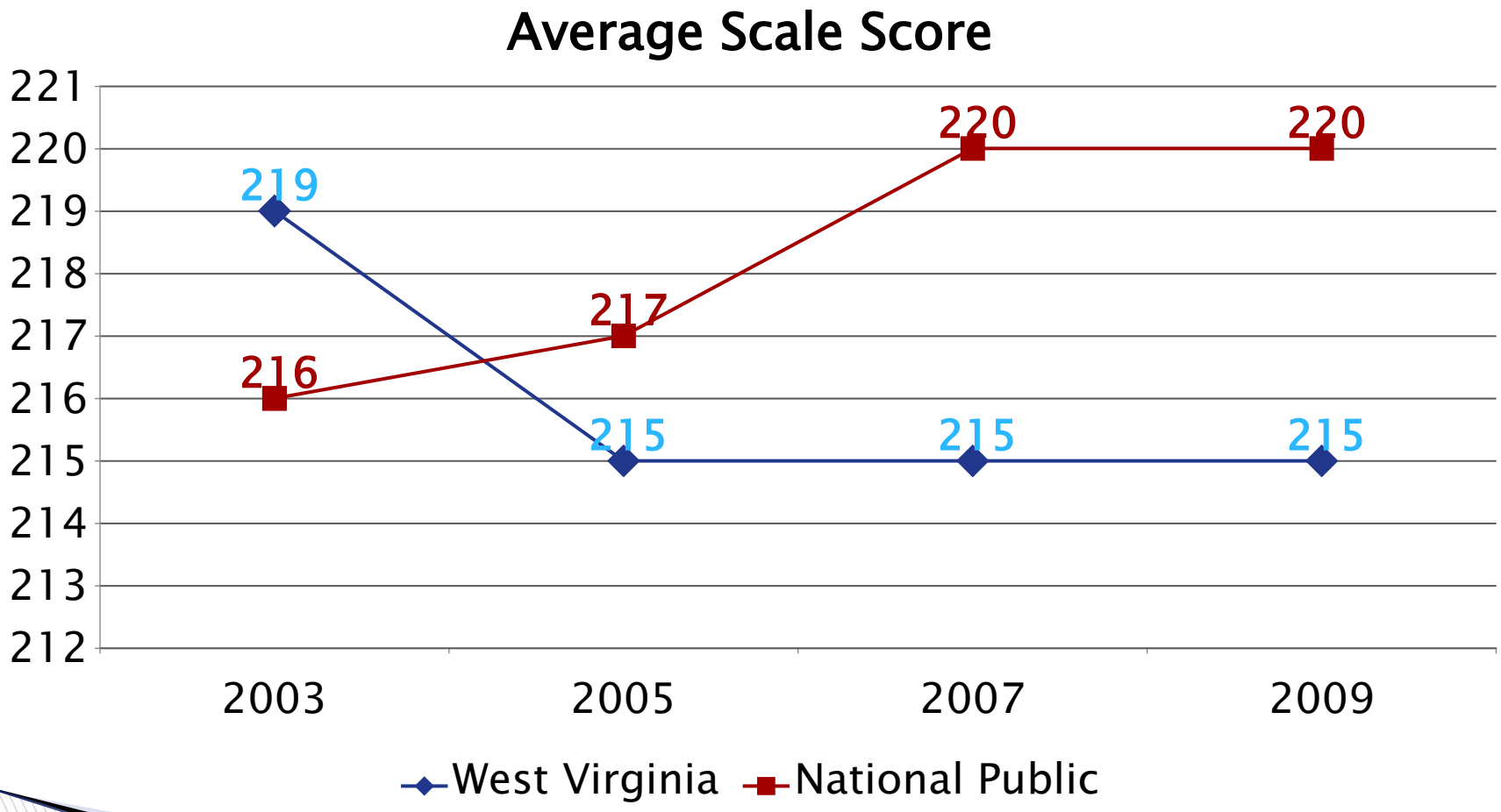
NAEP Mathematics Grade 4



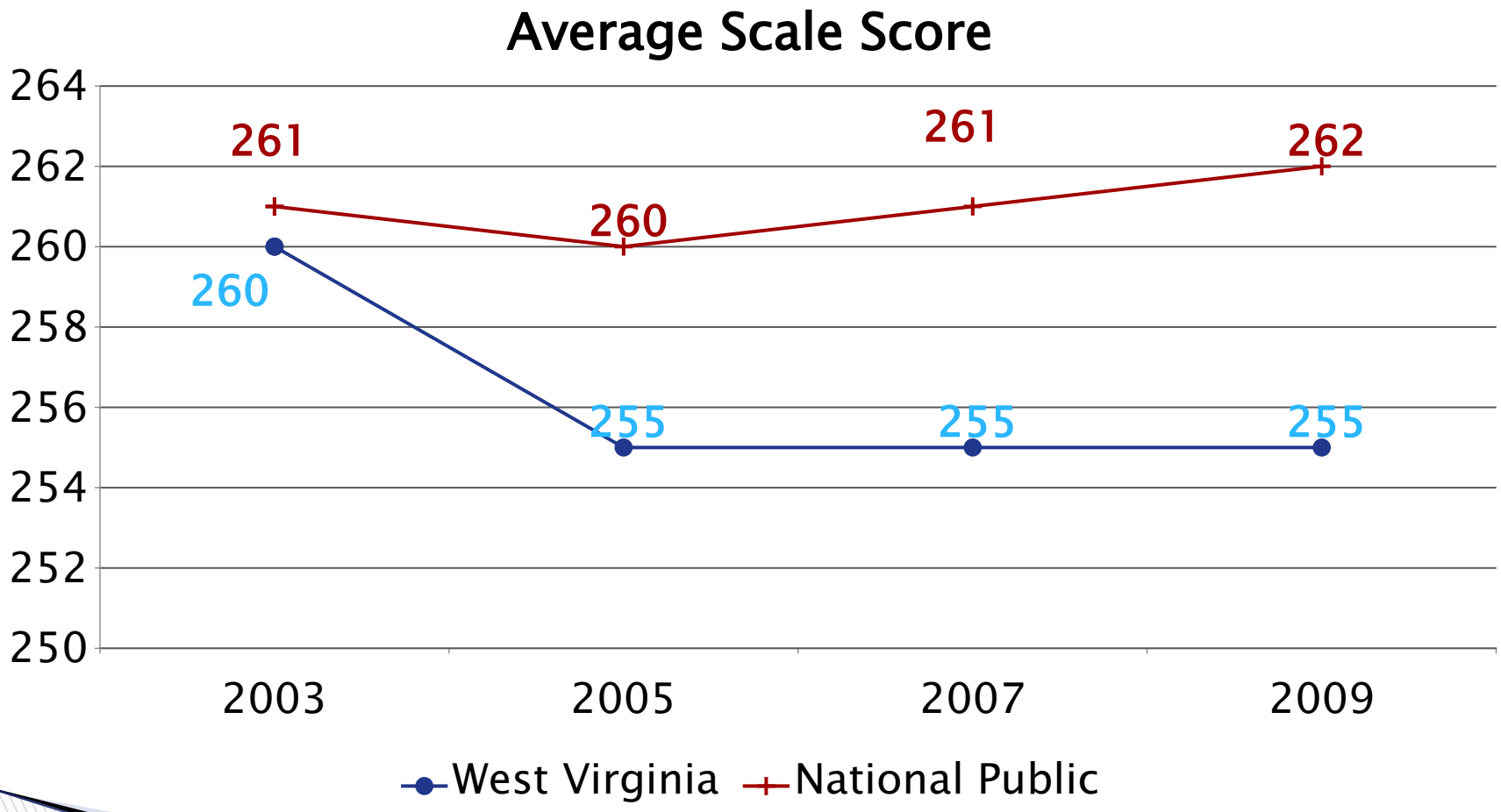
NAEP Mathematics Grade 8



NAEP Reading
Grade 4



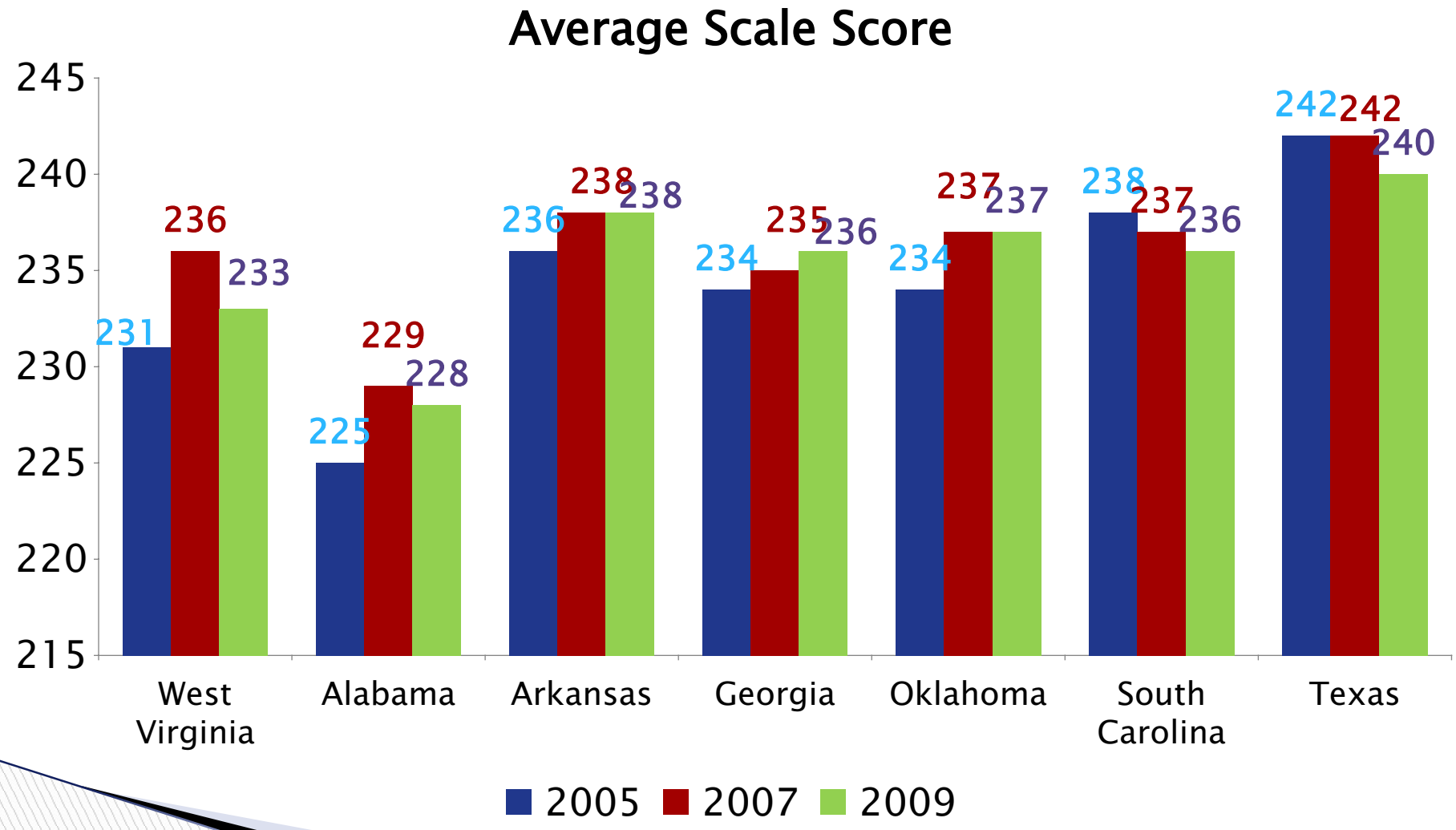
NAEP Reading
Grade 8



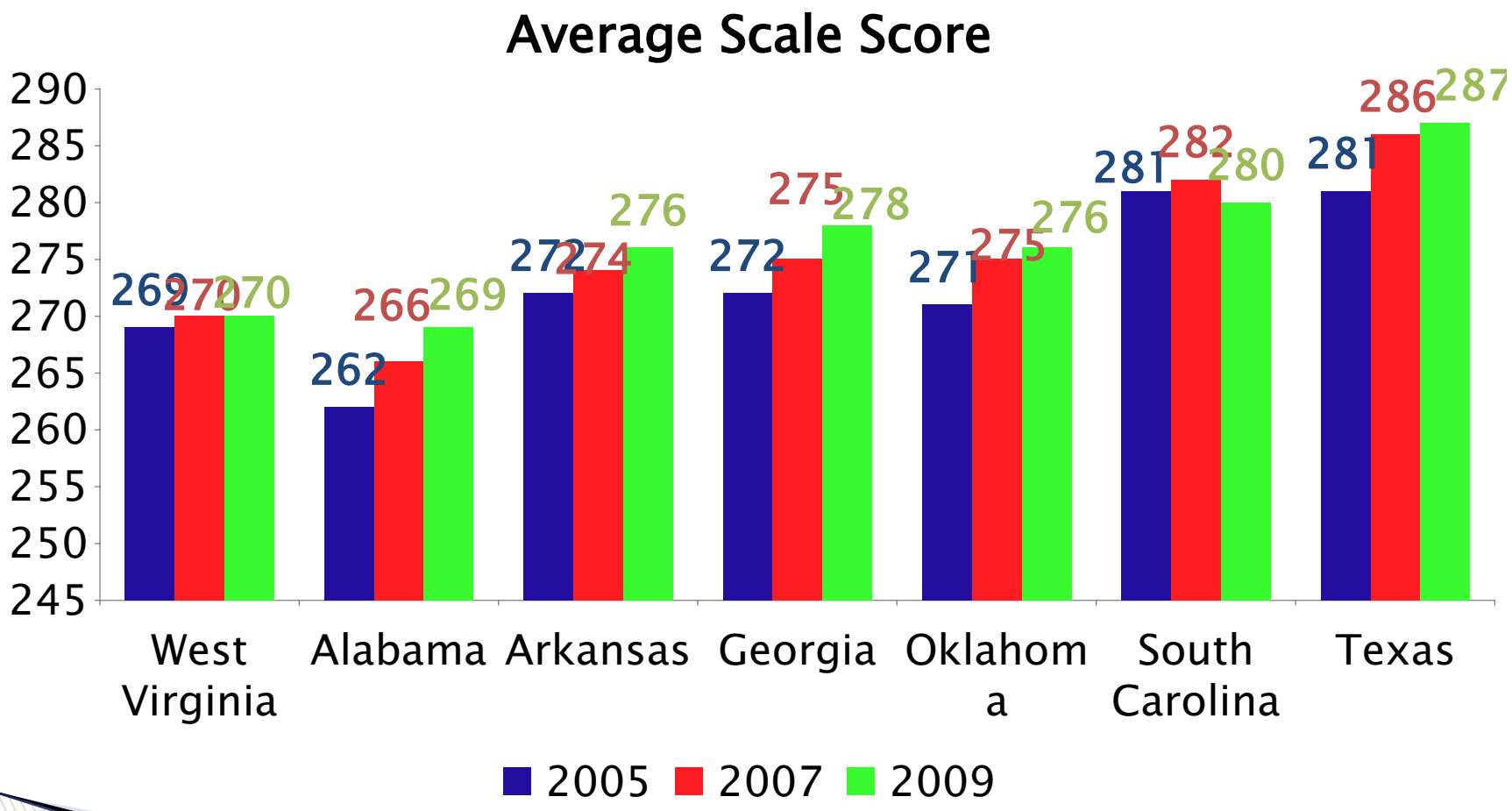
Comparison of West Virginia and states with similar percentage eligible for national school lunch program

NAEP Average Scale Score

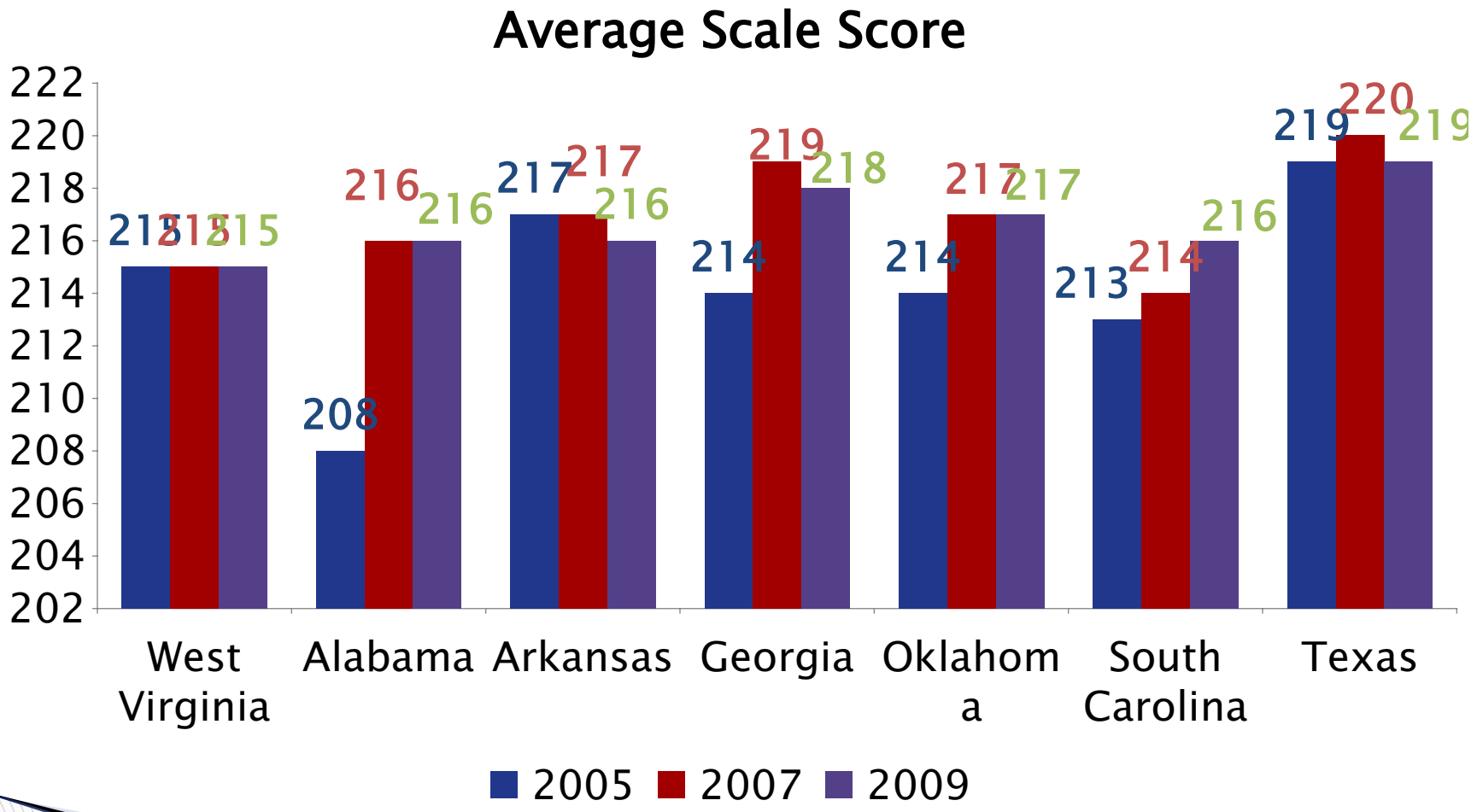
NAEP Mathematics Grade 4



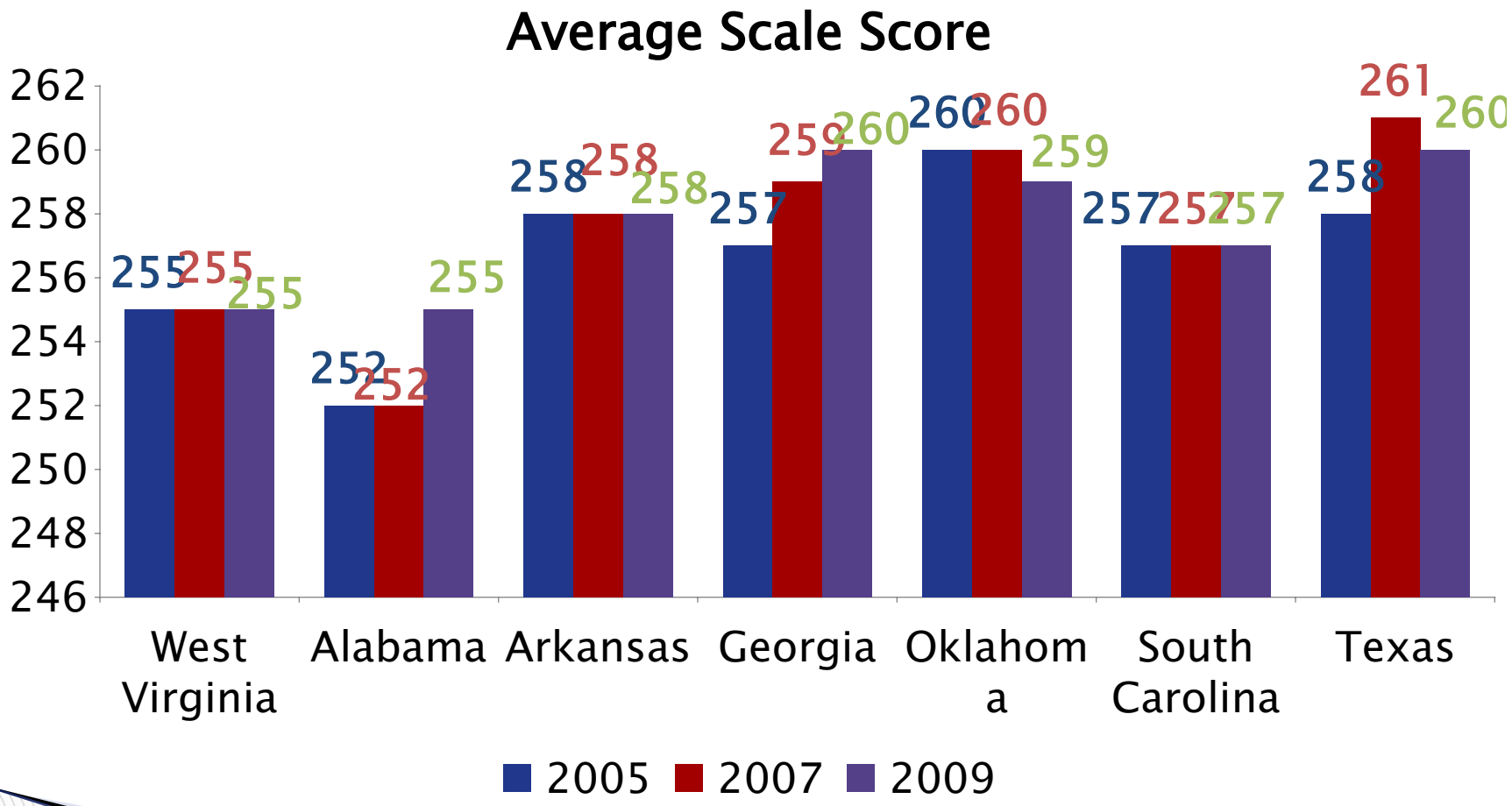
NAEP Mathematics Grade 8



NAEP Reading Grade 4



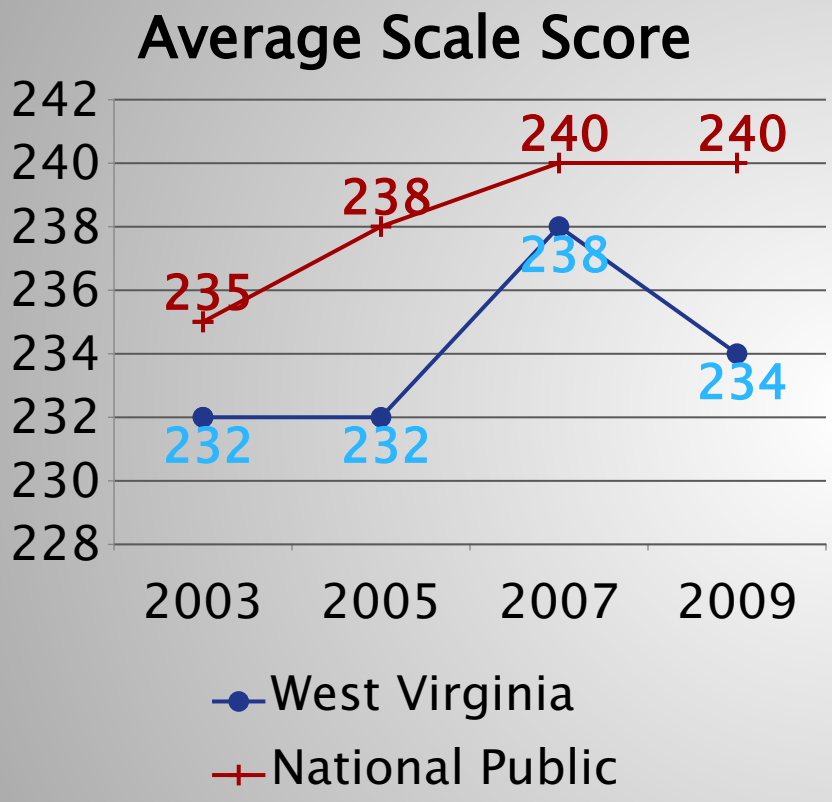
NAEP Reading Grade 8



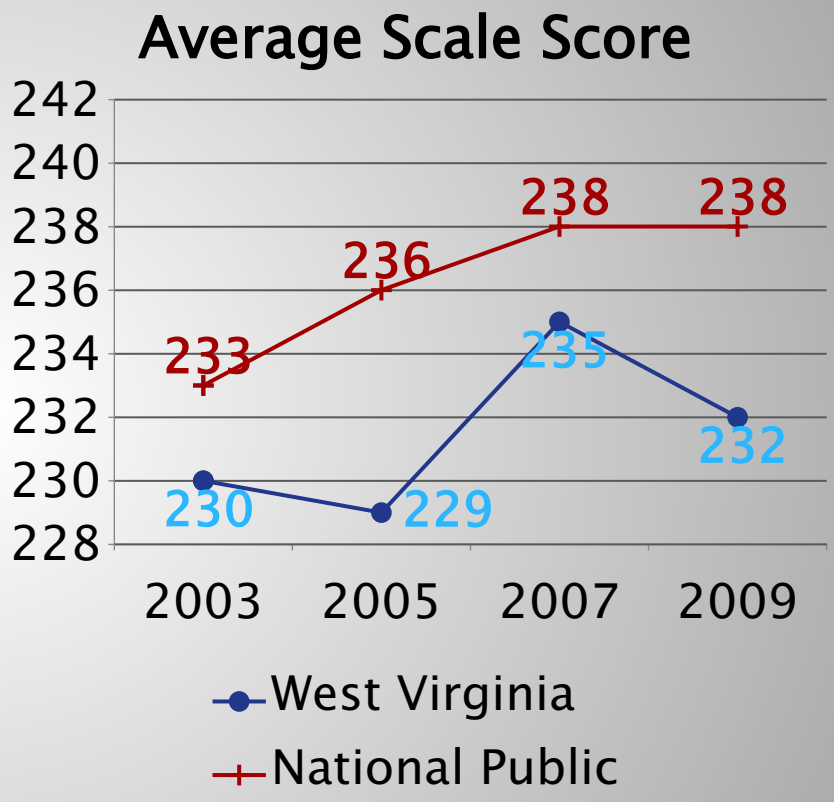
Comparison of West Virginia to National Public -- gender

NAEP Average Scale Score

NAEP Mathematics Grade 4

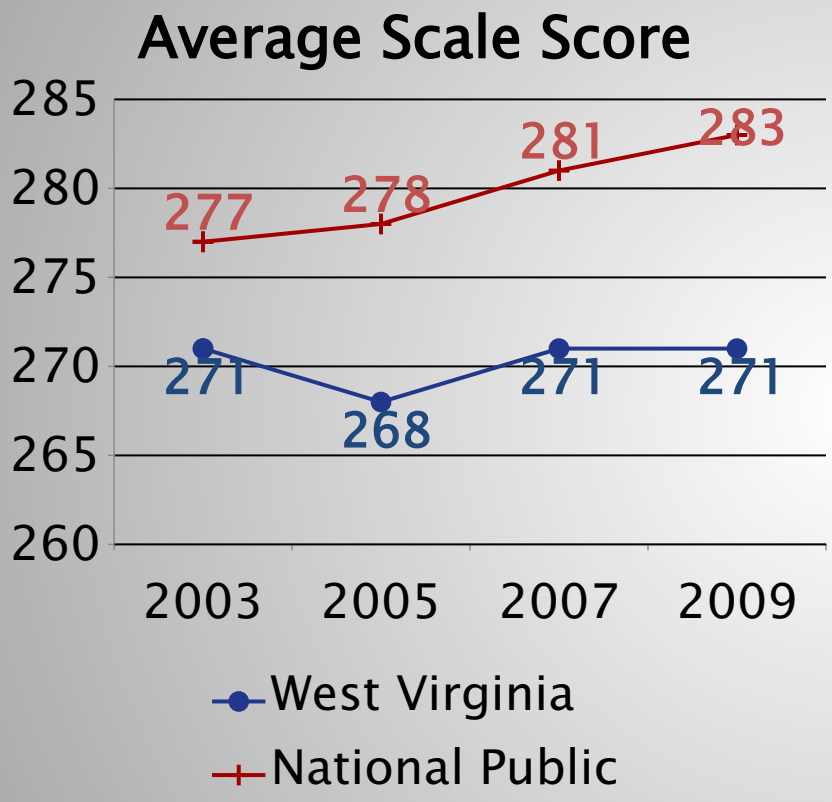


Male



Female

NAEP Mathematics Grade 8



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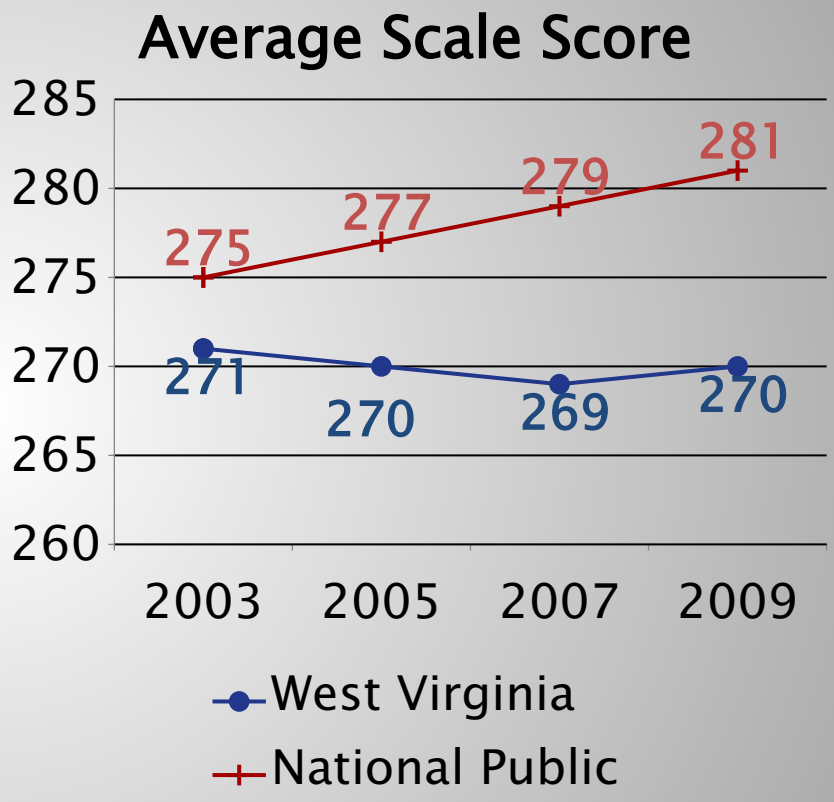
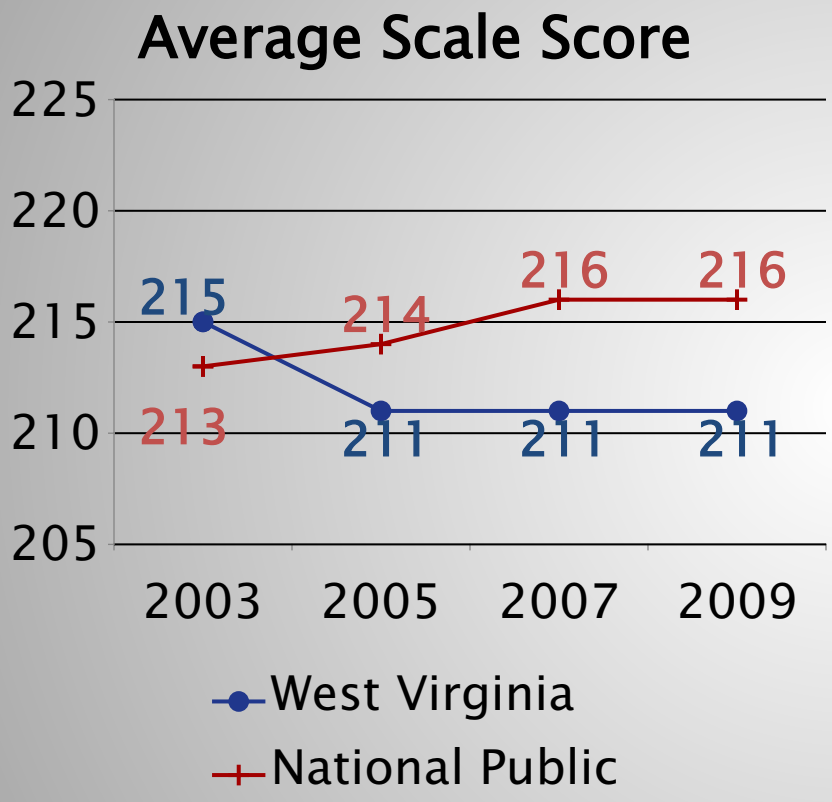


Female

NAEP Reading Grade 4



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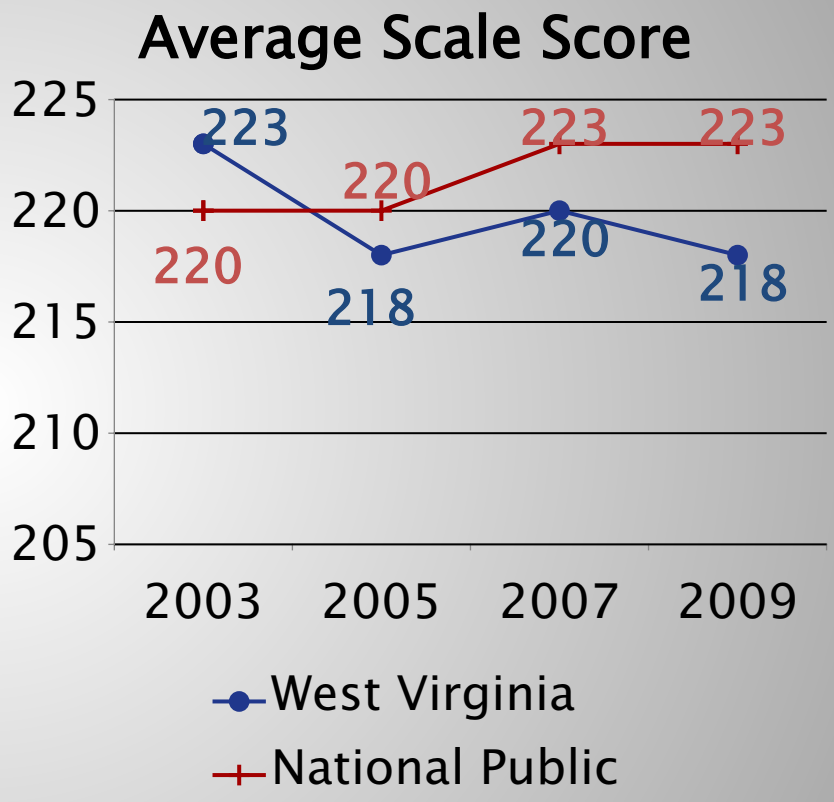
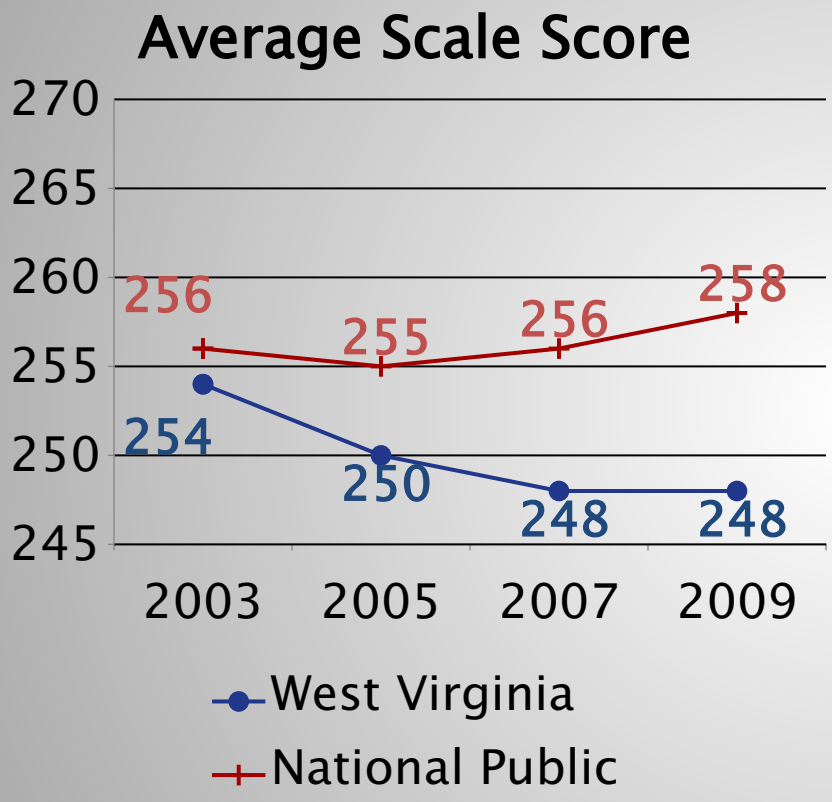


Female

NAEP Reading Grade 8



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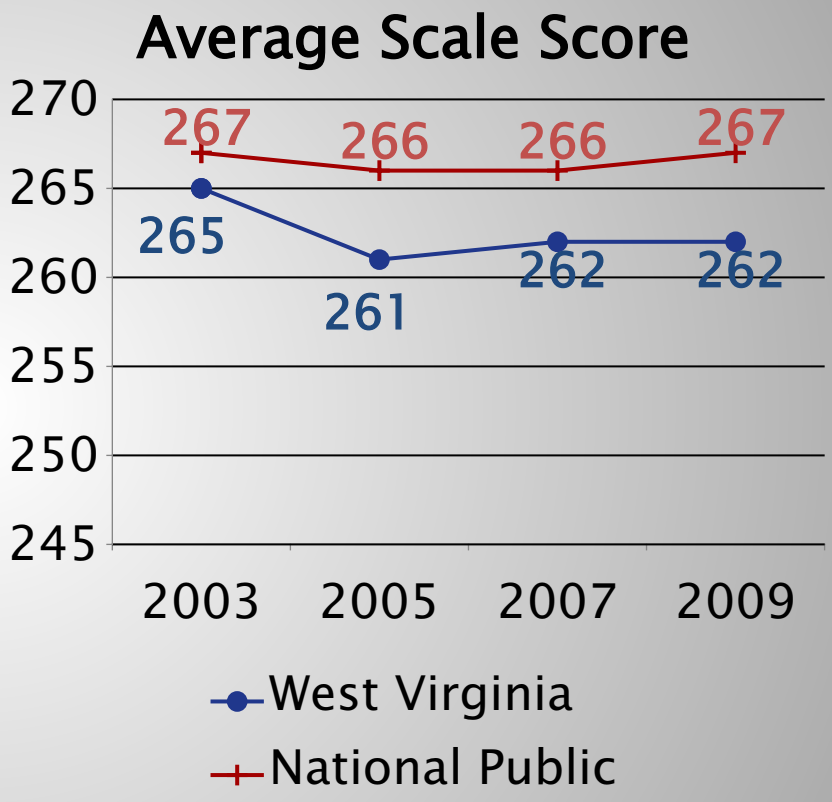
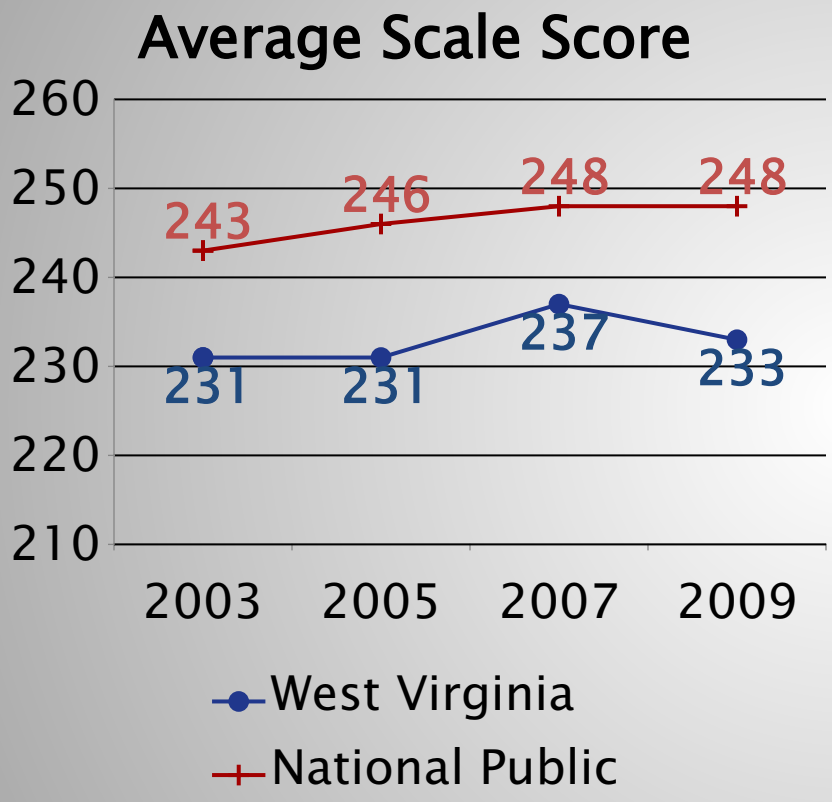


Female

Comparison of West Virginia and National Public -- race

NAEP Average Scale Score

NAEP Mathematics Grade 4



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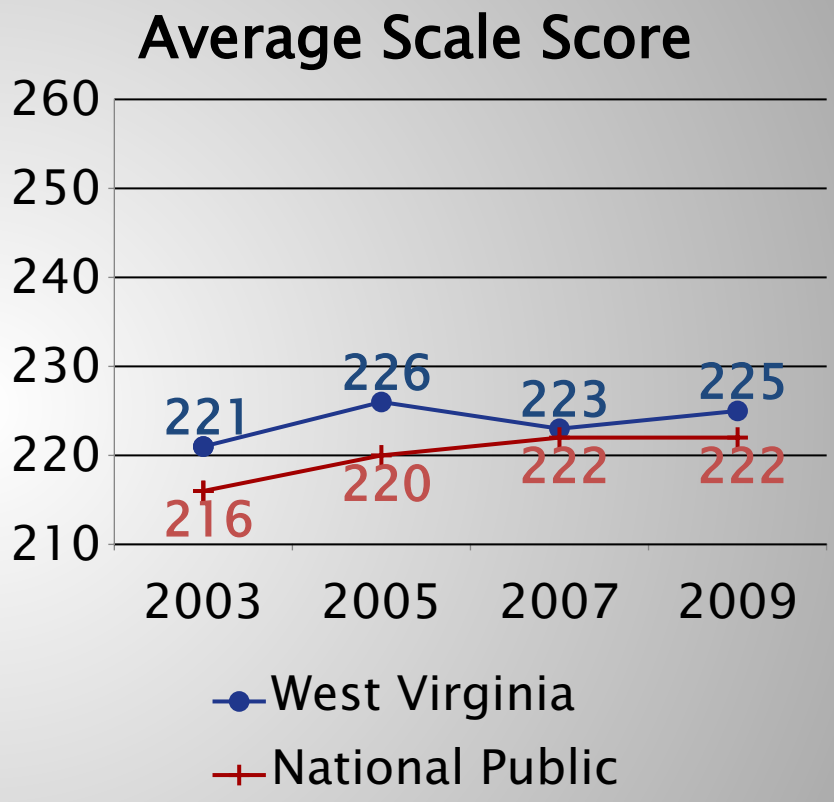
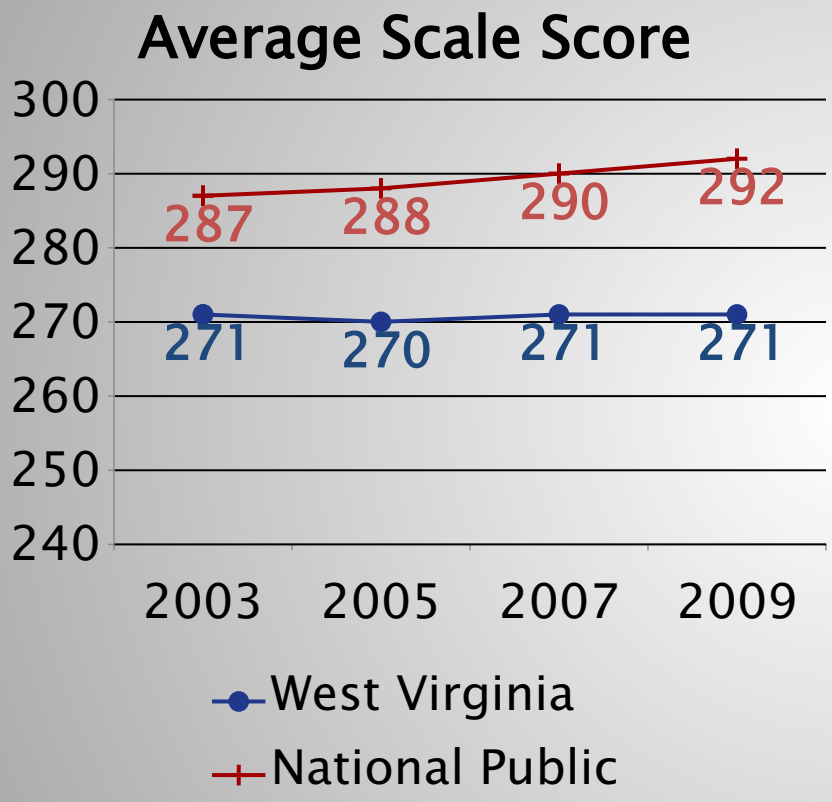
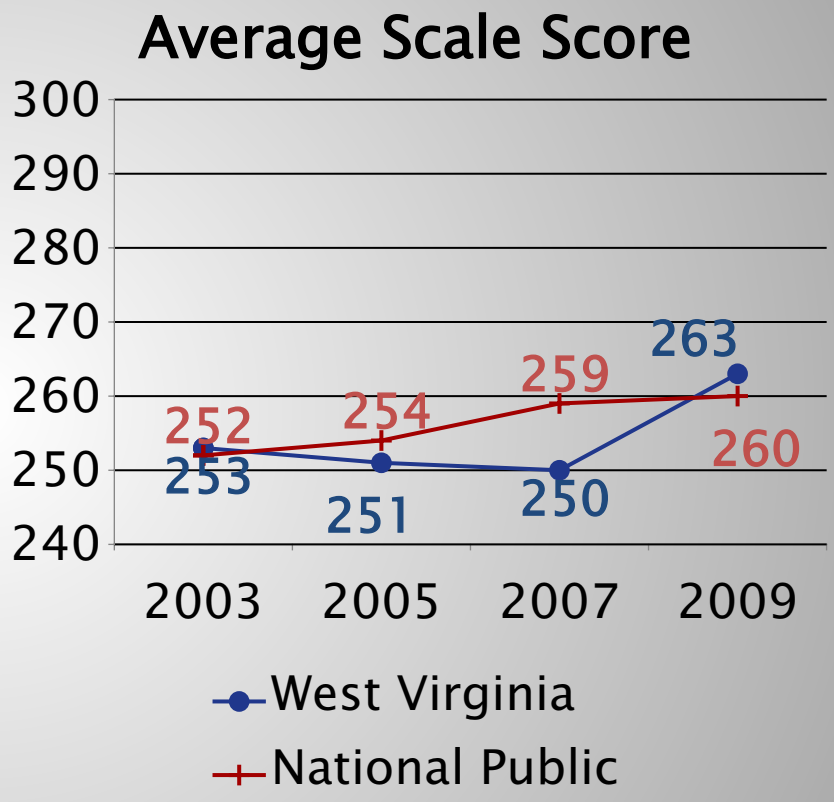


Black

NAEP Mathematics Grade 8





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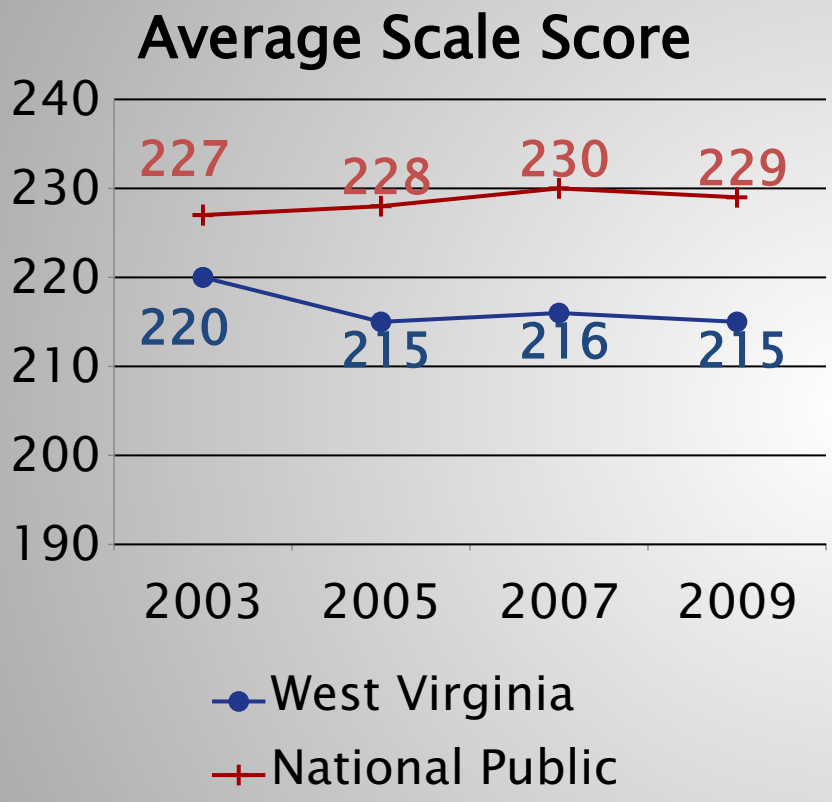
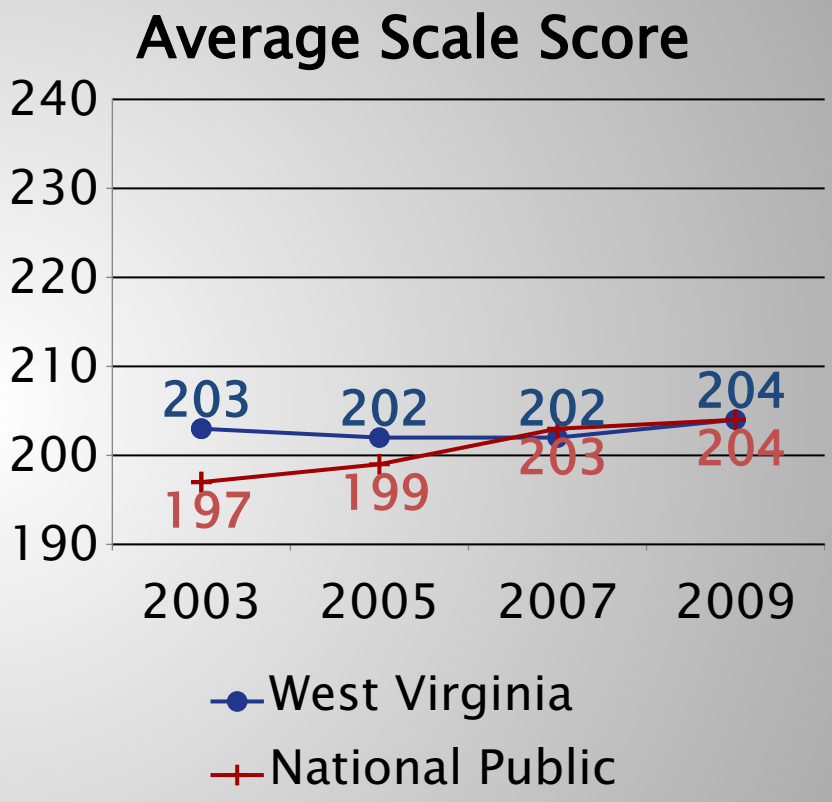
Black

NAEP Reading Grade 4

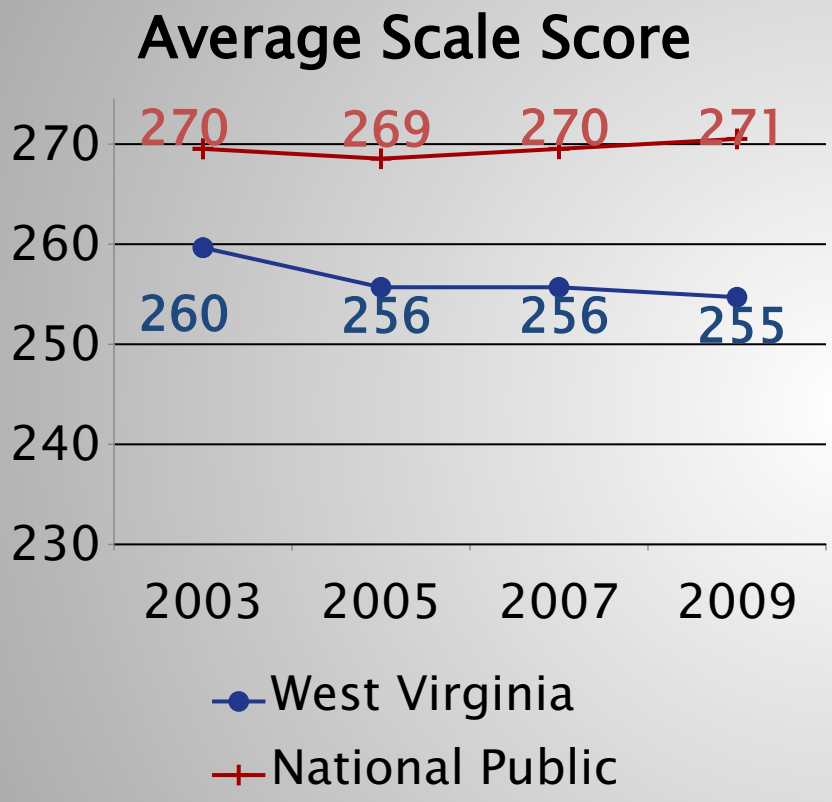




White

Black

NAEP Reading Grade 8



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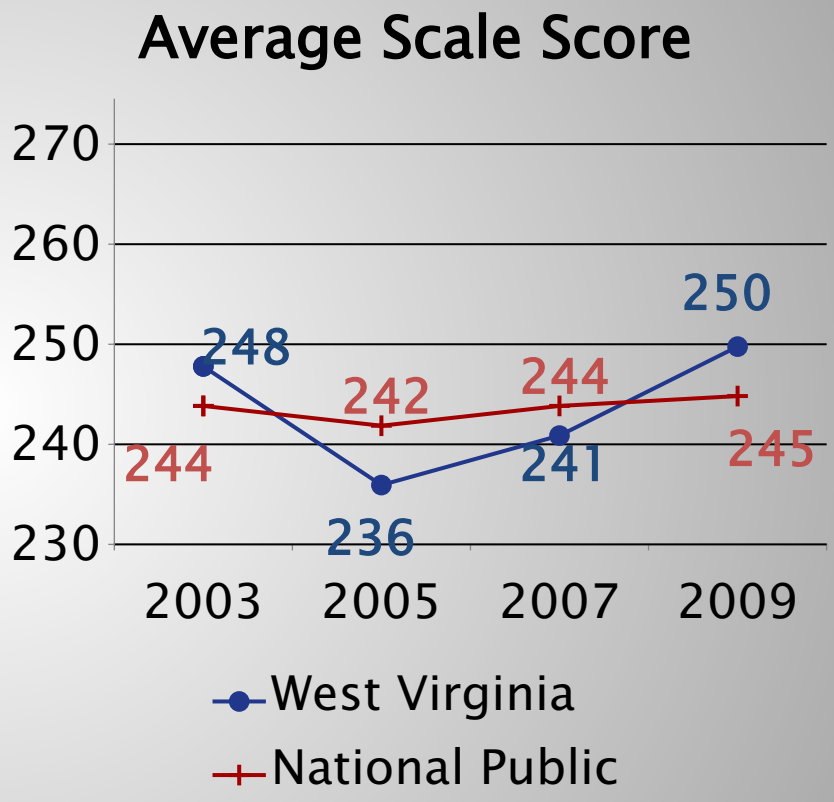
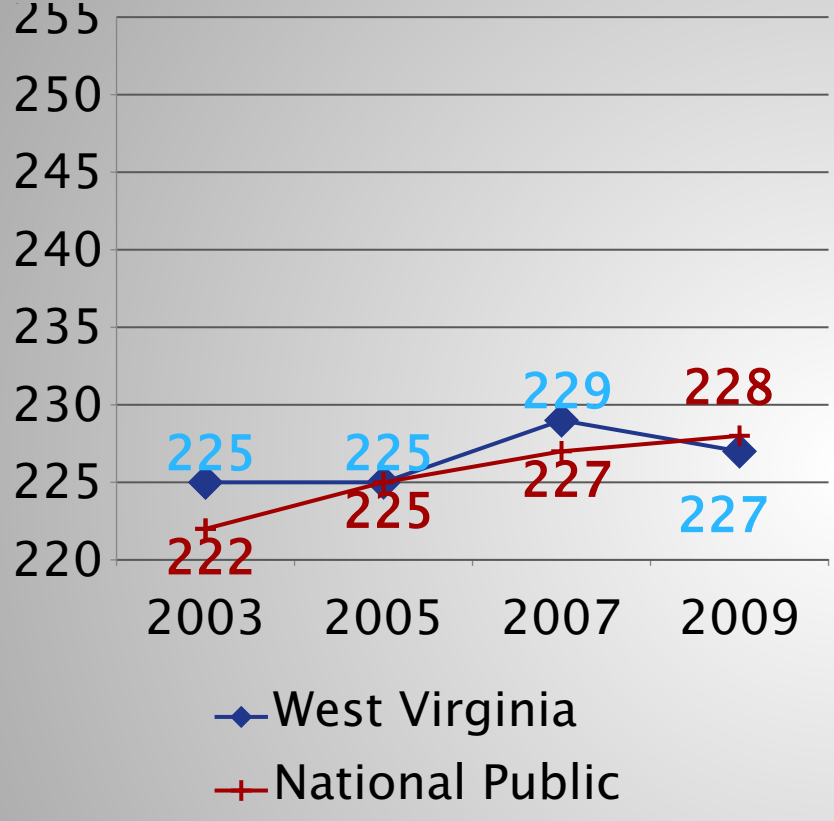


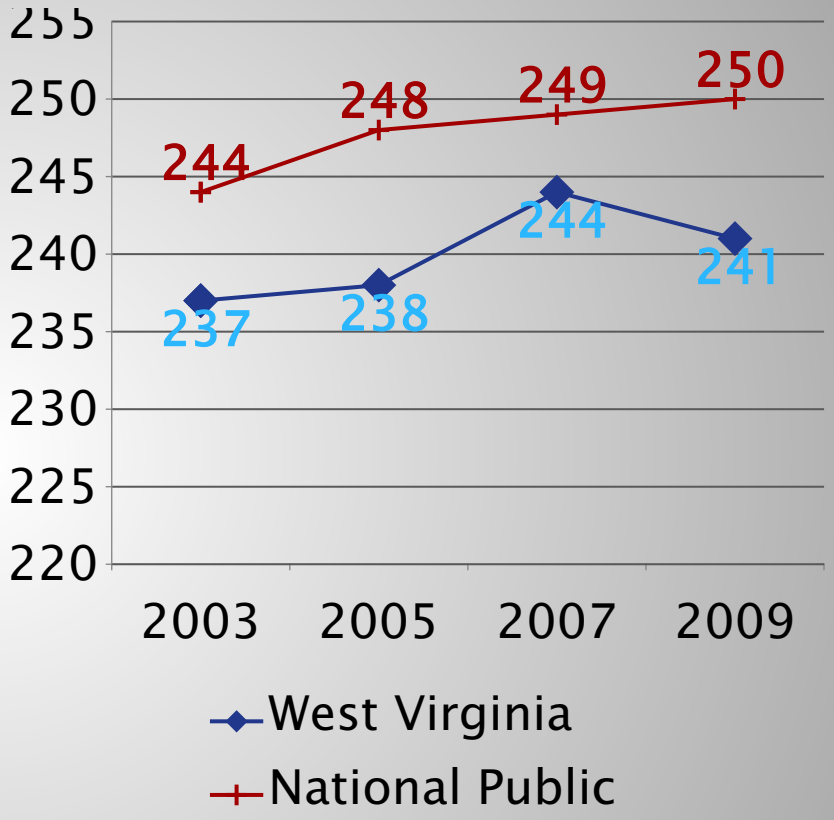
Black

Comparison of West Virginia to National Public – socioeconomic status

NAEP Average Scale Score

NAEP Mathematics Grade 4

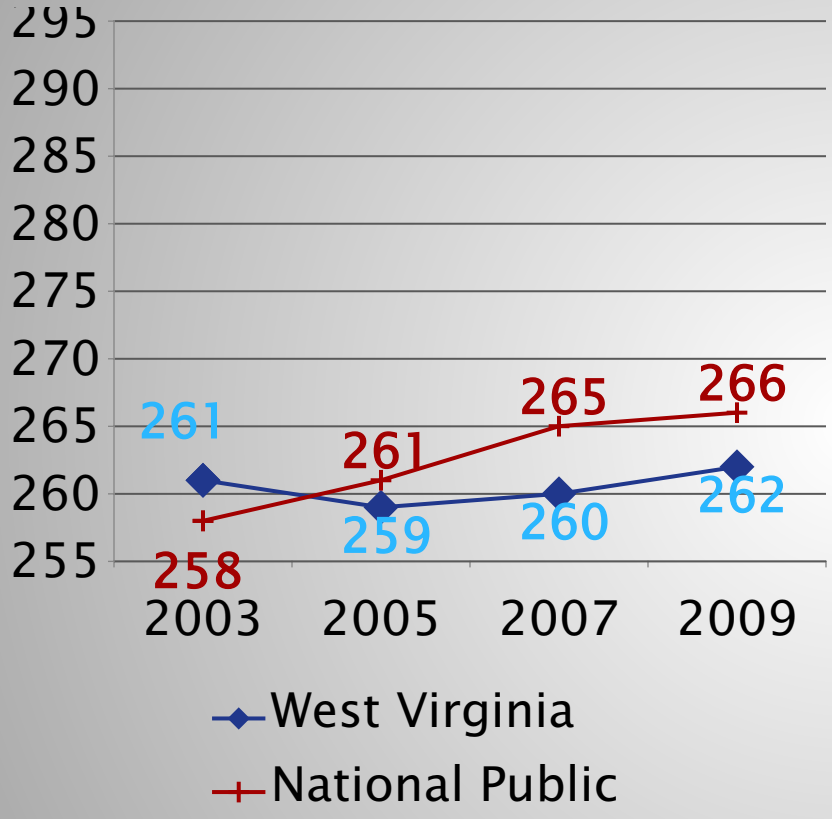




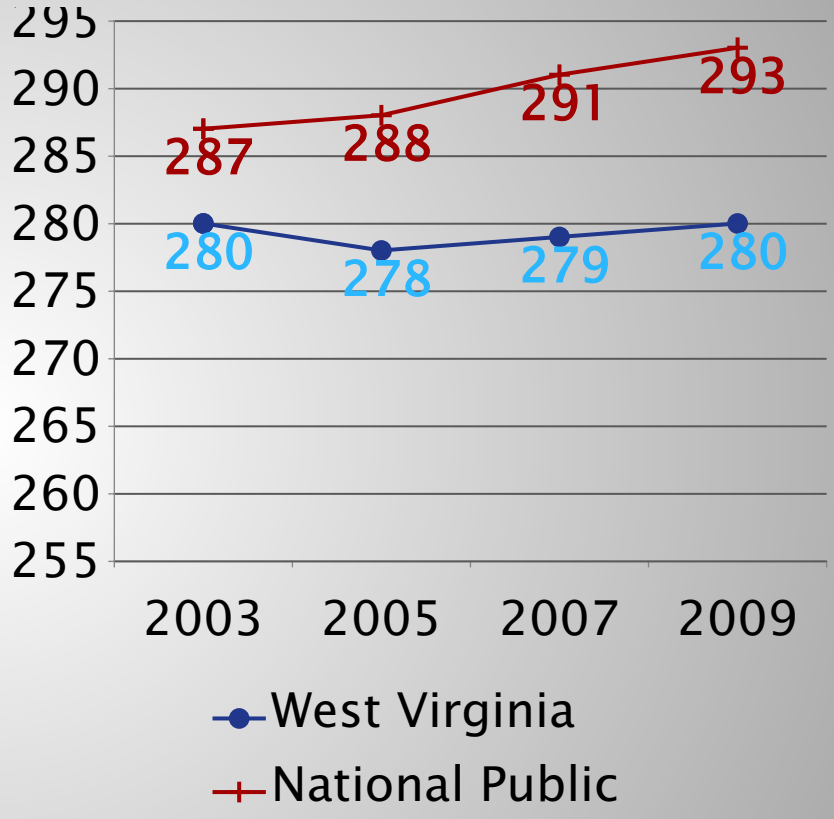
Eligible

Not Eligible

NAEP Mathematics Grade 8

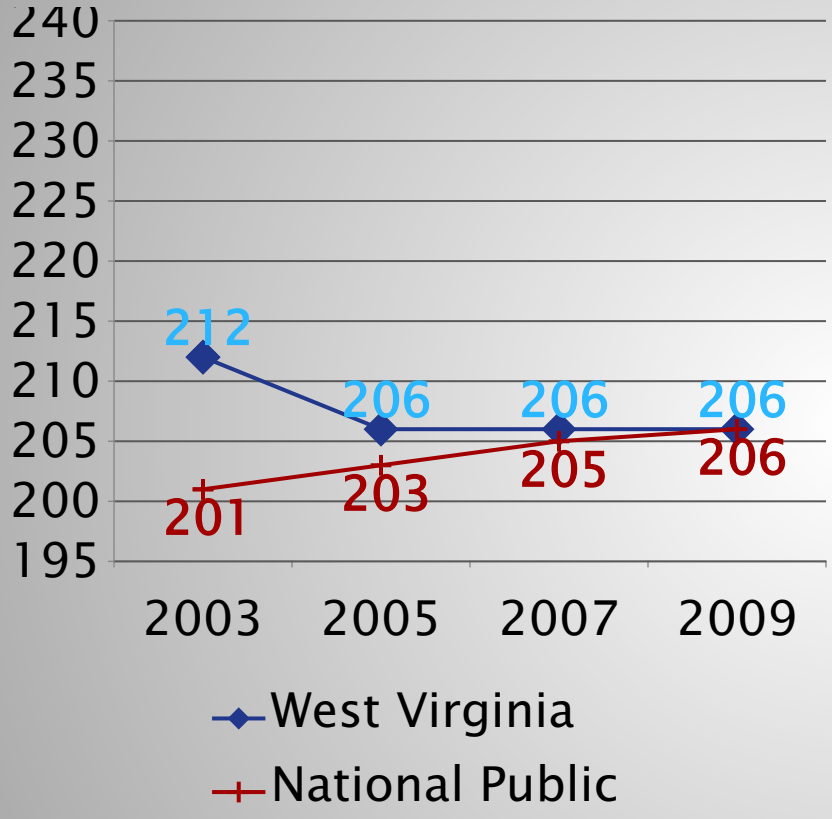


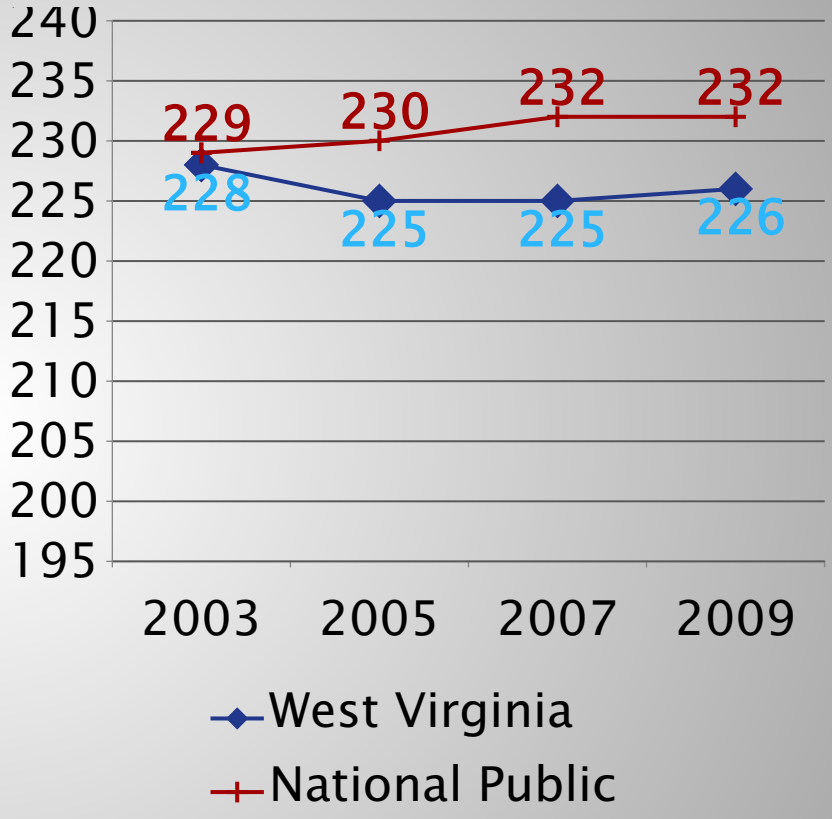
Eligible



Not Eligible

NAEP Reading Grade 4

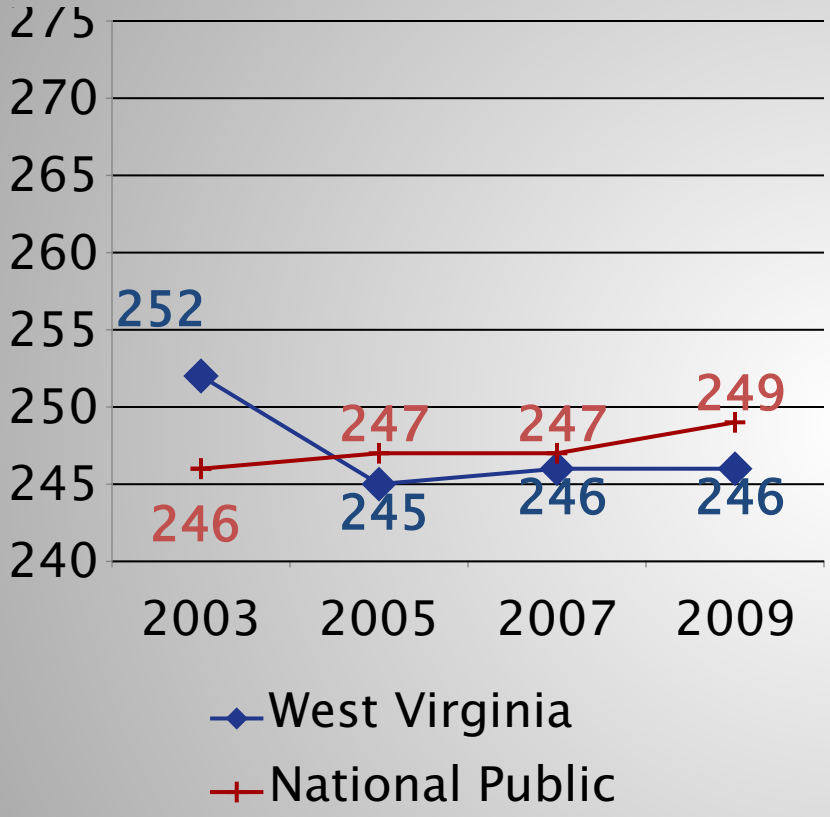




Eligible

Not Eligible

NAEP Reading Grade 8



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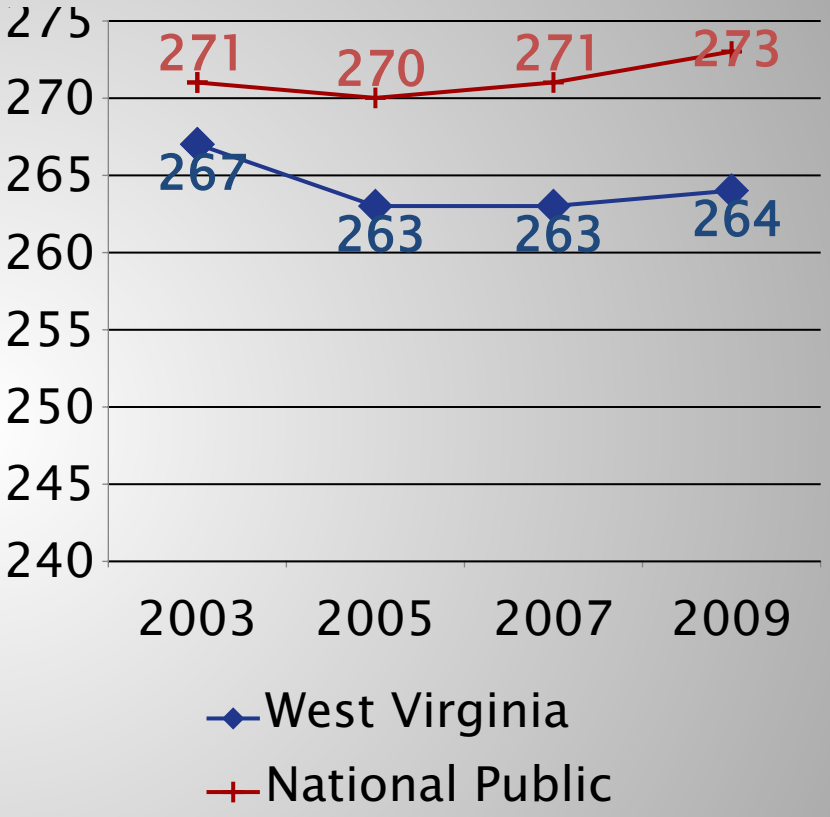
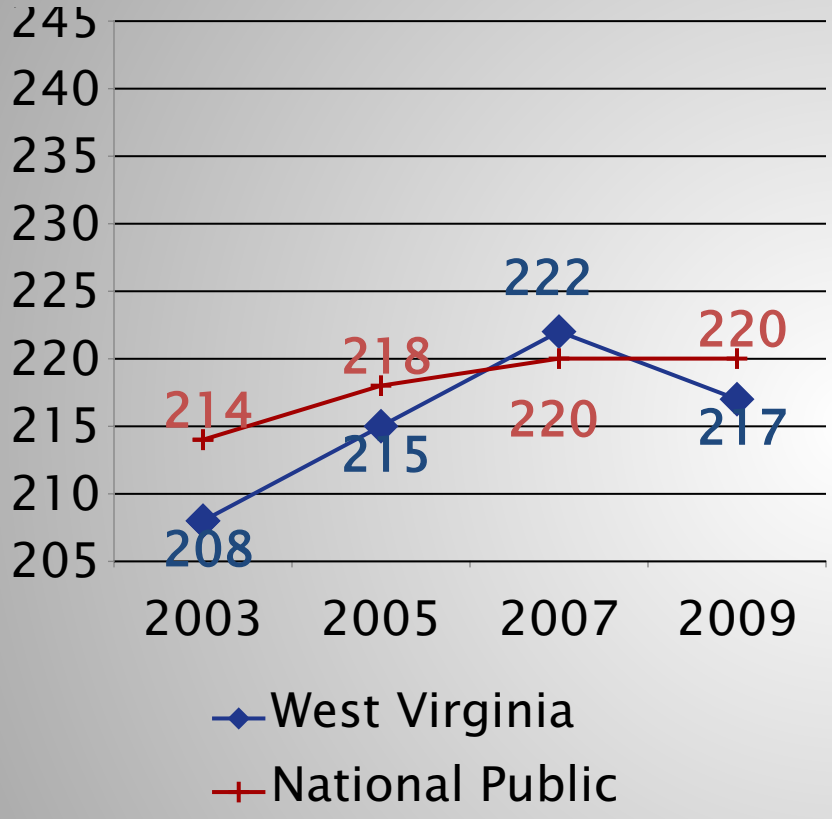


Not Eligible

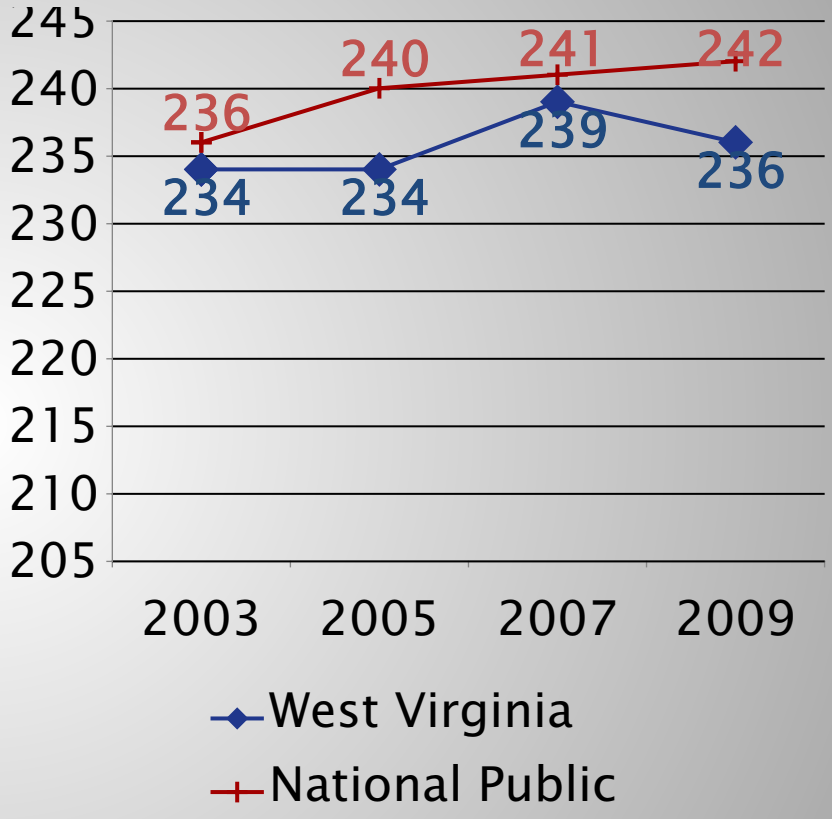
Comparison of West Virginia to National Public – students with disabilities (IEP and 504 Plan)

NAEP Average Scale Score

NAEP Mathematics Grade 4

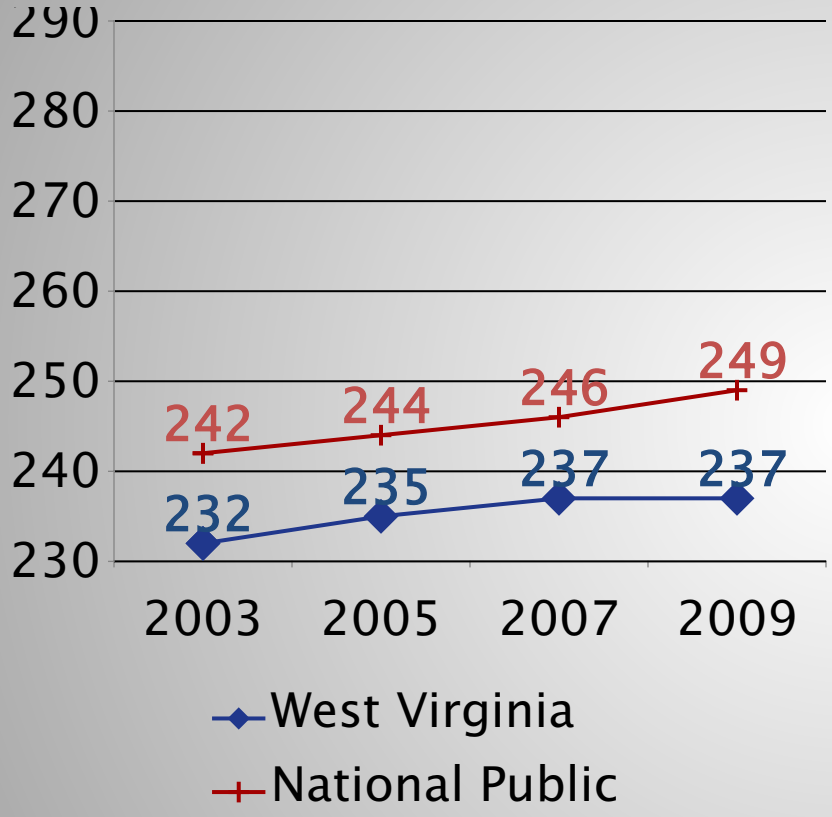


SD

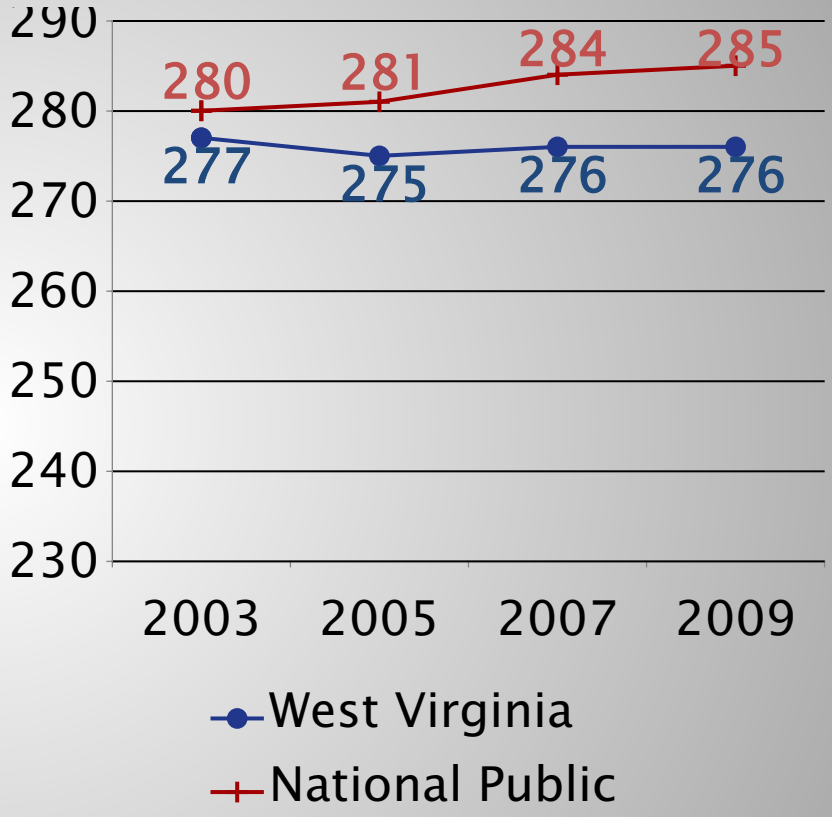


Not SD

NAEP Mathematics Grade 8



SD



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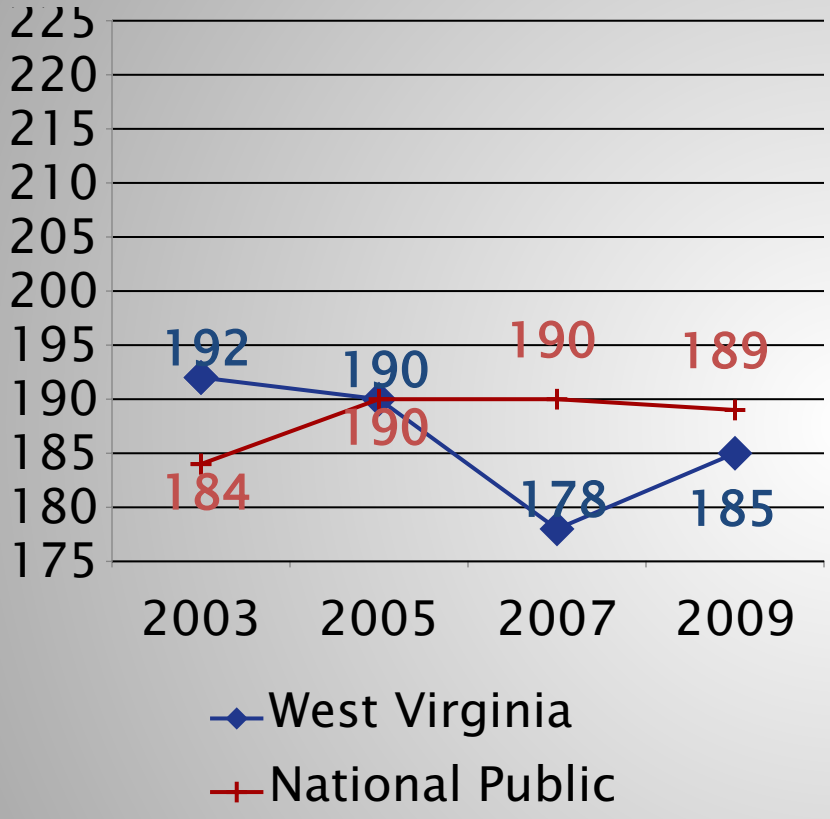
NAEP Reading Grade 4



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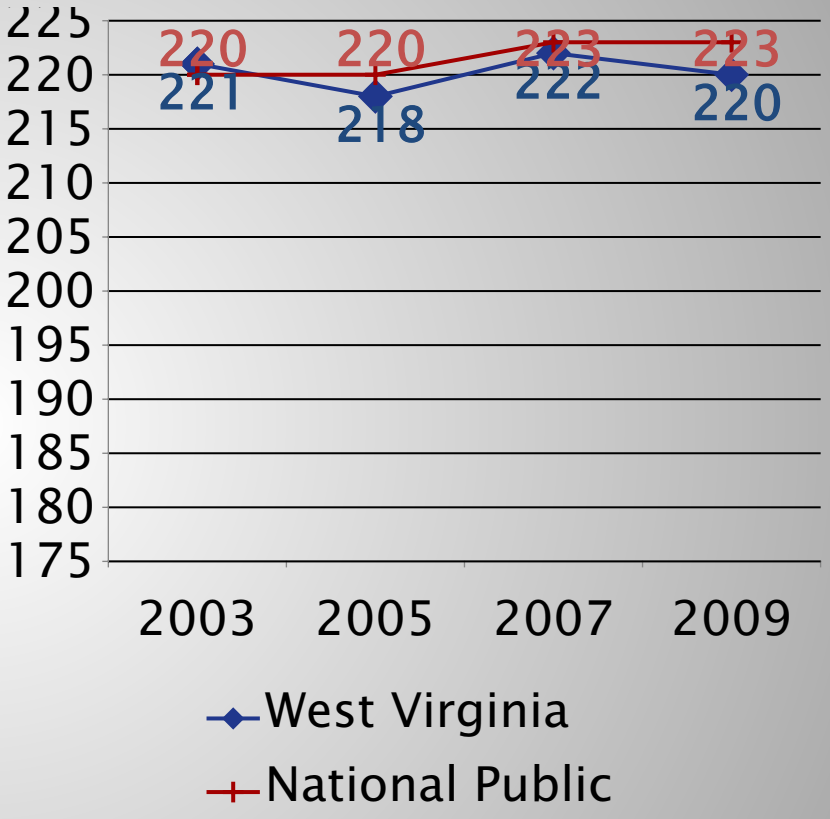

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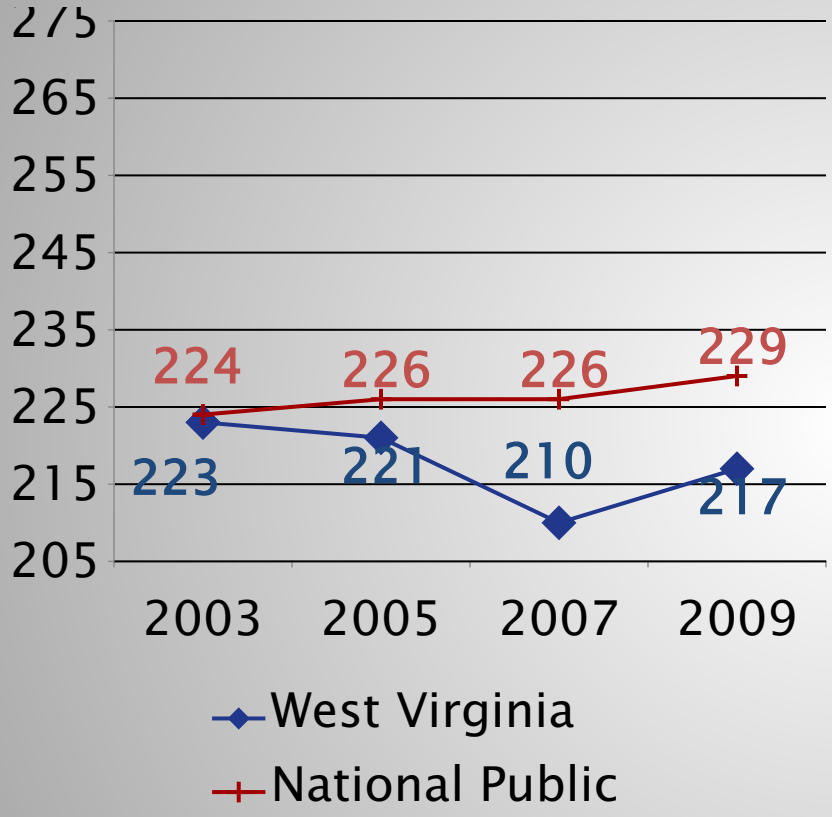
NAEP Reading Grade 8



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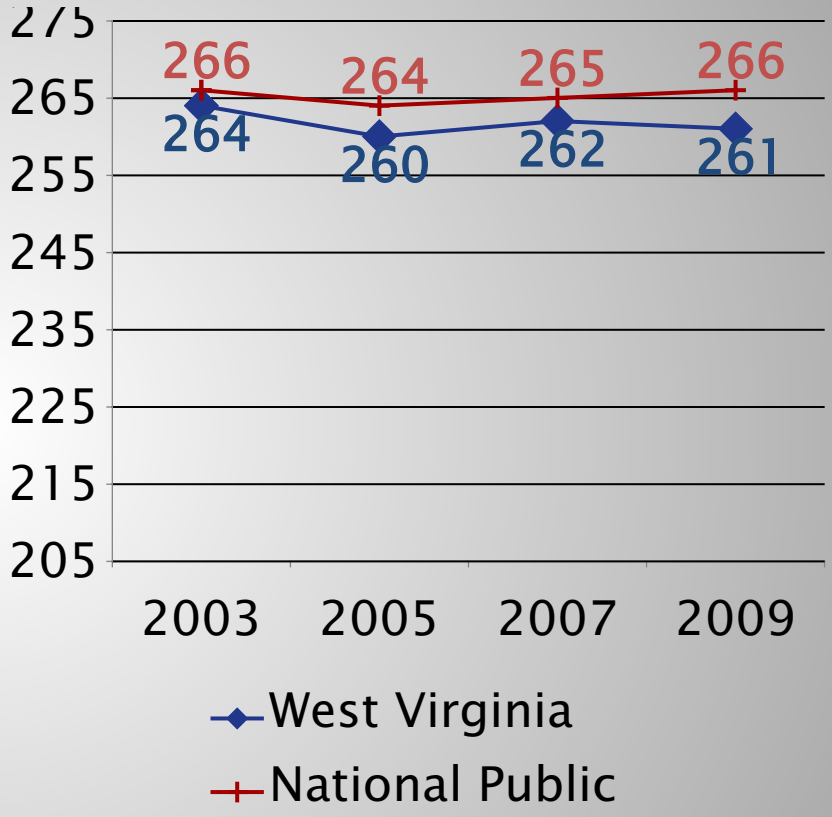
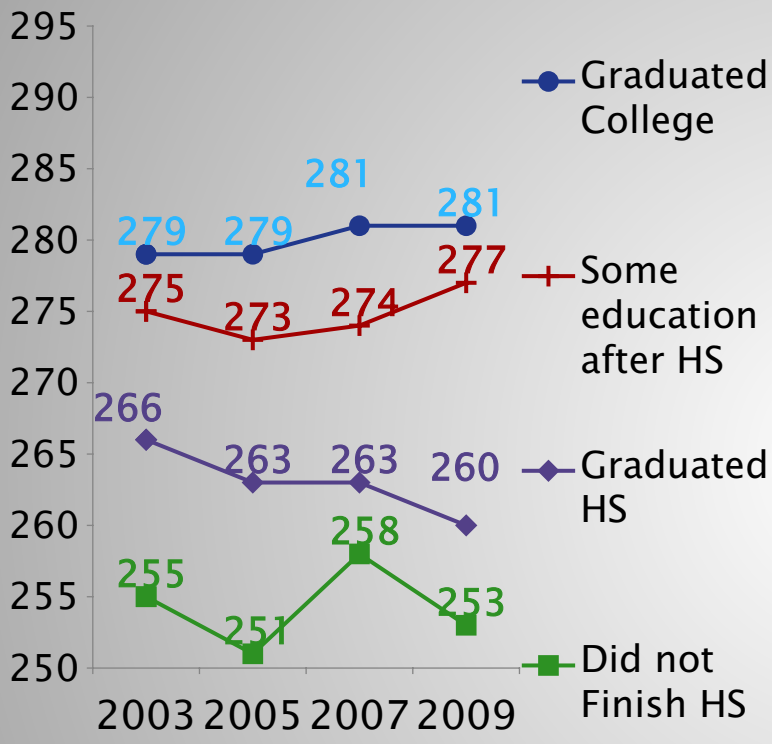


Not SD

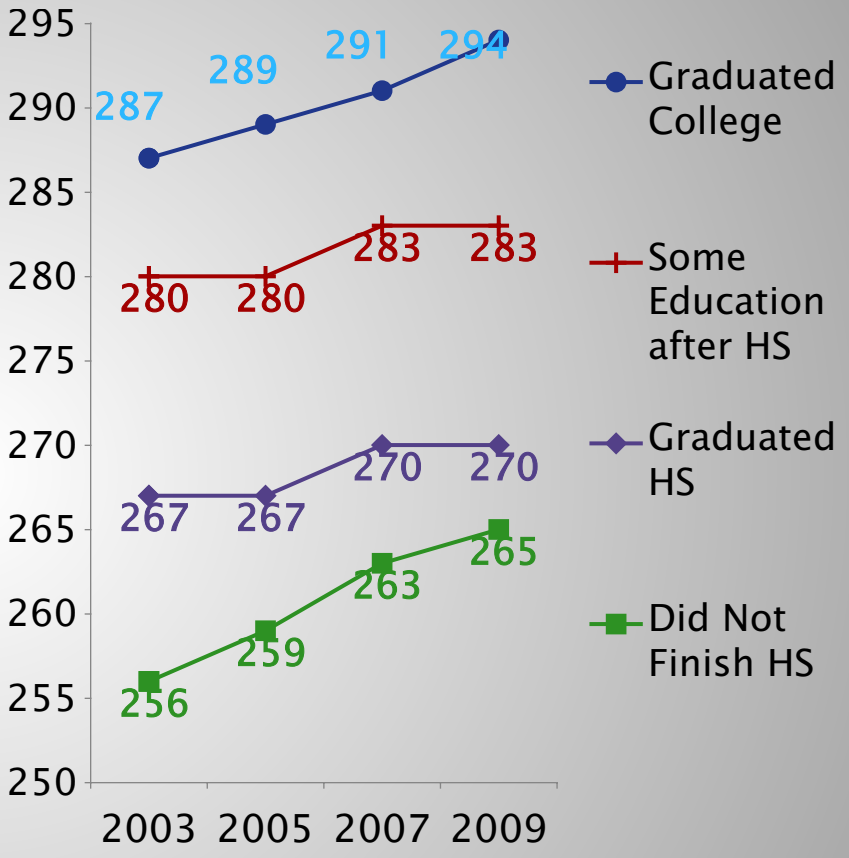
Comparison of West Virginia to National Public – 8th grade parental education level

NAEP Average Scale Scores

NAEP Mathematics Grade 8

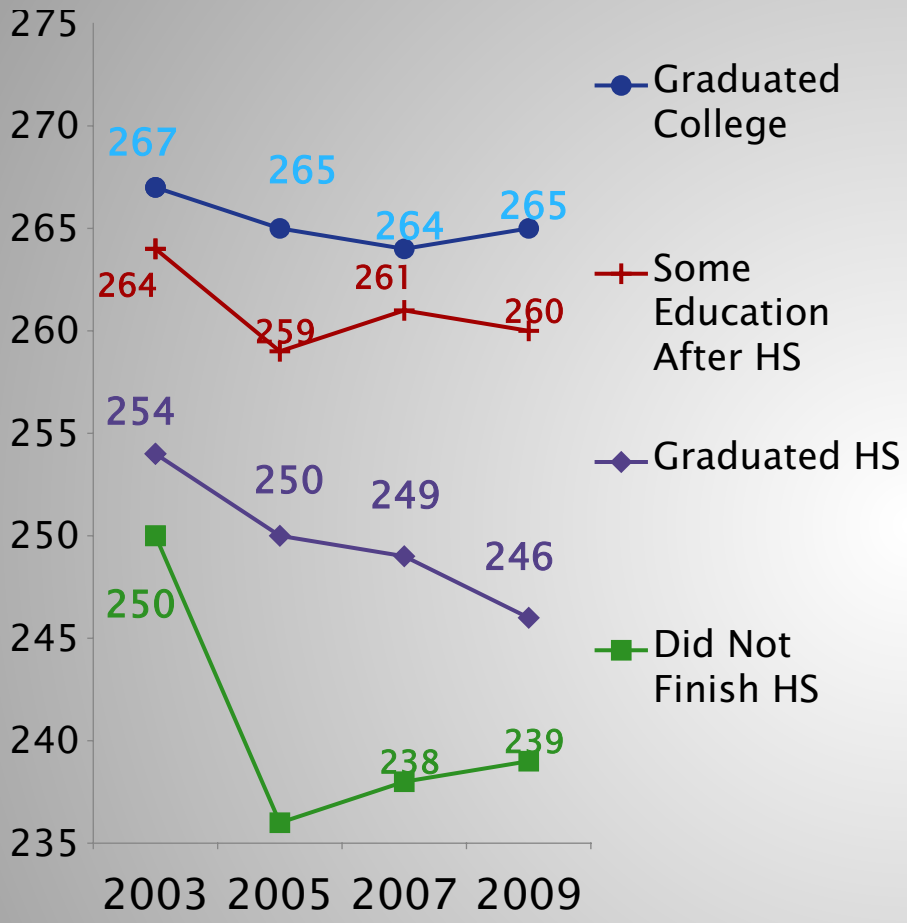


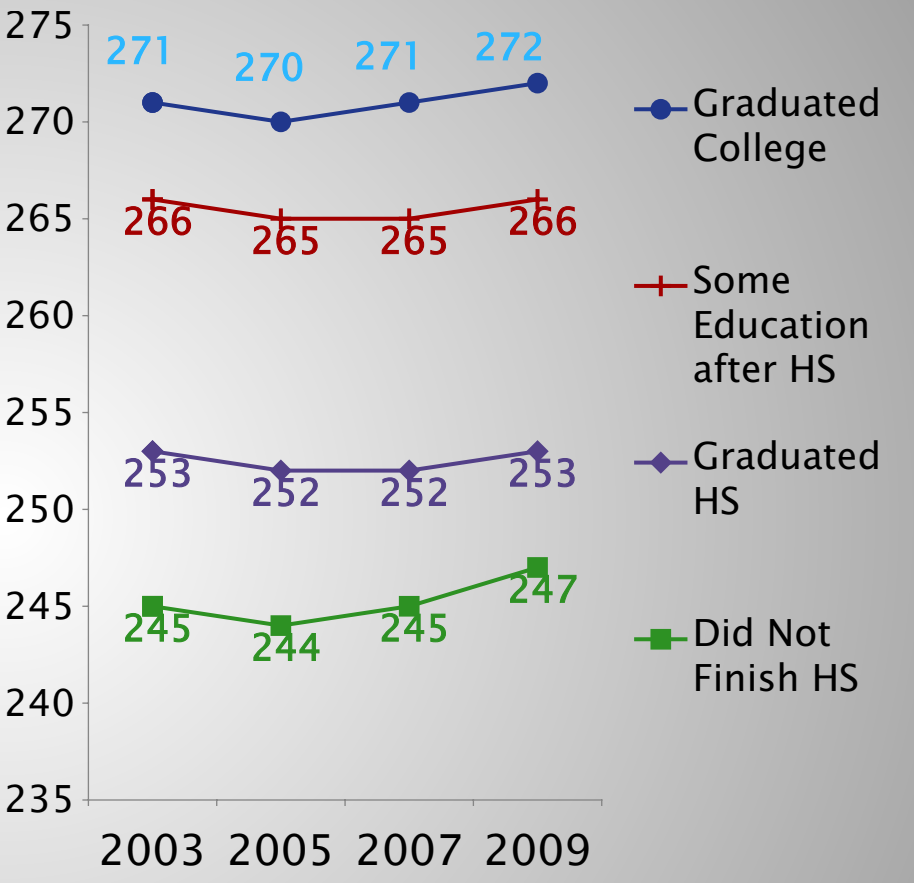
West Virginia



National Public

NAEP Reading Grade 8





West Virginia

National Public

WESTEST 2

Committing to International Common Proficiency (Mastery) Cut Score

- The federal language in SFSF and RTTT grant applications calls for states to commit to and create internationally rigorous Proficiency (Mastery) Cut Scores on their accountability assessments.

- Upon completion of the common core standards adoption and development of common core assessments, there will be nationally developed common cut scores for proficiency (Mastery) based on common core assessment development.

National Performance Benchmark

NAEP 2009 Mathematics Performance Level Distribution by % *					
WV	Below Basic	Basic	Proficient	Advanced	At or Above Proficient
Grade 4	23%	49%	26%	2%	28%
Grade 8	39%	41%	17%	2%	19%

WESTEST 2 2009 Mathematics Performance Level Distribution by % *						
	Novice	Partial Mastery	Mastery	Above Mastery	Distinguished	At or Above Mastery
Grade 4	2%	33%	36%	19%	9%	64%
Grade 8	18%	29%	40%	12%	1%	53%

International Performance Benchmark

International 2009 Mathematics Performance Level Distribution by % *					
TIMSS	Low	Intermediate	High	Advanced	At or Above High
Grade 4	23%	41%	21%	5%	26%
Grade 8	29%	31%	13%	2%	15%

WESTEST 2 2009 Mathematics Performance Level Distribution by % *						
WESTEST 2	Novice	Partial Mastery	Mastery	Above Mastery	Distinguished	At or Above Mastery
Grade 4	2%	33%	36%	19%	9%	64%
Grade 8	18%	29%	40%	12%	1%	53%

Why Transition to Internationally Rigorous Performance Cut Scores for WESTEST 2

- **2009 Cut Scores** show that our Mastery Level cut scores compare
  - at the lower levels of Basic on National Assessment of Educational Progress (NAEP).
  - at the D+ level on Trend In Math and Science Standards (TIMSS).

Conclusion: WV does not currently use cut scores that are as rigorous as national or international cut scores to determine Mastery Level for our students.

- **Recommendations:** WV will
  - determine and use transitional cut scores for Mastery that are increasingly aligned to more rigorous national and international cut scores and
  - use these cuts through 2014.

How does WV Create National/ International Rigorous Performance

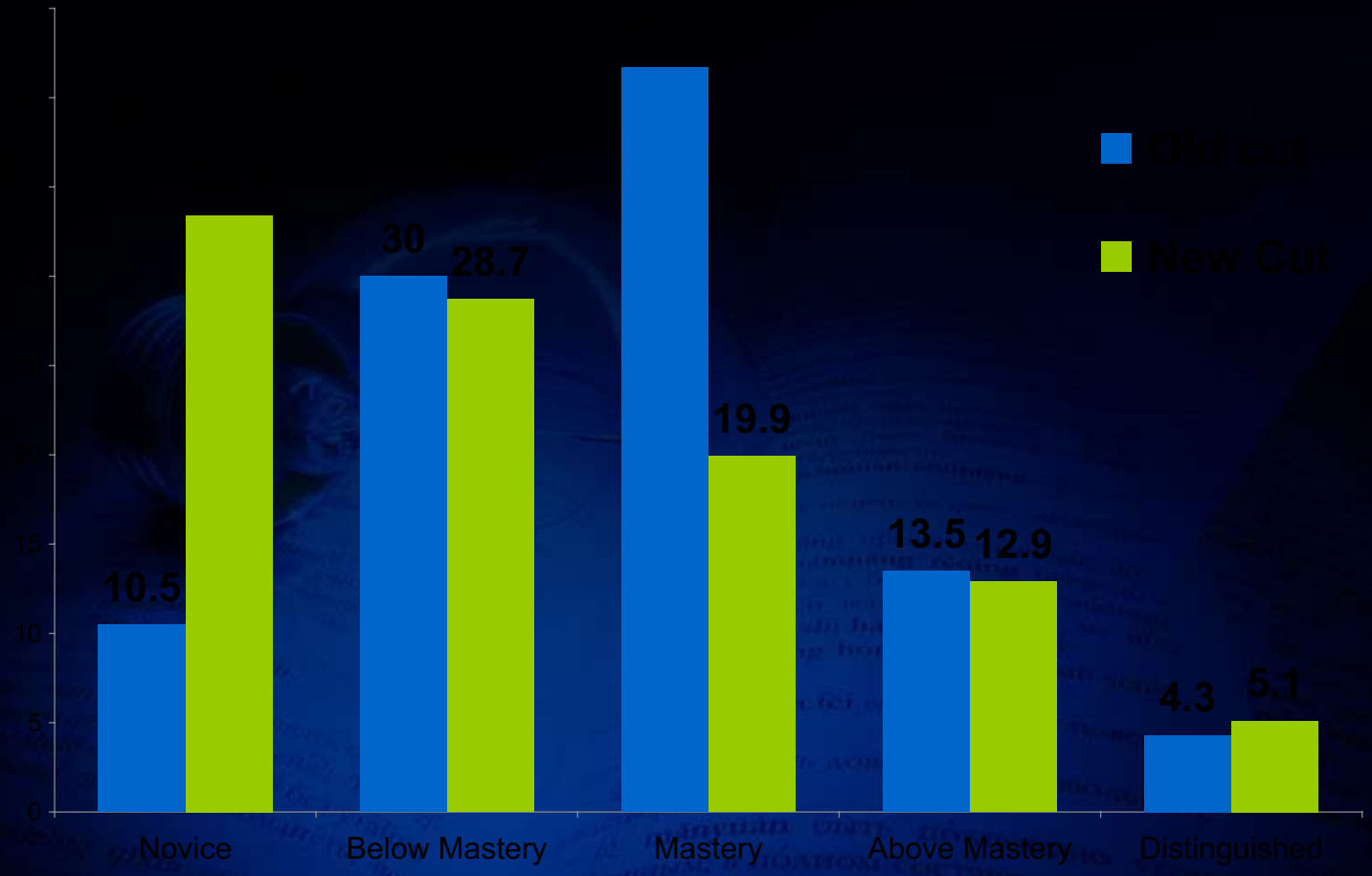
- **Create Transitional Cut Scores in 2010 (to be used thru 2014)** Commit to 40% Mastery Level proficiency cut score per content area, per grade level. These cuts
  - will place WV Mastery Level at the upper levels of Basic on NAEP.
  - will place WV Mastery Level at C+ on TIMSS.
- **Conclusions:** The 40% cuts will create transitional cut scores for Mastery that align more to national/international rigor in 2010 . By 2014, a common cut score for Proficiency will be determined based on the products/research from the RTTT grants.

- **Recommendations:**
  - WV will use the transitional cuts through 2014.
  - From 2015 onward, WV will use international Proficiency cut scores to determine Mastery.

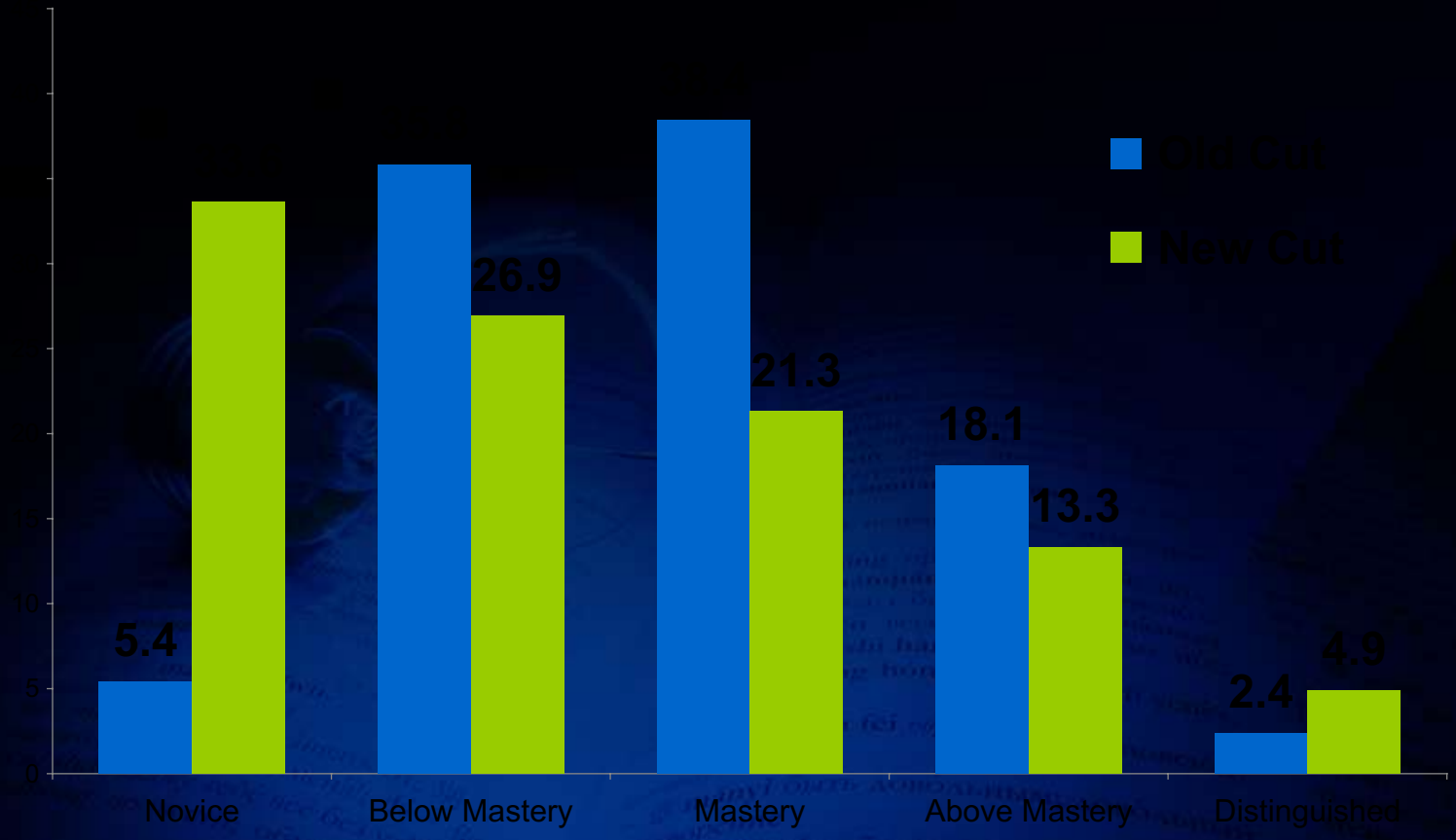
State Board Approved New Cut Scores

- West Virginia Board of Education approved the WESTEST 2 Cut Scores
  - April 2010 Board Meeting
  - Cuts will be used to determine AYP this August
  - School Improvement Reports will be made available on WVEIS
    - Reports compare the 2009 school performance to 2010 school performance in a reliable and meaningful manner

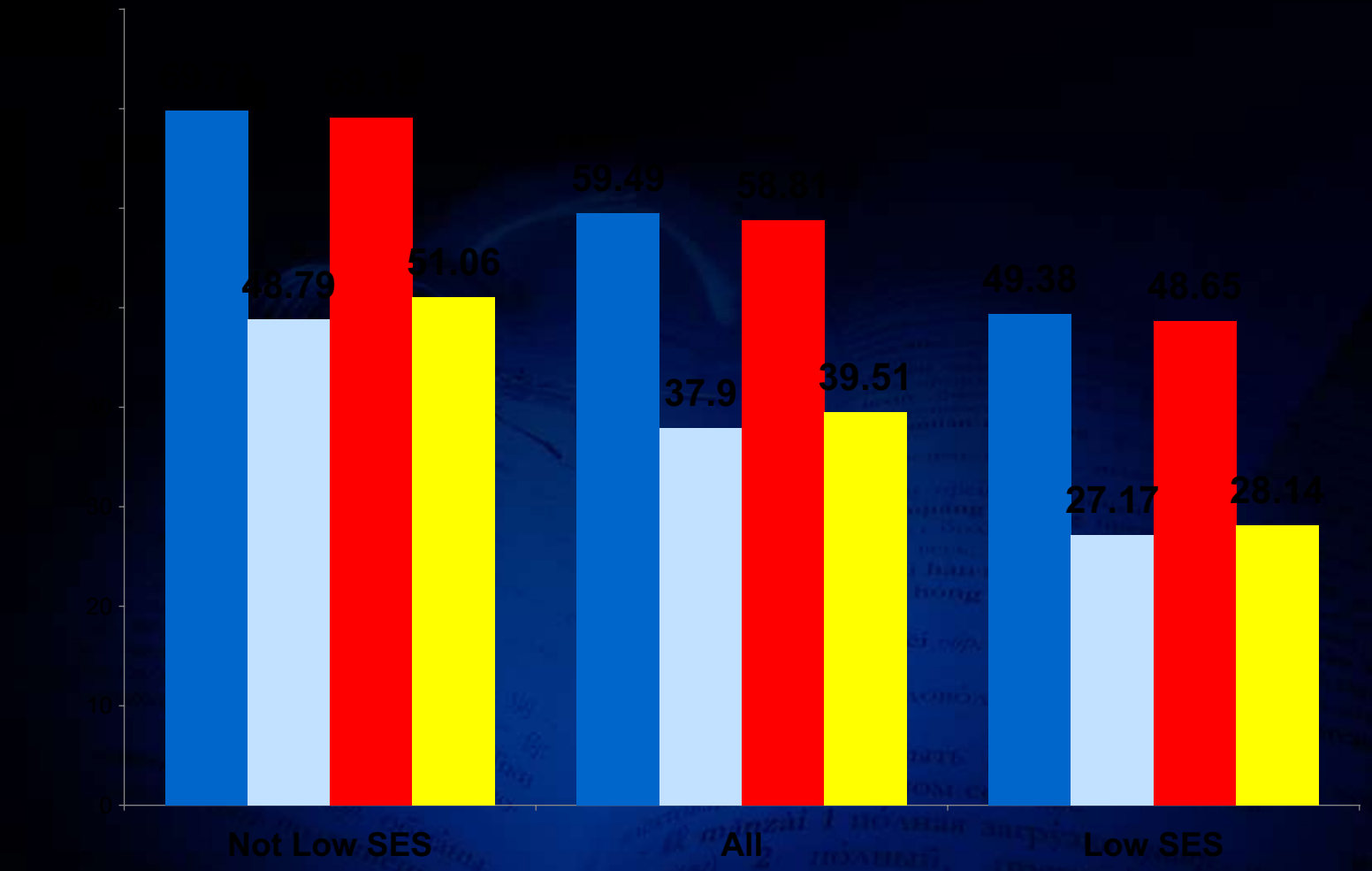
WESTEST 2 Math by Level of Achievement – Old Cuts vs. New Cuts



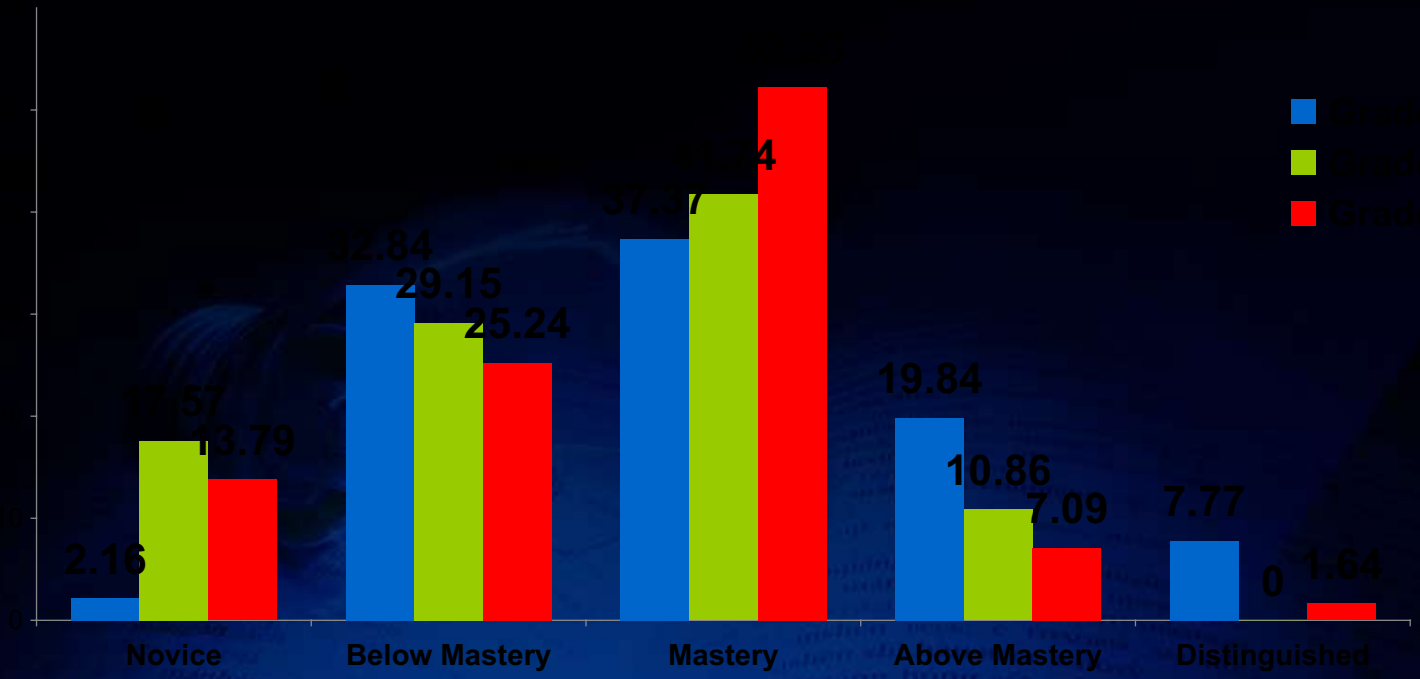
WESTEST 2 RLA by Level of Achievement – Old Cuts vs. New Cuts



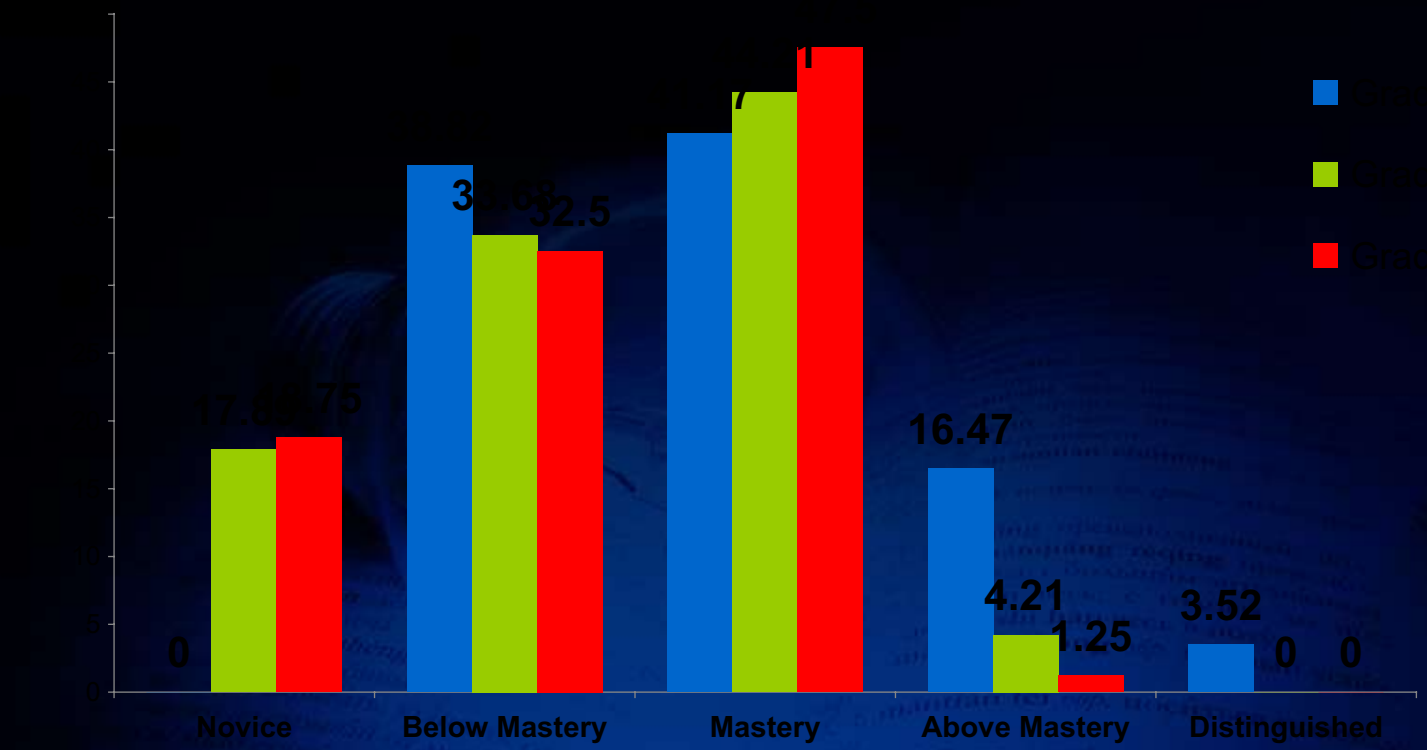
2009 WESTEST 2



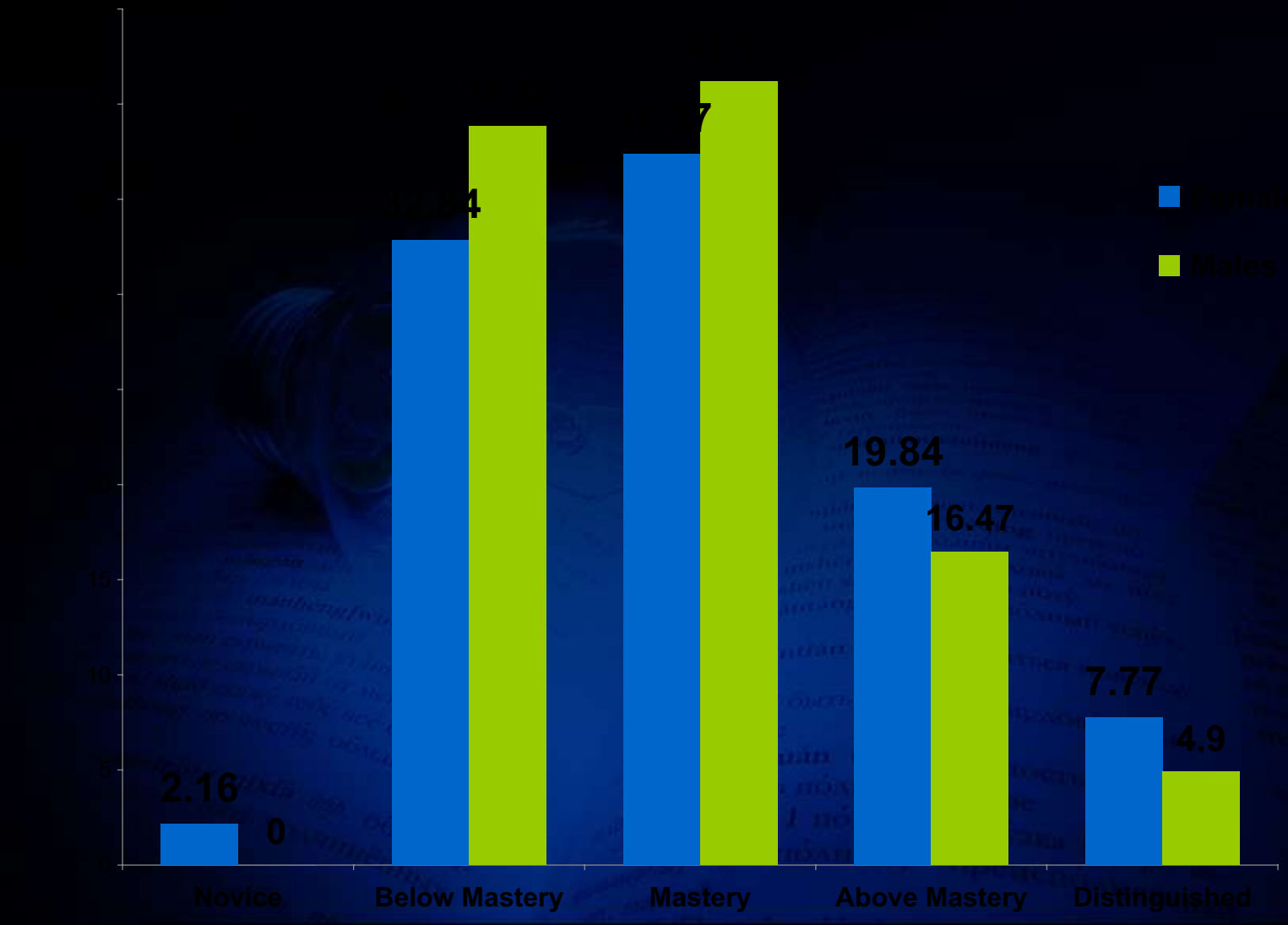
WESTEST 2 Females Math



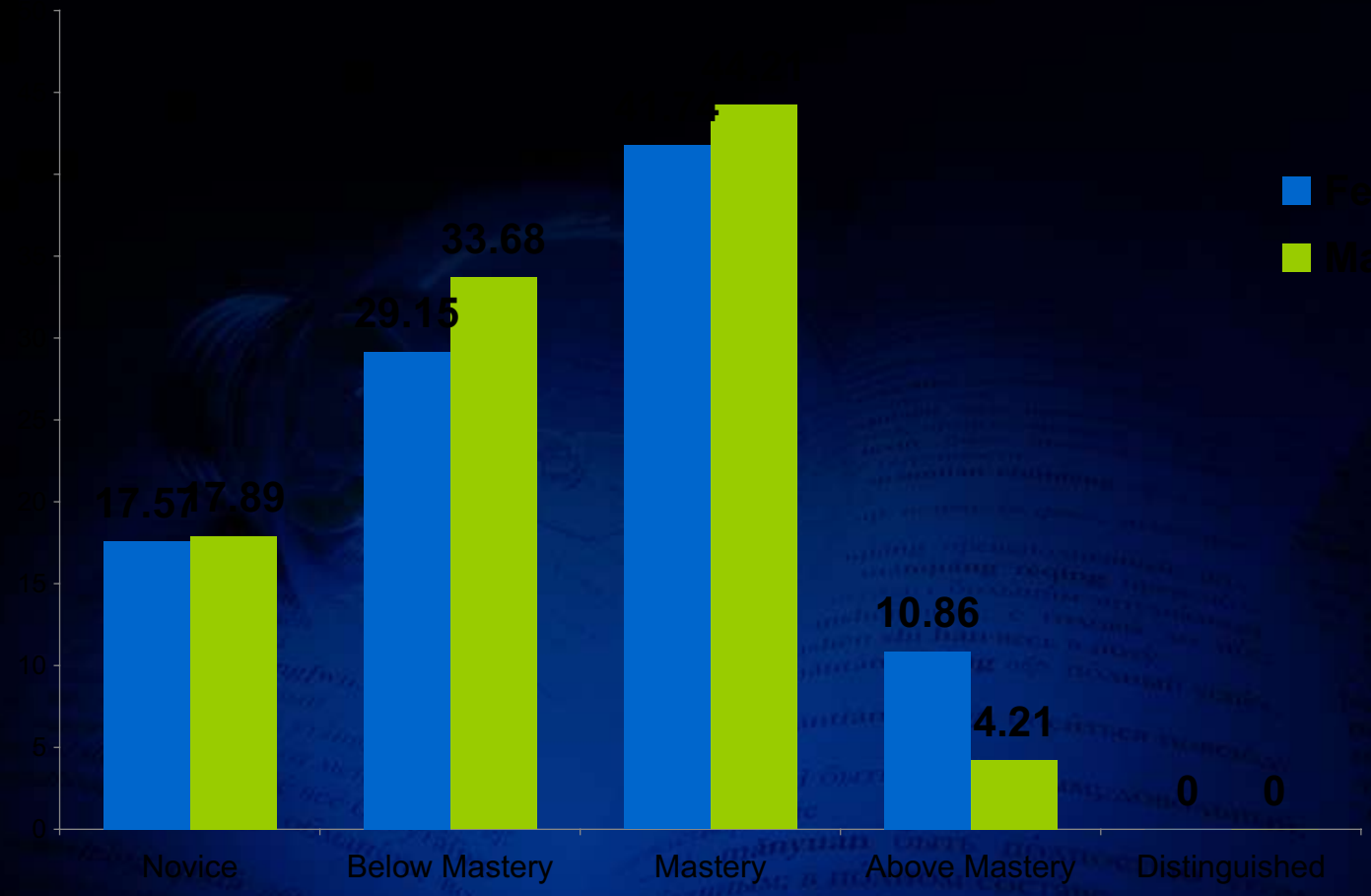
WESTEST 2 Males Math



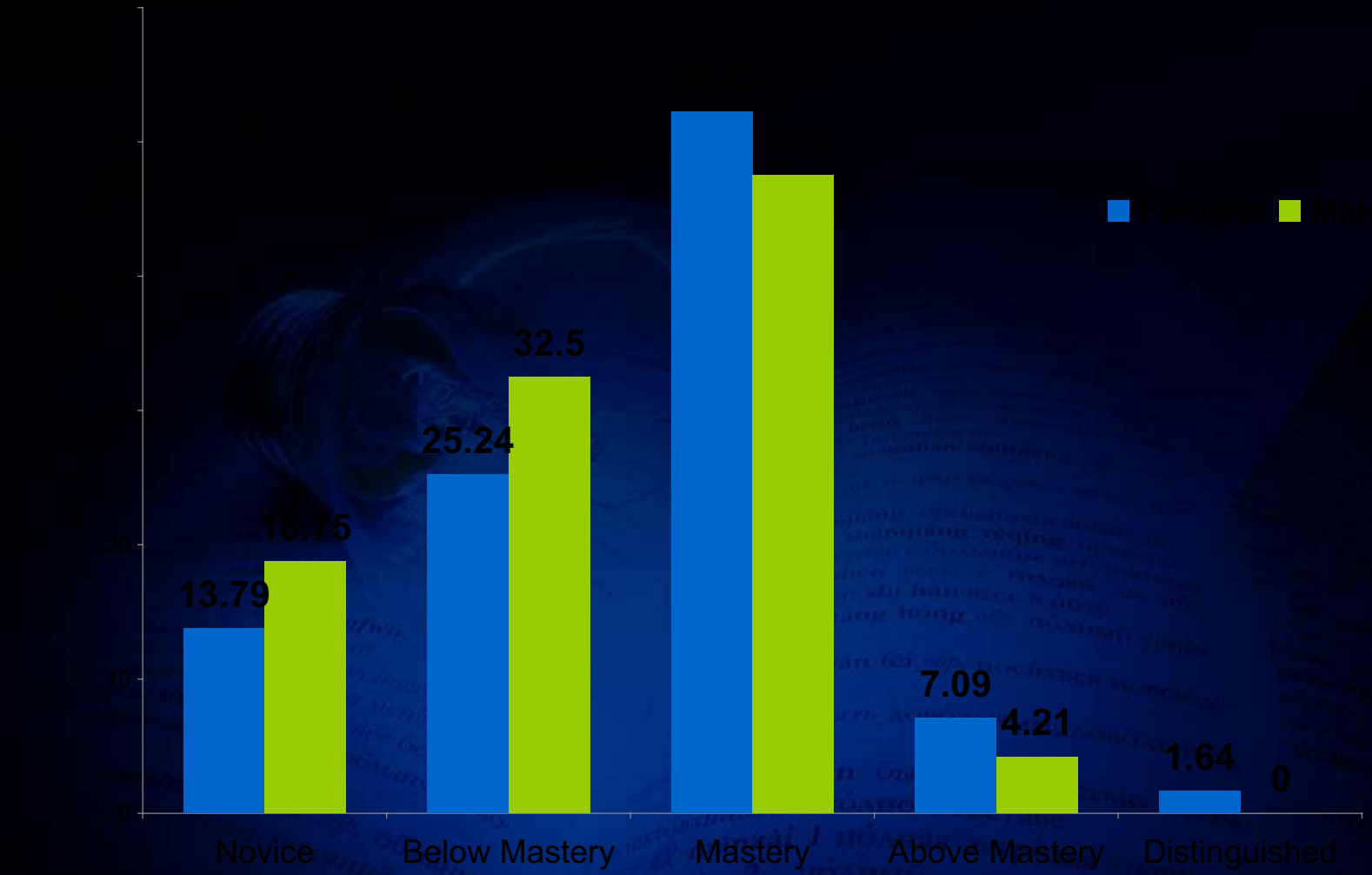
WESTEST 2
Grade 4 Math - Gender



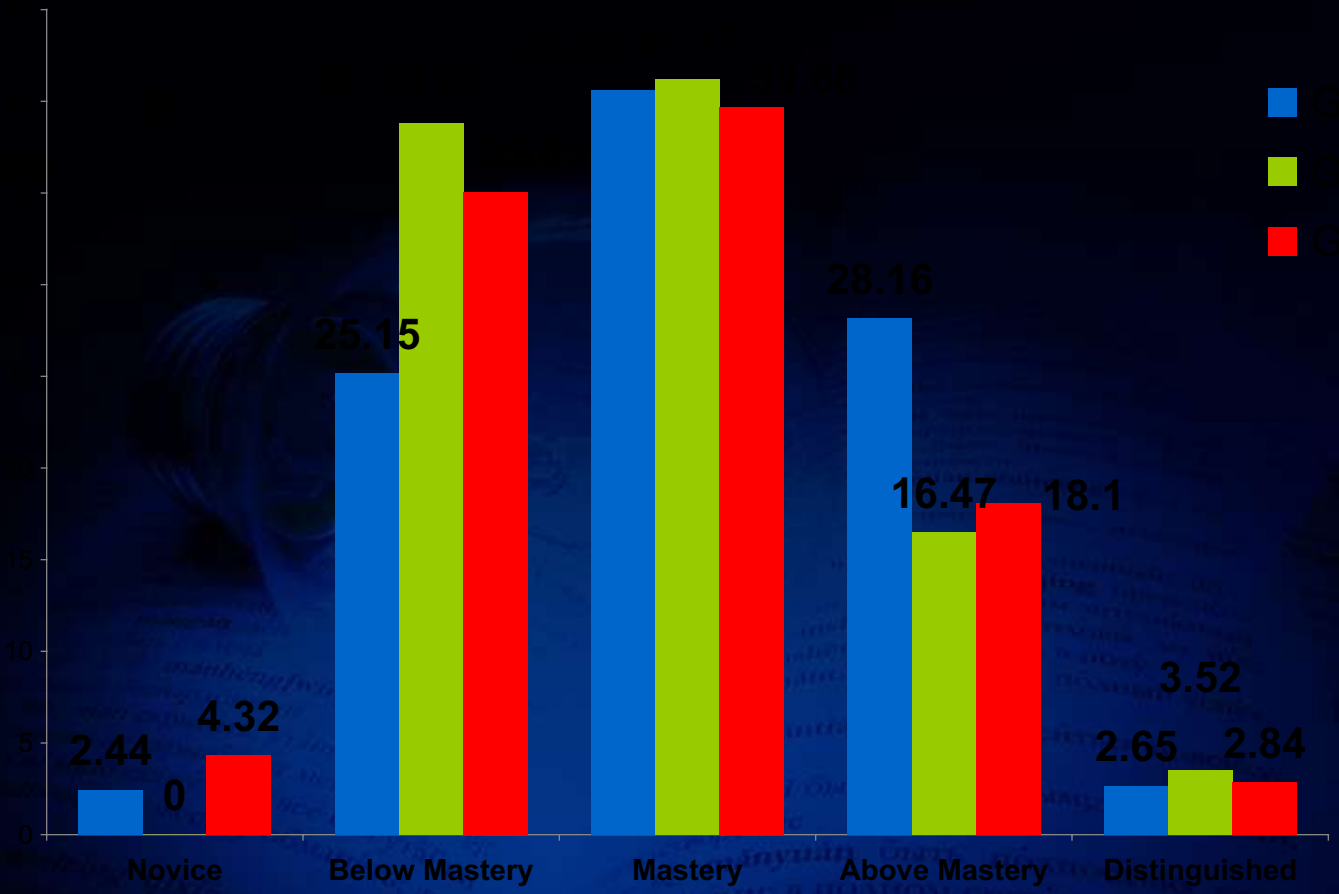
WESTEST 2
Grade 8 Math - Gender



WESTEST 2
Grade 11 Math - Gender



WESTEST 2 Females RLA



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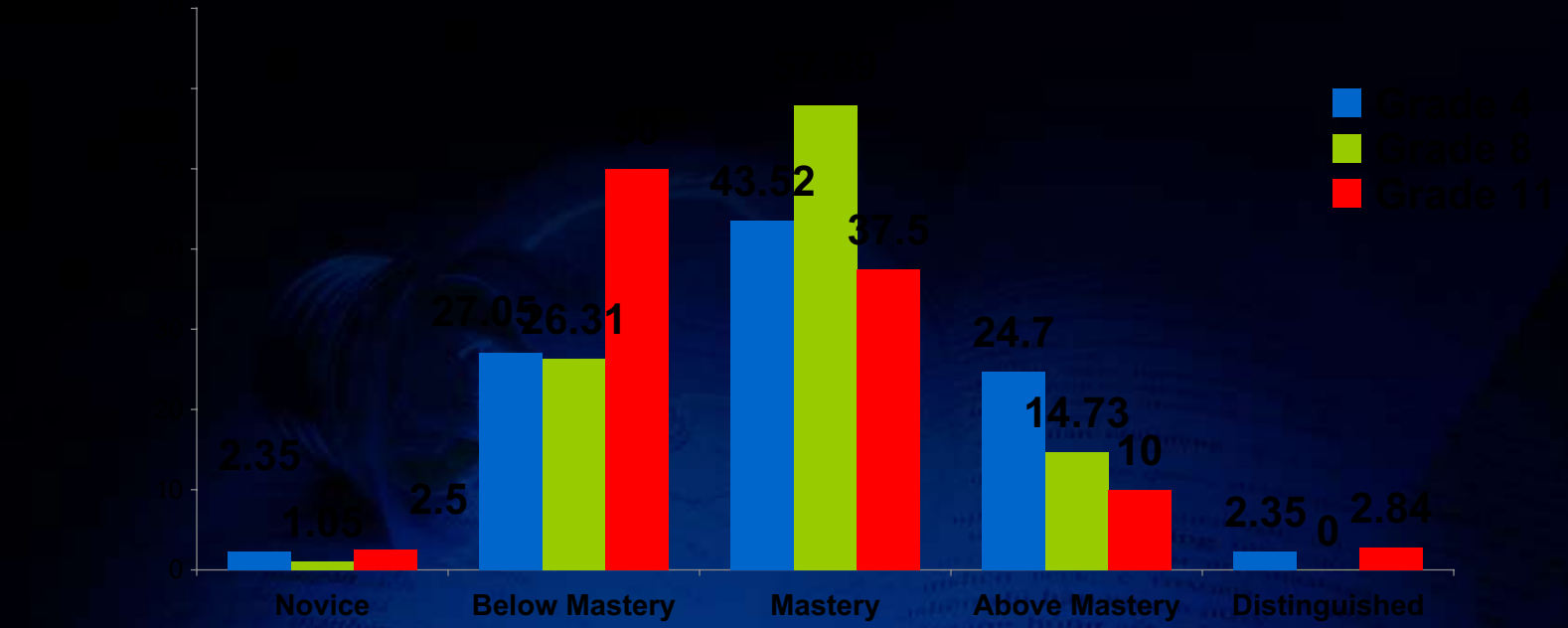

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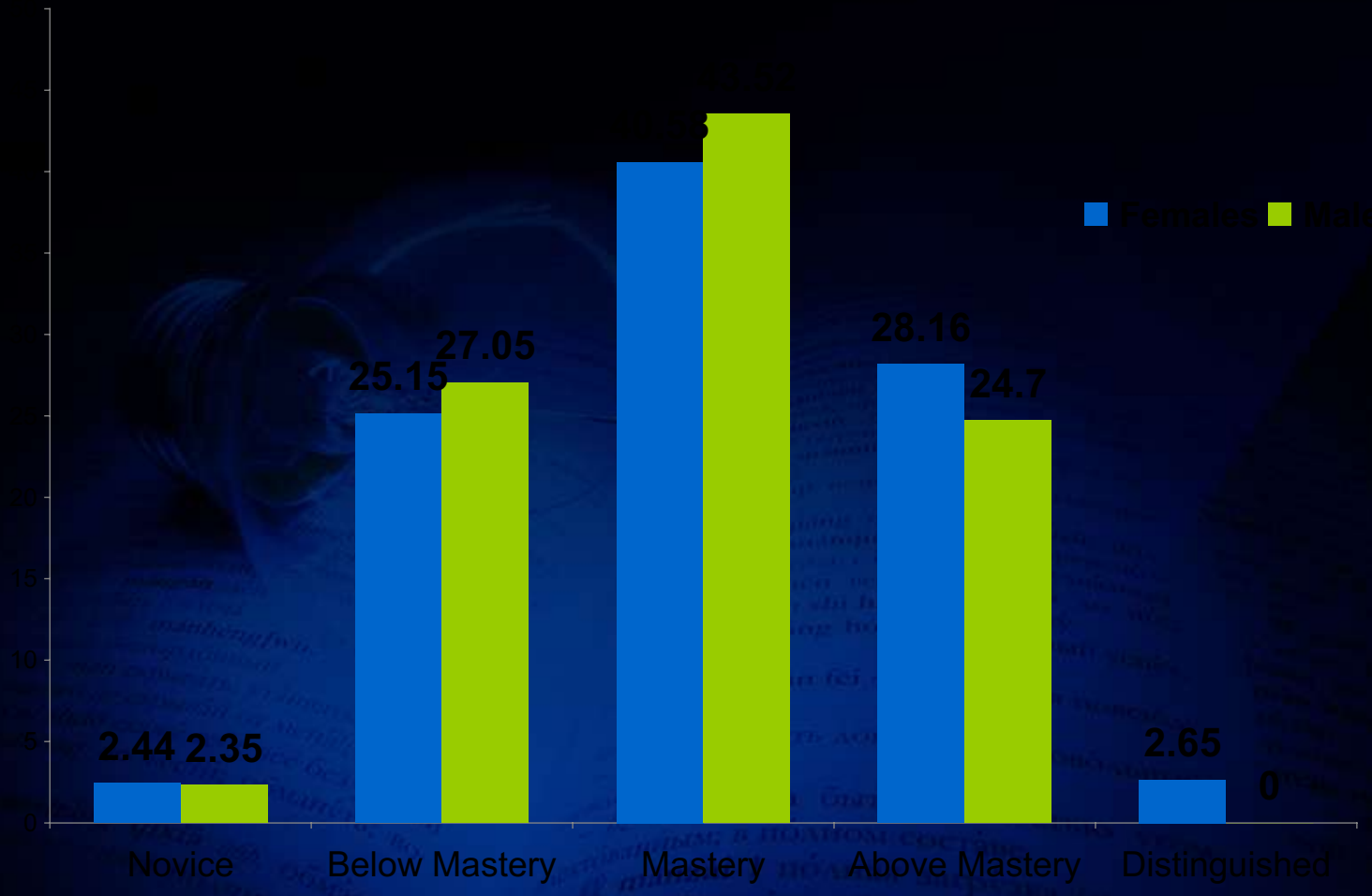
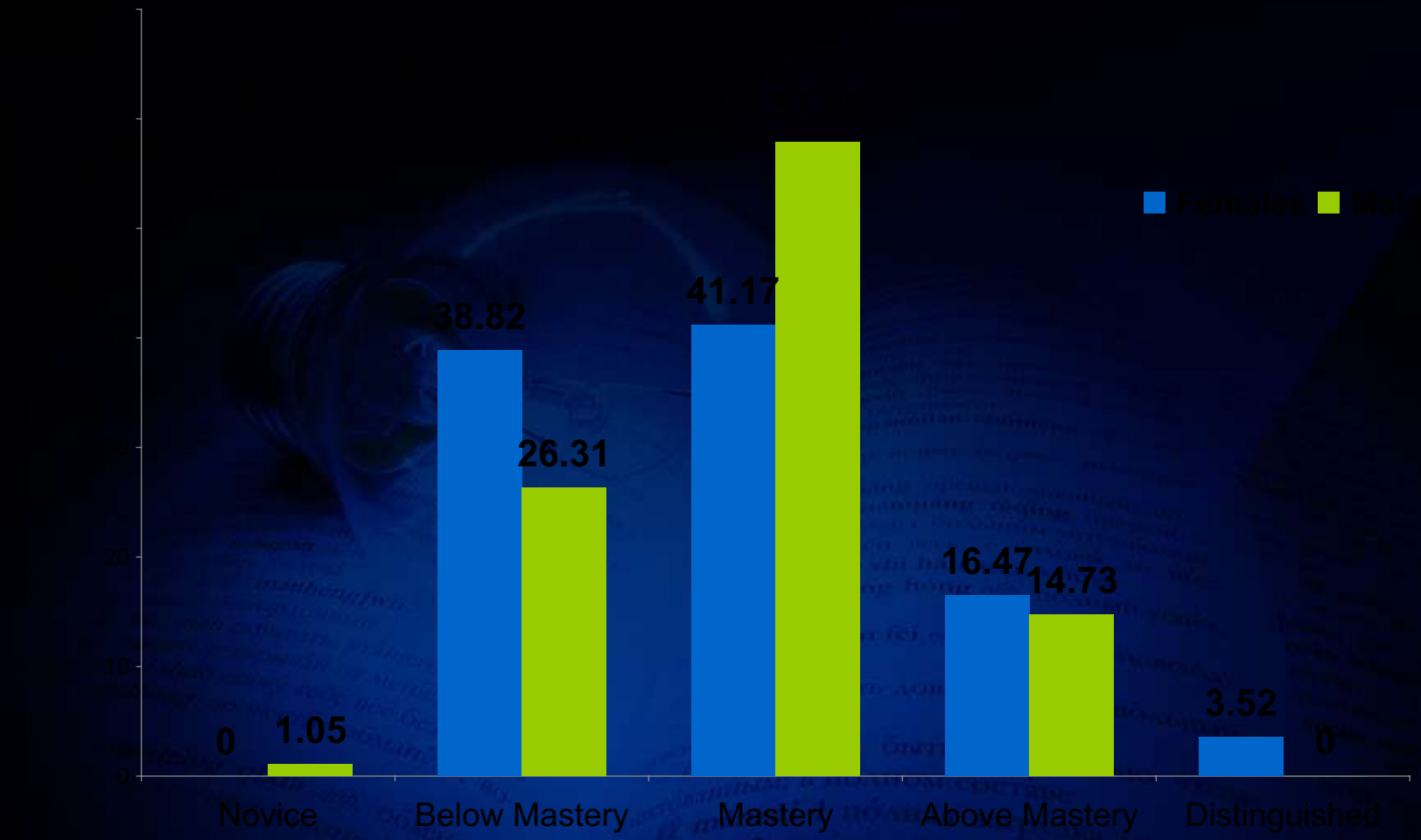
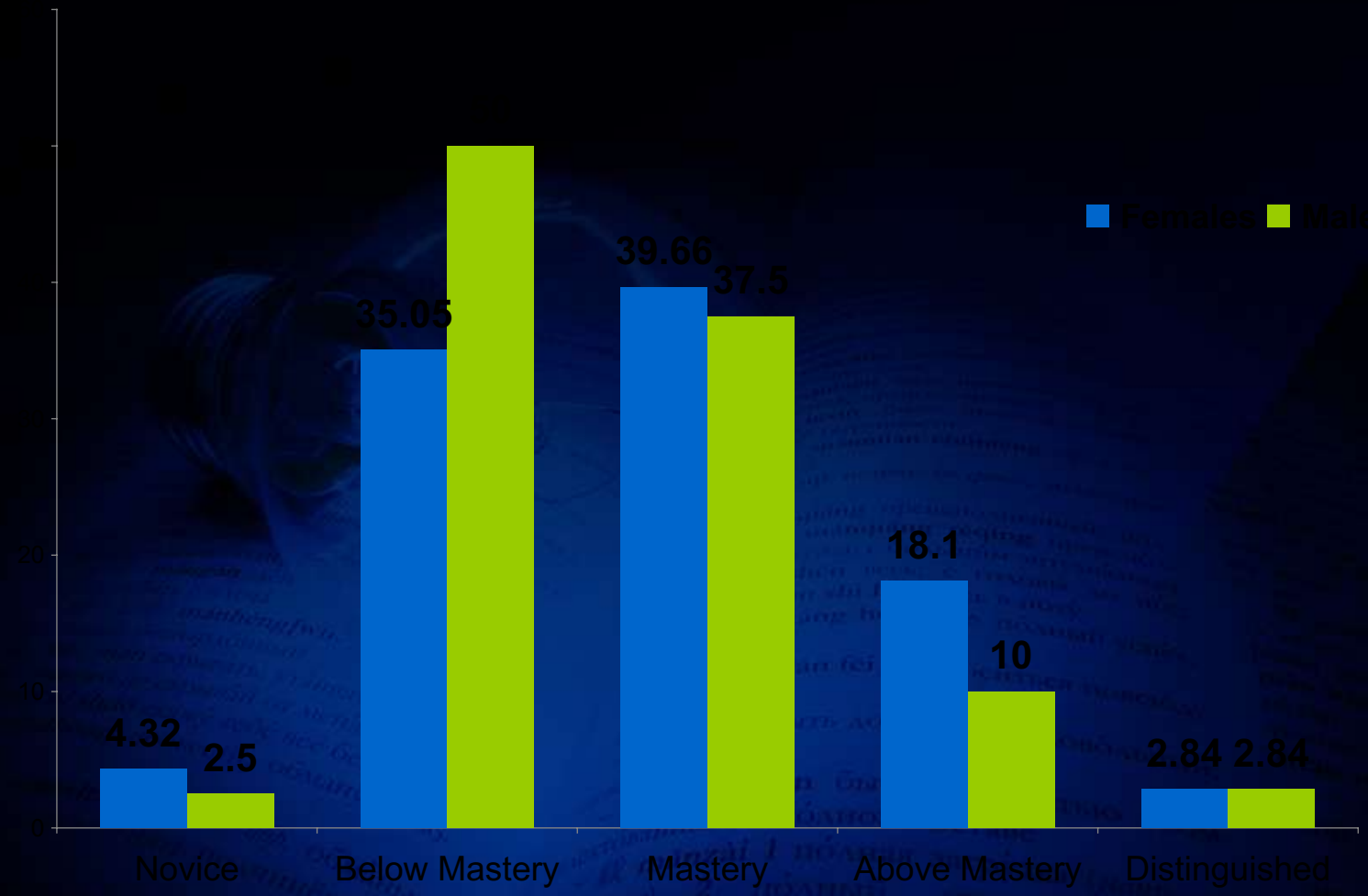
Grade 4 RLA - Gender



WESTEST 2
Grade 8 RLA - Gender



WESTEST 2
Grade 11 RLA - Gender



2009 WESTEST 2- Percent Proficient RLA

All Students-All Grades

Rank	County	% Prof.
55	McDowell	41.33
54	Lewis	46.10
53	Lincoln	47.48
52	Webster	47.62
51	Roane	48.02
50	Calhoun	49.15
49	Doddridge	50.06
48	Barbour	50.36
47	Fayette	50.67
46	Braxton	53.44
45	Pendleton	53.54
44	Pleasants	53.70
43	Hampshire	53.71
42	Morgan	54.11

Rank	County	% Prof.
41	Boone	54.12
40	Tucker	55.02
39	Logan	55.17
38	Wirt	55.29
37	Monroe	55.37
36	Summers	55.41
35	Preston	55.63
34	Grant	55.68
33	Mason	56.13
32	Randolph	56.23
31	Mineral	56.28
30	Brooke	57.32
29	Mercer	57.41
28	Upshur	57.41

2009 WESTEST 2- Percent Proficient RLA

All Students-All Grades

Rank	County	% Prof.
27	Marshall	57.59
26	Nicholas	57.84
25	Pocahontas	57.89
24	Hardy	57.98
23	Wetzel	58.26
22	Wayne	58.55
21	Kanawha	58.69
20	Wood	59.55
19	Harrison	59.88
18	Gilmer	60.12
17	Wyoming	60.36
16	Ritchie	60.68
15	Raleigh	61.08
14	Berkeley	61.23

Rank	County	% Prof.
13	Cabell	61.38
12	Jackson	61.59
11	Taylor	62.31
10	Greenbrier	62.51
9	Clay	63.04
8	Tyler	63.05
7	Marion	63.12
6	Hancock	63.68
5	Mingo	65.47
4	Jefferson	65.64
3	Ohio	66.89
2	Monongalia	67.04
1	Putnam	70.51

2009 WESTEST 2- Percent Proficient Math

All Students-All Grades

Rank	County	% Prof.
55	Roane	47.46
54	McDowell	48.42
53	Lincoln	49.15
52	Webster	49.64
51	Fayette	49.70
50	Doddridge	50.55
49	Barbour	52.33
48	Calhoun	52.52
47	Lewis	53.05
46	Logan	53.39
45	Hampshire	53.79
44	Wirt	54.09
43	Upshur	54.25
42	Morgan	55.27

Rank	County	% Prof.
41	Monroe	55.63
40	Mason	56.38
39	Pleasants	56.74
38	Tucker	56.86
37	Grant	57.15
36	Berkeley	57.51
35	Hardy	57.58
34	Randolph	57.62
33	Pocahontas	57.69
32	Boone	58.03
31	Wayne	58.32
30	Kanawha	58.37
29	Cabell	58.46
28	Clay	58.47

2009 WESTEST 2- Percent Proficient Math

All Students-All Grades

Rank	County	% Prof.
27	Wyoming	58.56
26	Marshall	59.30
25	Wetzel	59.70
24	Mercer	59.72
23	Summers	59.83
22	Braxton	59.87
21	Preston	60.53
20	Raleigh	60.66
19	Mineral	61.28
18	Gilmer	61.32
17	Nicholas	61.47
16	Wood	61.52
15	Harrison	61.64
14	Jackson	61.92

Rank	County	% Prof.
13	Mingo	62.15
12	Pendleton	62.35
11	Jefferson	62.60
10	Greenbrier	63.01
9	Brooke	63.04
8	Taylor	63.30
7	Ritchie	64.07
6	Marion	65.55
5	Ohio	66.33
4	Monongalia	66.94
3	Hancock	67.88
2	Tyler	69.49
1	Putnam	73.84

WESTEST 2 Charting Tool

- https://wveis.k12.wv.us/nclb/private/nclbdata/signon.cfm?CFID=3116612&CFTOKEN=18437294

So What Are the Data Telling Us and What Else Do We Need to Know and Do?

NAEP

- We are below the national average in nearly every category.
- Even when compared to states with similar demographics, we rank next to the last in most categories.
- While the national public average is increasing in most areas, WV's performance has flat lined or declined.

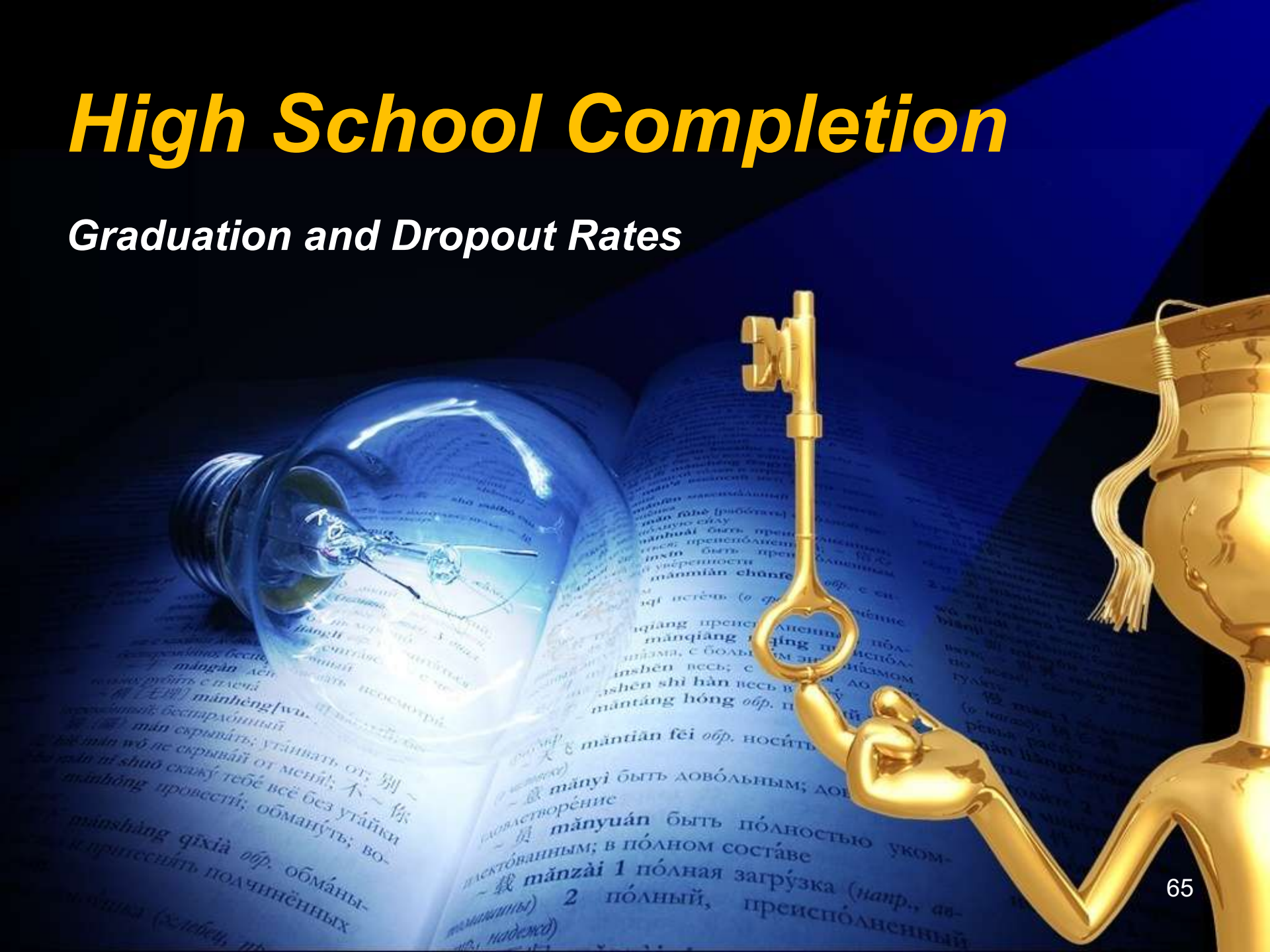
So What Are the Data Telling Us and What Else Do We Need to Know and Do?

WESTEST2

- There is not trend data due to newness of assessment.
- Student performance declines as students move from elementary to middle to high.
- There is a significant achievement gap between low SES and non-low SES and between males and females.
- There are far too few students scoring at “above mastery” and ”distinguished.”

High School Completion

Graduation and Dropout Rates



Diplomas Count 2010: WV
Graduation Profile for the Class of 2007

	West Virginia	National Average
All Students	71.6 %	68.8%

Diplomas Count 2010: WV
Graduation Rates by Student Group

By Gender	West Virginia	National Average
Male	68.1	66.0
Female	75.1	72.9
By Race and Ethnicity		
Hispanic	52.8	55.5
Black (not Hispanic)	63.9	53.7
White (not Hispanic)	71.5	76.6

A Long-Term View of Graduation

Year-by-year trends	West Virginia	U.S. Average
2007	71.6	68.8%
2006	71.8	69.2
2005	72.8	70.6
2004	71.7	70.0
2003	72.8	69.7
2002	72.0	69.3
2001	70.7	68.0
2000	70.2	66.8
1999	71.2	66.0
1998	72.3	65.6
1997	75.5	65.7
10-Year Change	**-3.9**	**+3.1**

Projection of Graduates and Non-graduates

State	9th Graders 2006-2007	Projected 2009-10 Graduates	Projected 2009-2010 Non-graduates	Total students lost each school day
West Virginia	24,331	17,420	6,911	38
U.S.	4,155,418	2,857,791	1,297,628	7,209

Graduation vs. Dropout Rate

- The new graduation rate is a Four Year Cohort Graduation Rate. The formula creates an initial cohort for each graduating class starting with the first time 9th grade students four years ago. That cohort is followed through the four years of high schools. Students who transfer out of state (from that class) are removed from the cohort and students who transfer into the state (into that class) are added to the cohort. When this class reaches graduation, the graduation rate is calculated by dividing the graduates by the number of students remaining in the cohort.
- Dropout rate is percent of students in grades 7 through 12 who leave the school, before graduation or without transferring to another school

Rank Order of Counties by Decrease in Graduation Rate (55-1)

Rank	County	2007	2008	2009	Change 2007 to 2009
Average		93.53	90.10	84.85	-8
54	Jackson	87.47	87.21	80.55	-6
53	Pendleton	87.76	88.54	81.33	-6.43
52	Marion	88.73	86.36	83.79	-4.94
51	Greenbrier	85.00	82.29	80.85	-4.15
50	Braxton	83.87	77.97	79.80	-4.07
49	Summers	82.41	82.09	78.45	-3.96
48	Taylor	79.66	81.68	75.71	-3.95
47	Barbour	83.94	80.00	80.10	-3.84
46	Lincoln	79.28	79.07	75.61	-3.67
45	Monroe	85.00	85.90	81.38	-3.62

Rank Order of Counties by Decrease in Graduation Rate (55-1)

		2008	2009	2007-09 Change	
		88.74	86.67	85.25	
43	FAYETTE	83.49	82.25	80.19	
42	MINGO	86.58	82.78	83.33	
41	TUCKER	95.56	94.05	92.31	
40	KANAWHA	81.63	78.67	78.60	
39	NICHOLAS	84.14	83.38	81.18	-2.96
38	MERCER	84.68	82.41	81.80	-2.88
37	WYOMING	80.00	79.69	77.33	-2.67
36	MONONGALIA	84.88	84.77	82.24	-2.64
35	ROANE	85.05	84.77	82.74	-2.31
34	RALEIGH	87.21	86.03	85.04	

Rank Order of Counties by Decrease in Graduation Rate (55-1)

		2008	2009	2007 to 2009 Change	
	Nation	82.23	80.00	80.10	
32	GRANT	89.44	85.19	87.42	
31	WOOD	87.24	86.75	85.44	-1.80
30	RITCHIE	89.38	89.84	87.88	-1.50
29	TYLER	90.16	96.55	88.89	-1.27
28	HAMPSHIRE	86.25	80.82	85.23	-1.02
27	MINERAL	92.42	91.50	91.48	-0.94
26	HARDY	85.39	81.97	84.71	-0.68
25	PLEASANTS	89.77	90.91	89.19	-0.58
24	WEBSTER	85.48	87.41	84.96	-0.52
23	RANDOLPH	86.35	85.76	86.03	-0.32

Rank Order of Counties by Decrease in Graduation Rate (55-1)

		2007	2008	2009	Change 2007 to 2009
	Statewide	91.57	89.52	91.35	
21	MARSHALL	87.22	87.67	87.02	
20	PUTNAM	88.63	88.30	88.48	-0.15
19	UPSHUR	80.73	81.73	80.59	-0.14
18	OHIO	83.89	83.99	83.87	-0.02
17	CABELL	80.33	76.94	80.47	0.14
16	HARRISON	84.09	84.77	84.75	0.66
15	WAYNE	83.43	80.58	84.59	1.16
14	GILMER	93.75	88.57	94.94	1.19
13	PRESTON	80.81	81.09	82.28	1.47
12	CALHOUN	80.68	76.77	82.35	1.67

Rank Order of Counties by Decrease in Graduation Rate (55-1)

		2007	2008	2009	Change 2007 to 2009
11	MARION	80.85	82.04	82.85	2.00
10	MORGAN	87.18	85.31	89.29	2.11
9	MCDOWELL	81.76	87.83	85.06	3.30
8	POCAHONTAS	86.49	87.25	89.89	3.40
7	CLAY	87.92	86.67	91.43	3.51
6	BERKELEY	81.56	83.46	85.19	3.63
5	HANCOCK	90.97	92.23	94.78	3.81
4	BROOKE	91.29	93.68	95.22	3.93
3	MASON	79.43	82.55	83.44	4.01
2	WIRT	88.16	81.54	93.90	5.74
1	JEFFERSON	77.72	84.98	84.99	7.27

Rank Order of Counties by Increase in Dropout Rate (55-1)

RANK	COUNTY	2007	2008	2009	2007-2009
55	WEBSTER	1.60	2.90	4.20	-2.60
54	MONROE	2.80	2.00	4.80	-2.00
53	LEWIS	1.90	2.70	3.50	-1.60
52	CABELL	2.00	2.80	3.50	-1.50
51	MCDOWELL	2.00	3.50	3.50	-1.50
50	FAYETTE	2.80	4.00	4.20	-1.40
49	UPSHUR	2.10	2.50	3.50	-1.40
48	MINGO	2.50	3.40	3.70	-1.20
47	DODDRIDGE	1.90	2.20	2.90	-1.00
46	TUCKER	0.70	1.10	1.70	-1.00
45	HARDY	2.70	3.40	3.60	-0.90

Rank Order of Counties by Increase in Dropout Rate (55-1)

RANK	COUNTY	2007	2008	2009	2007-2009
44	MARION	2.40	2.40	3.30	-0.90
43	RALEIGH	2.30	2.70	3.10	-0.80
42	CLAY	2.10	2.10	2.80	-0.70
41	GRANT	2.40	3.10	3.10	-0.70
40	HARRISON	2.10	2.60	2.80	-0.70
39	MASON	2.60	3.20	3.10	-0.50
38	RITCHIE	1.90	2.30	2.40	-0.50
37	TYLER	1.10	1.70	1.60	-0.50
36	WAYNE	3.00	3.50	3.50	-0.50
35	POCAHONTAS	1.60	2.20	2.00	-0.40
34	BOONE	3.10	2.80	3.40	-0.30

Rank Order of Counties by Increase in Dropout Rate (55-1)

RANK	COUNTY	2007	2008	2009	2007-2009
33	LOGAN	2.40	3.30	2.70	-0.30
32	MARSHALL	2.10	2.30	2.30	-0.20
31	NICHOLAS	4.00	4.50	4.20	-0.20
30	PENDLETON	2.30	3.20	2.50	-0.20
29	WETZEL	1.70	1.60	1.90	-0.20
28	GREENBRIER	3.60	3.40	3.70	-0.10
27	JACKSON	2.30	3.30	2.40	-0.10
26	OHIO	2.80	2.90	2.90	-0.10
25	SUMMERS	2.90	4.50	3.00	-0.10
24	BARBOUR	2.20	3.50	2.20	0.00
23	BERKELEY	2.80	2.60	2.80	0.00

Rank Order of Counties by Increase in Dropout Rate (55-1)

RANK	COUNTY	2007	2008	2009	2007-2009
22	WIRT	2.00	3.10	1.90	0.10
21	PRESTON	3.10	2.30	2.90	0.20
20	RANDOLPH	3.30	4.00	3.10	0.20
19	JEFFERSON	2.60	2.40	2.30	0.30
18	LINCOLN	3.50	4.40	3.20	0.30
17	MERCER	3.70	3.50	3.40	0.30
16	PUTNAM	1.70	2.60	1.40	0.30
15	WOOD	2.30	2.30	1.90	0.40
14	HANCOCK	1.90	1.00	1.40	0.50
13	KANAWHA	4.10	4.70	3.60	0.50
12	MORGAN	2.30	3.20	1.80	0.50

Rank Order of Counties by Increase in Dropout Rate (55-1)

RANK	COUNTY	2007	2008	2009	2007-2009
11	MONONGALIA	3.10	2.70	2.50	0.60
10	MINERAL	1.40	0.90	0.70	0.70
9	BRAXTON	3.80	2.60	3.00	0.80
8	BROOKE	1.30	0.60	0.50	0.80
7	GILMER	1.80	1.40	0.90	0.90
6	WYOMING	4.30	4.00	3.30	1.00
5	CALHOUN	3.70	3.40	2.60	1.10
4	ROANE	3.10	2.90	1.90	1.20
3	HAMPSHIRE	2.80	2.80	1.50	1.30
2	PLEASANTS	2.00	2.10	0.50	1.50
1	TAYLOR	4.90	4.00	1.60	3.30

Early Warning Indicators

- Early indicators of dropout are powerful tools at the K-12 level because they can potentially alert educators to students who need some level of intervention to stay on track to graduation.

  – Balfanz & Byrnes

Analysis of Early Warning Indicators for WV

- Conducted by Robert Balfanz, Johns Hopkins University
- 2008-09 data
  - 21,244 6th grade students
  - 25,315 9th grade students
  - 20,315 12th grade students
  - Total of 66,874 students across three grades

Early Warning Indicators

- For 9th graders – typically include:
  - Attendance below 85%;
  - Two or more suspensions or serious disciplinary incidents;
  - Two or more semester course failures;
  - Failing a math course; and/or
  - Failing an English Language Arts course

Early Warning Indicators

- For 6th graders – typically include:
  - Attendance below 90%;
  - One or more suspensions or serious disciplinary incidents;
  - One or more semester course failures;
  - Failing a math course; and/or
  - Failing an English Language Arts course

Overall State-Wide Rates of 6th Grade Students with Key Indicators (223 schools with 6th grade)

	Attendance <90%	>=1 Minor Incidents	Fail >=1 Courses	Fail Math	Fail English	>=1 of all Indicators
Percent of all 6th Grade Students (N = 21,244)	22%	18%	10%	5%	4%	37%
Percent of All Schools with 0 students with Indicator	6%	10%	29%	39%	93%	2%
Percent of All Schools with 10 or more students with Indicator	63%	54%	28%	13%	12%	74%
Percent of All Schools with 25 or more students with Indicator	35%	27%	13%	4%	3%	47%
Percent of All Schools with 50 or more students with Indicator	10%	8%	4%	1%	0%	30%
Percent of All Schools with 75 or more students with Indicator	2%	1%	1%	0%	0%	13%
Percent of All Schools with 100 or more students with Indicator	<1%	<1%	0%	0%	0%	6%

Overall State-Wide Rates of 9th Grade Students with Key Indicators (160 schools with 9th grade)

	Attendance <85%	>=2 Minor Incidents	Fail >=2 Courses	Fail Math	Fail English	>=1 of all Indicators
Percent of all 6th Grade Students (N = 25,315)	20%	15%	15%	16%	12%	38%
Percent of All Schools with 0 students with Indicator	7%	9%	11%	11%	11%	3%
Percent of All Schools with 10 or more students with Indicator	68%	58%	61%	52%	50%	78%
Percent of All Schools with 25 or more students with Indicator	46%	31%	14%	31%	29%	61%
Percent of All Schools with 50 or more students with Indicator	27%	13%	6%	18%	13%	44%
Percent of All Schools with 75 or more students with Indicator	11%	9%	4%	9%	4%	32%
Percent of All Schools with 100 or more students with Indicator	6%	5%	3%	4%	1%	20%

25 Districts with the Most Students with 1 or More Key Indicators

DISTRICT	NUMBER OF STUDENTS	% OF STUDENTS	6th, 9th, & 12th GRADE ENROLLMENT
KANAWHA COUNTY	2540	37%	6885
BERKELEY COUNTY	1496	35%	4257
CABELL COUNTY	1058	36%	2903
WOOD COUNTY	840	27%	3099
RALEIGH COUNTY	814	29%	2787
HARRISON COUNTY	807	30%	2730
MERCER COUNTY	704	32%	2201
JEFFERSON COUNTY	687	37%	1872
WAYNE COUNTY	554	31%	1816
MARION COUNTY	520	27%	1893
MONONGALIA COUNTY	511	20%	2552
LOGAN COUNTY	499	34%	1481
FAYETTE COUNTY	481	30%	1625
PUTNAM COUNTY	466	23%	2071
GREENBRIER COUNTY	434	34%	1272
OHIO COUNTY	390	29%	1337
BOONE COUNTY	385	37%	1052
JACKSON COUNTY	375	30%	1249
MINGO COUNTY	341	32%	1054
UPSHUR COUNTY	331	37%	884
MCDOWELL COUNTY	330	39%	840
LINCOLN COUNTY	325	39%	827
PRESTON COUNTY	316	30%	1064
MARSHALL COUNTY	305	25%	1209
WYOMING COUNTY	293	33%	892

25 Middle Schools with the Most Students with 1 or More Key Indicators

SCHOOL	DISTRICT	NUMBER OF STUDENTS	% OF STUDENTS	6th GRADE ENROLLMENT
MUSSELMAN MS	BERKELEY COUNTY	211	47%	451
MARTINSBURG SOUTH	BERKELEY COUNTY	159	49%	324
BECKLEY-STRATTON MS	RALEIGH COUNTY	143	59%	241
MARTINSBURG NORTH	BERKELEY COUNTY	133	59%	225
WASHINGTON IRVING	HARRISON COUNTY	125	49%	253
MADISON MS	BOONE COUNTY	118	52%	226
B-U MS	UPSHUR COUNTY	118	44%	267
HUNTINGTON MS	CABELL COUNTY	114	53%	217
HAYES MS	KANAWHA COUNTY	112	52%	217
BLUEFIELD MS	MERCER COUNTY	111	56%	197
RIPLEY MS	JACKSON COUNTY	103	40%	260
EASTERN GREENBRIER	GREENBRIER COUNTY	101	37%	270
SISSONVILLE MS	KANAWHA COUNTY	100	60%	168
COLLINS MIDDLE	FAYETTE COUNTY	96	48%	202
ROBERT BLAND MS	LEWIS COUNTY	94	51%	185
MOUNT VIEW HS	MCDOWELL COUNTY	93	73%	128
ANDREW JACKSON MS	KANAWHA COUNTY	92	33%	281
STONEWALL JACKSON	KANAWHA COUNTY	89	53%	169
BEVERLY HILLS MS	CABELL COUNTY	89	44%	204
EAST BANK MS	KANAWHA COUNTY	88	63%	139
ELKVIEW MS	KANAWHA COUNTY	85	35%	246
HEDGESVILLE MS	BERKELEY COUNTY	84	35%	238
PARK MS	RALEIGH COUNTY	81	52%	157
WEIR MS	HANCOCK COUNTY	79	52%	151
HORACE MANN MS	KANAWHA COUNTY	79	46%	172

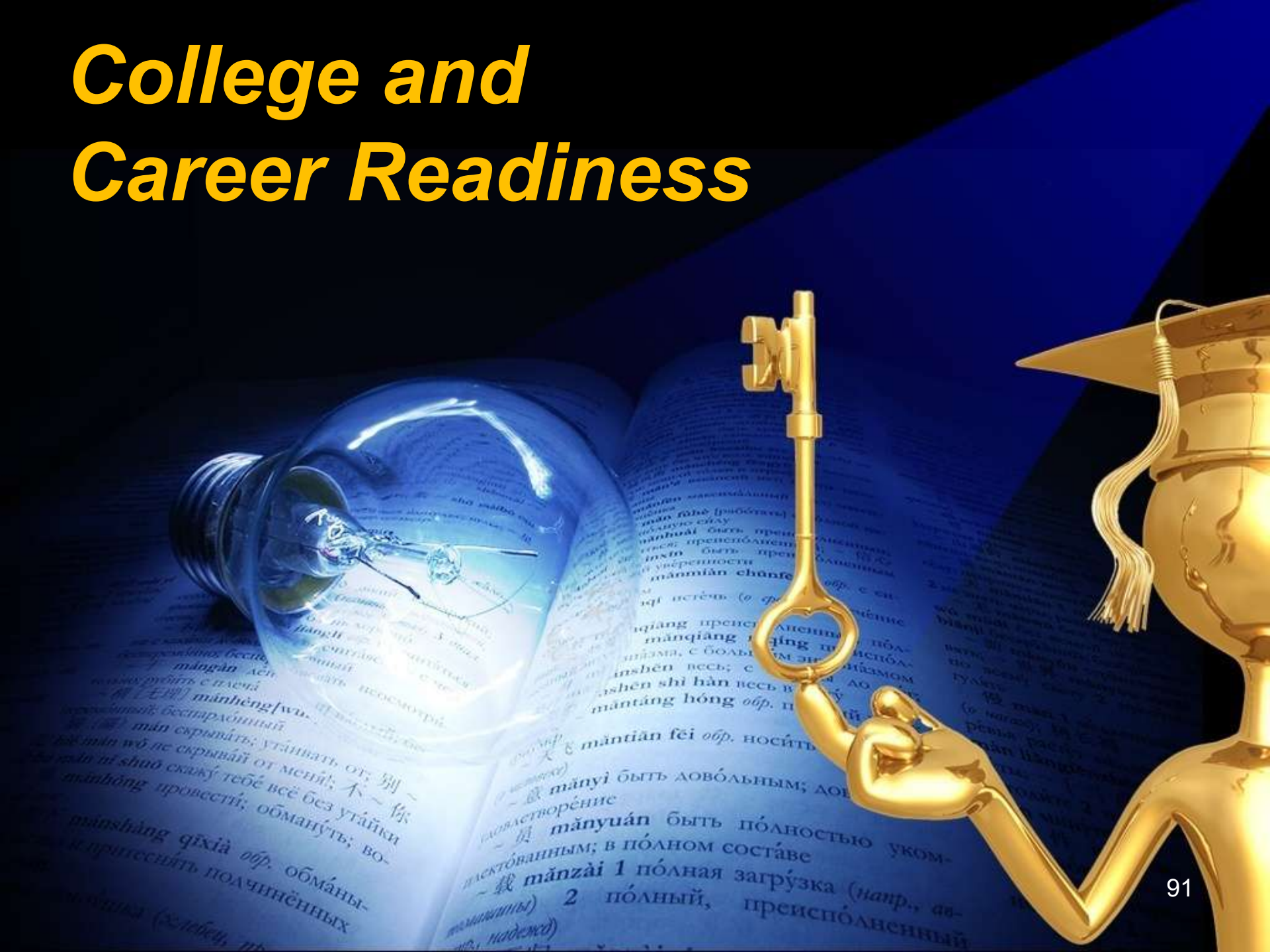
25 High Schools with the Most Students with 1 or More Key Indicators

SCHOOL	DISTRICT	NUMBER OF STUDENTS	% OF STUDENTS	9th GRADE ENROLLMENT
MARTINSBURG HS	BERKELEY COUNTY	286	44%	646
HEDGESVILLE HS	BERKELEY COUNTY	253	44%	573
CABELL MIDLAND HS	CABELL COUNTY	244	43%	563
HUNTINGTON HS	CABELL COUNTY	238	48%	495
WHEELING PARK HS	OHIO COUNTY	209	43%	490
RIVERSIDE HS	KANAWHA COUNTY	206	50%	412
CAPITAL HS	KANAWHA COUNTY	185	50%	369
PARKERSBURG HS	WOOD COUNTY	181	34%	532
BUCKHANNON UPSHUR	UPSHUR COUNTY	169	48%	349
LIBERTY HS	RALEIGH COUNTY	165	42%	390
SAINT ALBANS HS	KANAWHA COUNTY	164	44%	369
SOUTH CHARLESTON HS	KANAWHA COUNTY	158	47%	334
WASHINGTON HS	JEFFERSON COUNTY	158	46%	343
PARKERSBURG SOUTH	WOOD COUNTY	158	36%	437
WOODROW WILSON HS	RALEIGH COUNTY	157	37%	424
LINCOLN COUNTY HS	LINCOLN COUNTY	152	44%	342
MUSSELMAN HS	BERKELEY COUNTY	152	34%	452
JEFFERSON HS	JEFFERSON COUNTY	151	46%	331
PRESTON HS	PRESTON COUNTY	150	36%	412
GREENBRIER EAST HS	GREENBRIER COUNTY	144	40%	363
ROBERT C. BYRD HS	HARRISON COUNTY	141	51%	274
UNIVERSITY HS	MONONGALIA COUNTY	140	33%	425
HERBERT HOOVER HS	KANAWHA COUNTY	138	50%	275
PRINCETON SENIOR HS	MERCER COUNTY	134	41%	327
MORGANTOWN HS	MONONGALIA COUNTY	132	28%	474

So What Are the Data Telling Us and What Else Do We Need to Know and Do?

- Although we are generally above the national average in graduation rate, our rate is declining.
- We are not doing enough, early enough, to keep our students in school.
- This is a systemic issue, not just a high school issue.

College and Career Readiness



Student Preparation

- More than one million students graduate each year from high school assuming they are ready for college or the workplace – and they are not

- ALL graduates need the same knowledge and skills to be successful in
  - Two- or four-year college
  - Job that offers a career path at a self-supporting wage
  - Apprenticeship or related training
  - Military

ACT, 2008. Making the Dream a Reality: Action Steps for States to Prepare All Students for College and a Career

A Jobs Mismatch

Shifts in Educational Attainment for All Occupations

(Source: Inside Higher Ed. 6/15.2010)

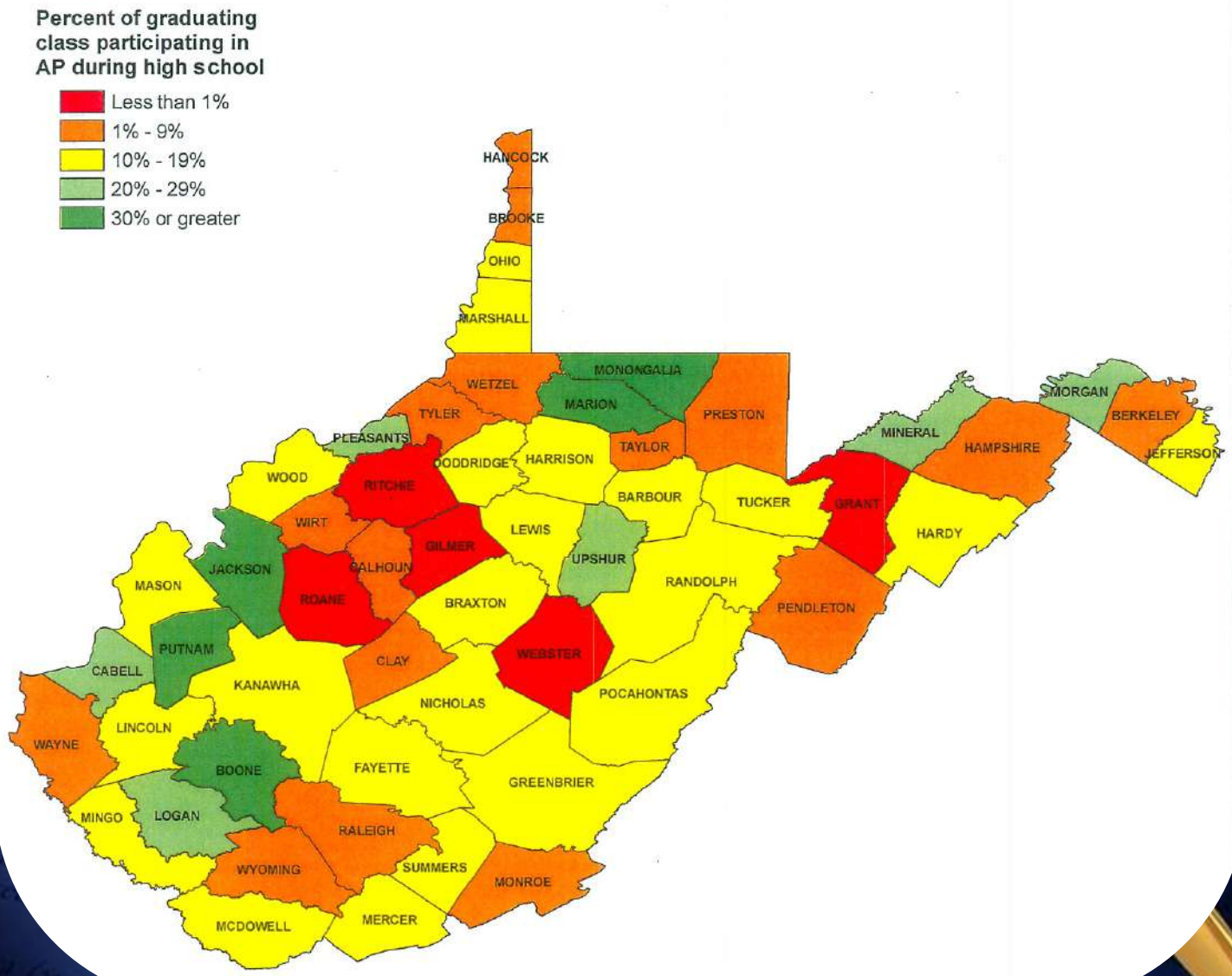
	1973	1992	2007	2018
Master's or higher	7%	10%	11%	10%
Bachelor's degree	9%	19%	21%	23%
Associate degree	12%	8%	10%	12%
Some college	n/a	19%	17%	17%
High school diploma	40%	34%	30%	28%
High school dropout	32%	10%	11%	10%

WV and National ACT-Tested Students College & Career Ready

	English	Mathematics	Reading	Science	All Four
2008-2009					
West Virginia	72%	30%	54%	25%	17%
Nation	67%	43%	53%	28%	22%
2007-2008					
West Virginia	72%	31%	52%	23%	16%
Nation	68%	43%	53%	28%	22%
2006-2007					
West Virginia	72%	30%	50%	22%	16%
Nation	69%	43%	53%	28%	23%
2005-2006					
West Virginia	72%	30%	52%	22%	16%
Nation	69%	42%	53%	27%	21%

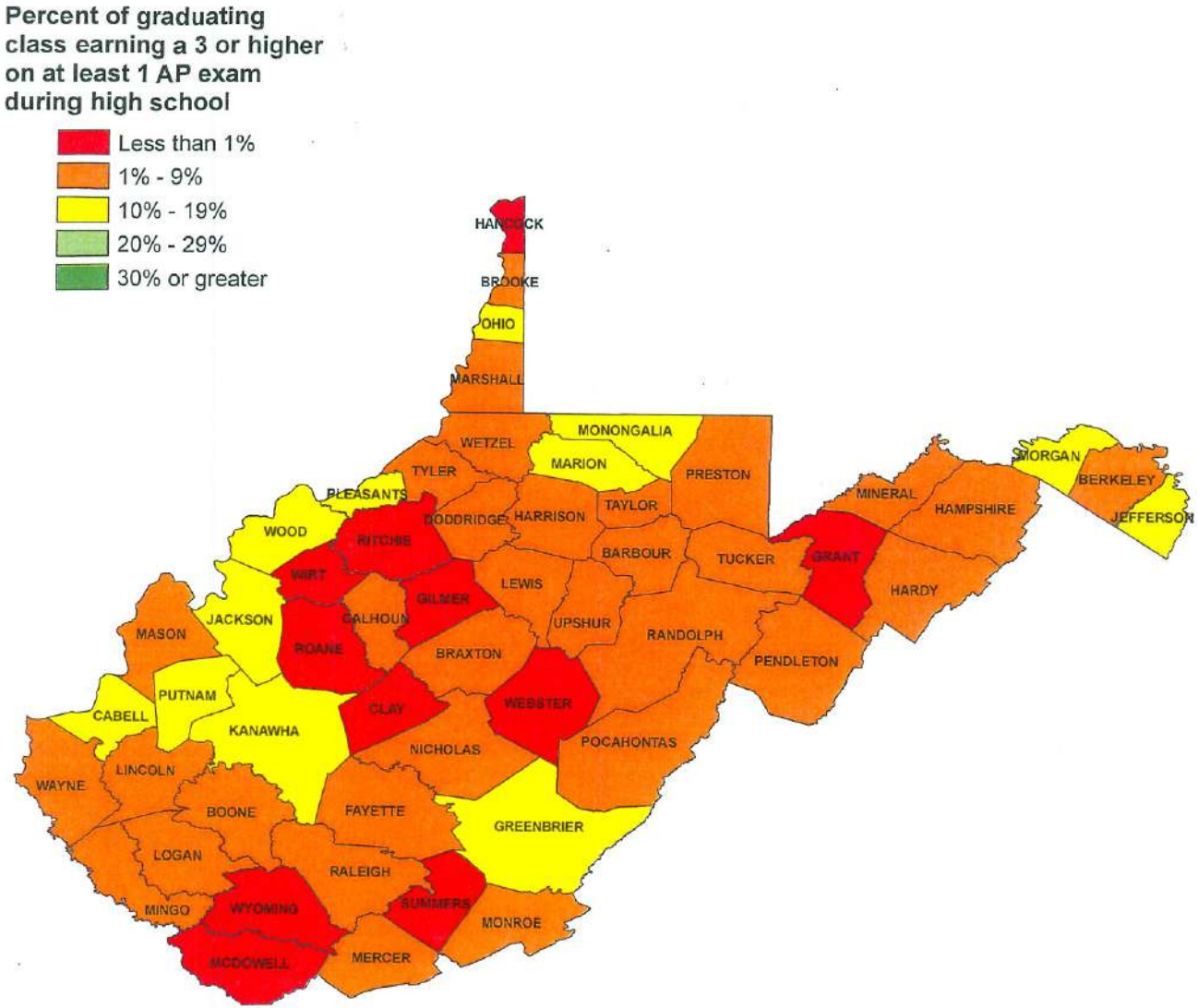
West Virginia Public Schools

Advanced Placement Participation by District: High School Class of 2009



West Virginia Public Schools

Advanced Placement Performance by District: High School Class of 2009



WV College Going Rate

- Fall 2009 – 61.5%
- Fall 2008 – 58.8%
- Fall 2007 – 57.5%

Student Preparation

Students who take two or more remedial college courses are unlikely to graduate

- Nearly 45% who plan to go to college after graduation have not taken courses that will allow them to proceed to credit-bearing, college courses

ACT, 2004. On Course for Success

WV High School Graduates in Developmental Courses

First-Time College Freshman

	% Developmental English	% Developmental Mathematics
2009	15.78	24.63
2008	15.79	27.55
2007	16.26	28.39
2006	14.07	26.93

Assuring College Readiness

Criteria	College Readiness Benchmark	On Track To Be College Ready
EXPLORE Mathematics	17	Yes/No
PLAN Mathematics	19	Yes/No
WESTEST 2 Grade 10 Mathematics Performance Level	Mastery	Yes/No
College Transitions Mathematics course placement based on EXPLORE, PLAN and Grade 10 WESTEST 2 Mathematics	Yes/No	

Supporting College Readiness

- AP Potential
  - Using PLAN to identify student readiness for rigorous courses in high school
- Dual credit/college courses
- EDGE
- WV Virtual School

So What Are the Data Telling Us and What Else Do We Need to Know and Do?

- Our college going rate has improved slightly but we continue to be below the national average on ACT results.
- Our ACT results show college bound students lack necessary preparation in math and science.
- Too few WV students are being channeled into and challenged by AP classes, a strong predictor of college success.
- Our remediation rate for math has declined but our remediation rate for English has increased over four years.

21st Century Skills

techSteps

- Participation rate of students in grades K-8 ranged from 65% in grade 3 to 74% in grade 8
- 6,354 teachers completed at least one project this year as compared to 1,954 last year

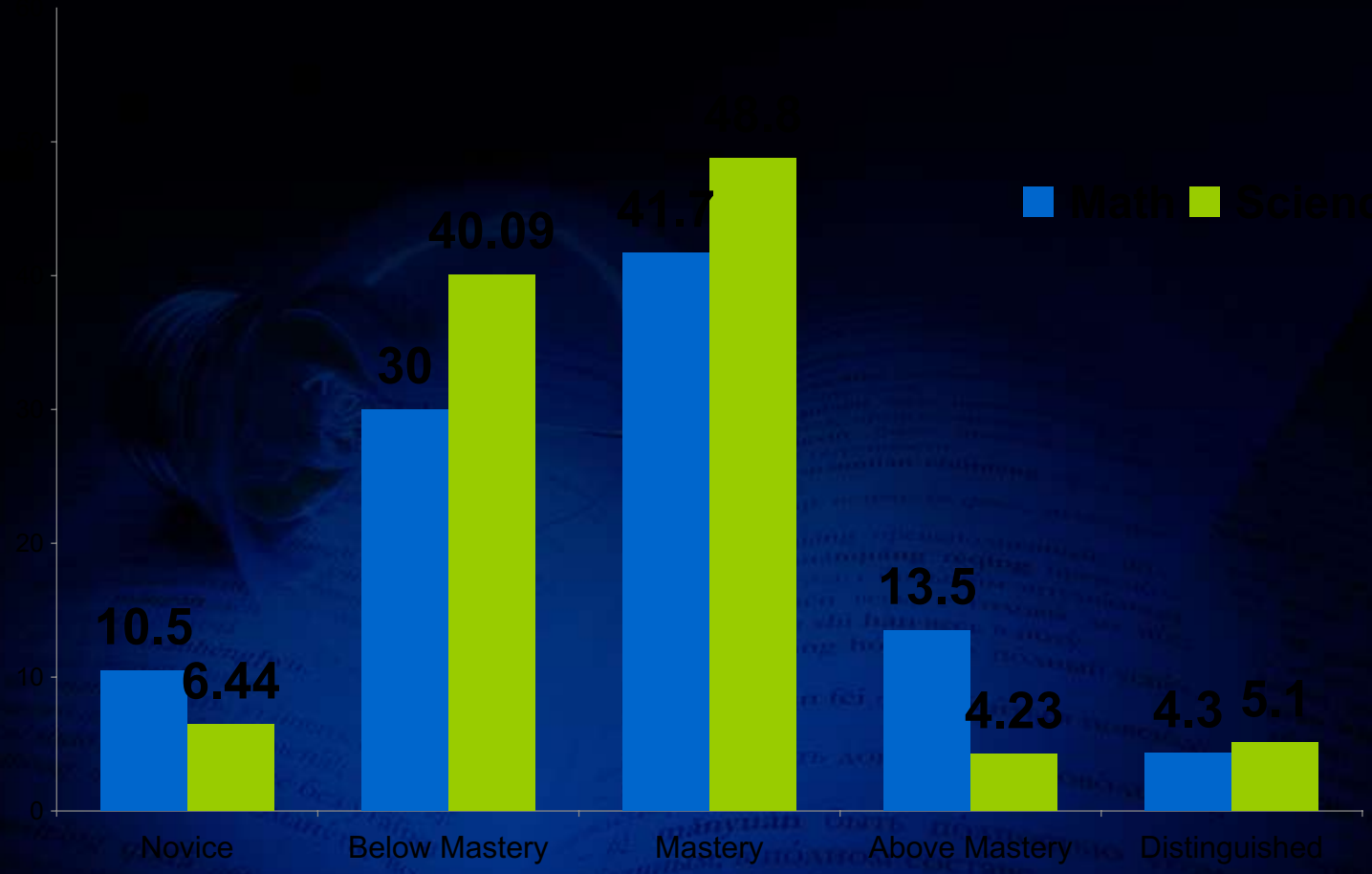
Infusion of 21st Century Skills into the Core Content

- Of approx. 120,000 students in grades 3-8
  - 84,544 used technology to produce and publish content
  - 74,132 used technology to gather and organize information
  - 78,928 used technology to represent situations using symbolic, graphic and dynamic models
  - 93,973 used technology productivity tools to research, think, learn and create

Infusion of 21st Century Skills into the Core Content

- Of approx. 180,000 students in grades k-8
  - 95,656 completed one or more projects generating evidence related to Creativity and Innovation Skills
  - 136,585 …related to Communication and Collaboration Skills
  - 110,563…related to Research Skills and Information Fluency
  - 132,583…related to Critical Thinking, Problem Solving and Decision Making Skills
  - 80,412…related to Digital Citizenship
  - 141,619…related to Technology Operation Skills and Concepts

WESTEST 2 Math and Science



So What Are the Data Telling Us and What Else Do We Need to Know and Do?

- You have emphasized 21st century skills in your districts and the data show promising practices and trends. You are to be congratulated.
- We need to continue our efforts in creating better ways to develop and assess student proficiency in this area.

So What Are the Data Telling Us and What Else Do We Need to Know and Do?

- Instead of what's broken and how do we fix it? Ask what's working and how can we do more of it?

Making a Personal and Public Commitment

Directions for Small Groups

- Grouped by similar levels of SES
- Facilitator for each group
- Data packet for each county
- Data on each of the 4 valued outcomes
- Time to review the data and reflect on priorities and actions
- Complete at least 2 charts for each student outcome
- At 4:30 – reports from groups