

## Key Facts on 2017 NAEP scores

### General Information

- There are 3 NAEP achievement levels
  - Basic – Represents partial mastery of prerequisite knowledge and skills that are fundamental for proficient work at each grade level.
  - Proficient – Represents solid academic performance for each grade assessed. Students reaching this level have demonstrated competency over challenging subject matter, including subject matter knowledge, application of such knowledge to real world situations, and appropriate analytical skills.
  - Advanced – Represents superior performance

### Overall

- Commitment to higher academic standards, intense focus on literacy, effective professional development and hard work of teachers and administrators resulted in Mississippi students maintaining the progress on the NAEP assessment and significantly increasing performance in 8<sup>th</sup> grade Reading.
- Overall, the 8<sup>th</sup> grade reading proficiency increased from 19 percent to 25 percent.
- Mississippi proficiency rates for 2017 in 4<sup>th</sup> grade reading and math and 8<sup>th</sup> grade math was not significantly different than in 2015, reflecting the national trend of flat results.
- **Mississippi was one of 10 states that showed a significant increase in 8<sup>th</sup> grade reading, tying with Washington state for the greatest gain in the nation at 4.4 points.**
- Nationally, lower performing students are trending down and higher performing students trending up. In Mississippi, lower performing students remained flat or showed slight improvement while top performing students went up, with the exception of 8<sup>th</sup> grade math. Percentages of students at or above proficient are increasing.
- Mississippi has grown faster than the nation in 4<sup>th</sup> and 8<sup>th</sup> grade Reading and Mathematics over the last 10 years.
- Over a 10-year period, Mississippi has achieved extraordinary gains in student academic performance, outpacing national growth:
  - Mississippi is 4<sup>th</sup> in the nation for gains in 4<sup>th</sup> grade math.
  - Mississippi is 7<sup>th</sup> in the nation for gains in 8<sup>th</sup> grade math.
  - Mississippi is 2<sup>nd</sup> in the nation for gains in 4<sup>th</sup> grade reading

- Mississippi is 12<sup>th</sup> in the nation for gains in 8<sup>th</sup> grade reading

### **About 4<sup>th</sup> grade math**

- In 2017, the average math score was 235, up from 234 in 2015. The score is within four points of the national average of 239.
- Math scores not significantly different from contiguous states.
- The percentage of students scoring at or above proficient was 31 percent, up from 30 percent in 2015, but lower than the national average of 40 percent.
  - Most subgroups' performance remained flat in NAEP proficiency since 2015. This includes students with disabilities, African Americans, females, and economically disadvantaged students. The one exception is performance by Hispanic students.
  - **In 4<sup>th</sup> grade mathematics, Hispanic students saw a 10-point increase in average score, from 229 in 2015 to 239 in 2017. This score was achieved with more students being tested in 2017 than in 2015.**

### **About 4<sup>th</sup> grade reading**

- In Mississippi, the average reading score for 4<sup>th</sup> grade reading was 215 as compared to 221 nationally.
- The average 4<sup>th</sup> grade reading score was not significantly different from 2015. The 10-year trend for Mississippi indicates a significant improvement in 4<sup>th</sup> grade reading from 208 in 2007 to 215 in 2017.
- The percentage of Mississippi 4<sup>th</sup> grade students who performed at or above Proficient in 2017, in reading was 27 percent; whereas nationally, 35 percent of 4<sup>th</sup> graders performed at or above proficient.
- Mississippi students' reading score was not significantly different than contiguous states.

### **About 8<sup>th</sup> grade math**

- In 2017, the average score of students in math was 271, the same as in 2015 and lower than the national average of 282.
- The proficiency rates in math remained the same as 2015, at 22 percent in 2017. The national average is 33 percent.
- The long-range trend in Mississippi's 8<sup>th</sup> grade math students indicates strong improvement from a score of 254 in 2000 to 271 in 2017.

### **About 8<sup>th</sup> grade reading**

- Mississippi was one of 10 states that showed a significant increase in 8<sup>th</sup> grade reading, tying with Washington state as the greatest gain in the nation at 4.4 points.
- Proficiency in 8<sup>th</sup> grade reading increased significantly from 20 percent in 2015 to 25 percent in 2017.
- In Mississippi, the average reading score for 8<sup>th</sup> grade students was 256, compared to 265 nationally.

### 10-Year Trend on Mississippi NAEP Scores

- The 10-year trend for Mississippi indicates a significant improvement in 8<sup>th</sup> grade reading from 250 in 2007 to 256 in 2017.
- The percentage of Mississippi 8<sup>th</sup> grade students who performed at or above proficient in reading in 2017 was 25 percent; whereas nationally, 35 percent of 8<sup>th</sup> grade students performed at or above Proficient.

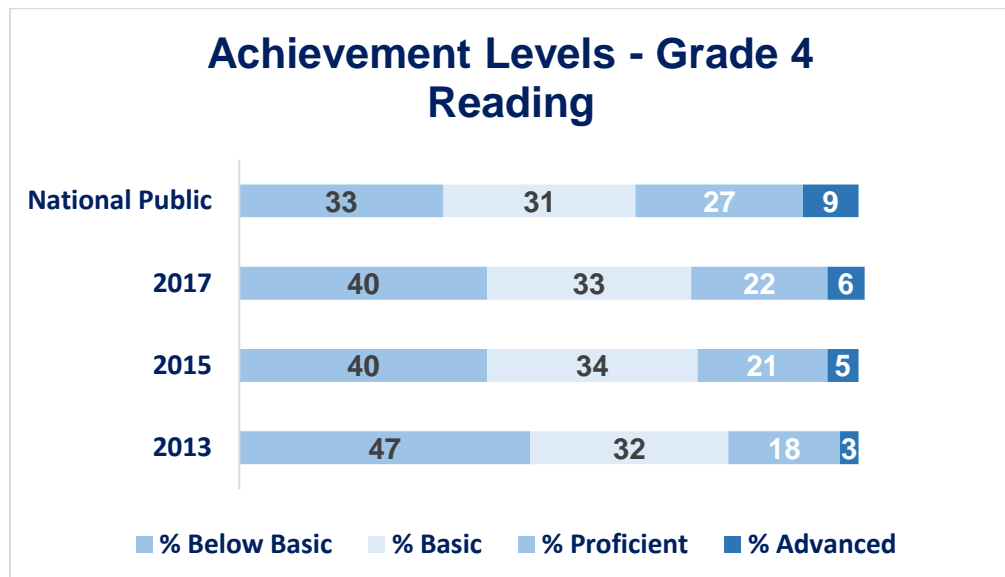
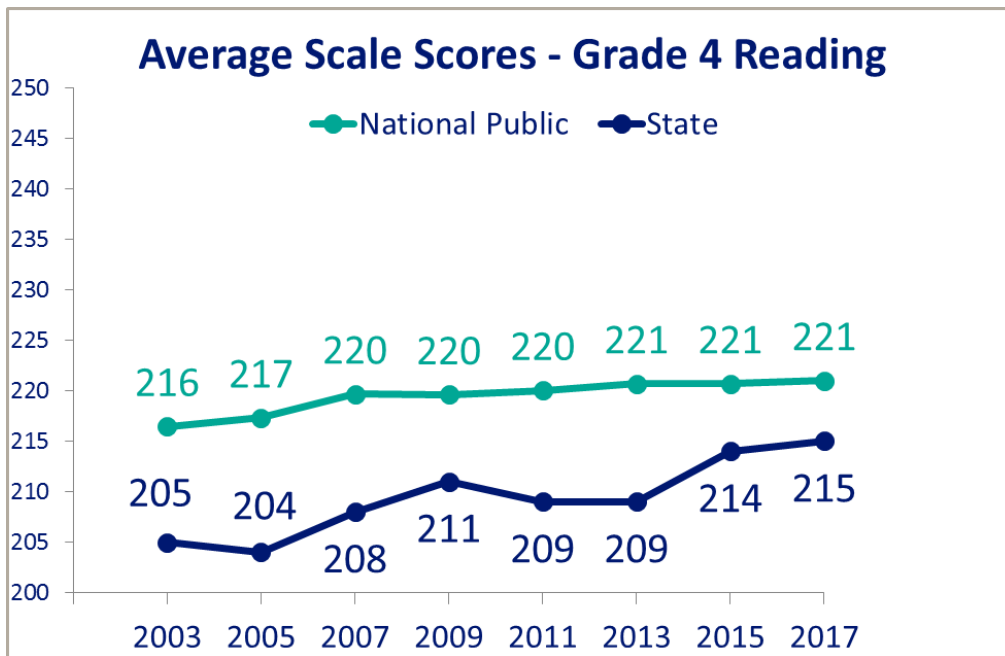
Reading 2007 to 2017						
	4 <sup>th</sup> Grade 2007	4 <sup>th</sup> Grade 2017	+/-	8 <sup>th</sup> Grade 2007	8 <sup>th</sup> Grade 2017	+/-
<b>MS</b>	208	215	+7	250	256	+6
<b>Nation</b>	220	221	+1	261	265	+4

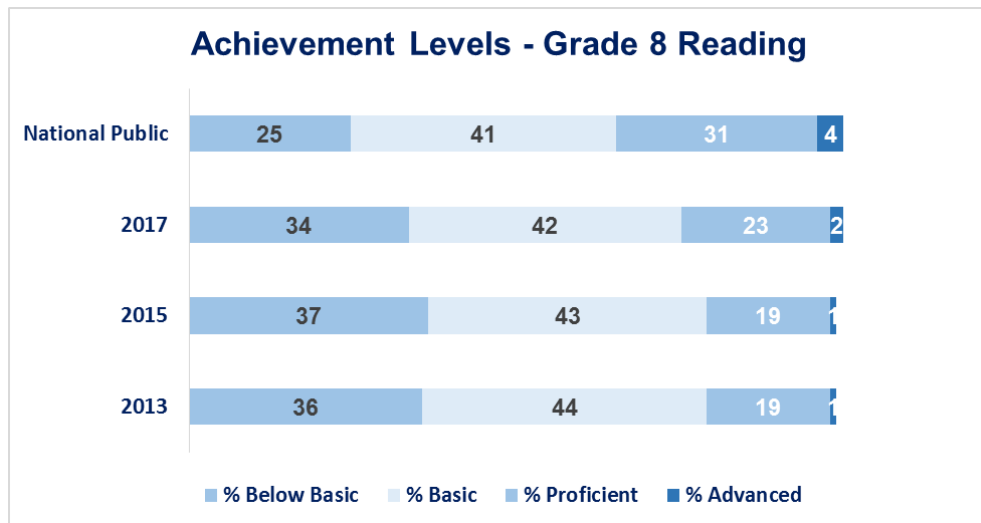
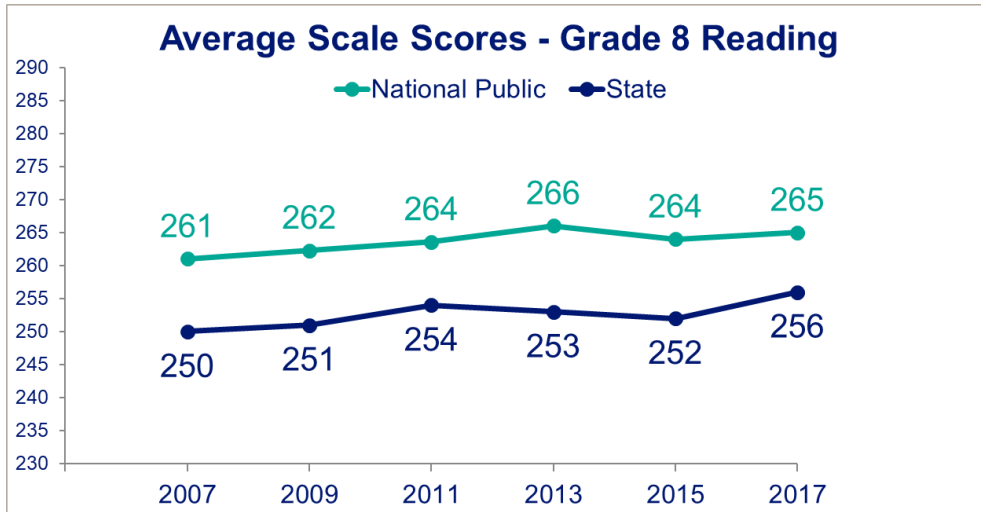
Mathematics 2007 to 2017						
	4 <sup>th</sup> Grade 2007	4 <sup>th</sup> Grade 2017	+/-	8 <sup>th</sup> Grade 2007	8 <sup>th</sup> Grade 2017	+/-
<b>MS</b>	228	235	+7	265	271	+6
<b>Nation</b>	239	239	0	280	282	+2

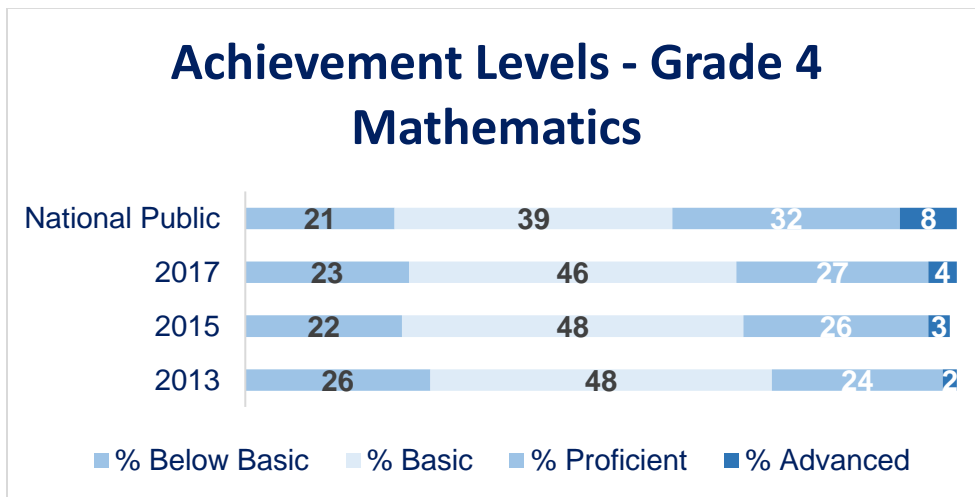
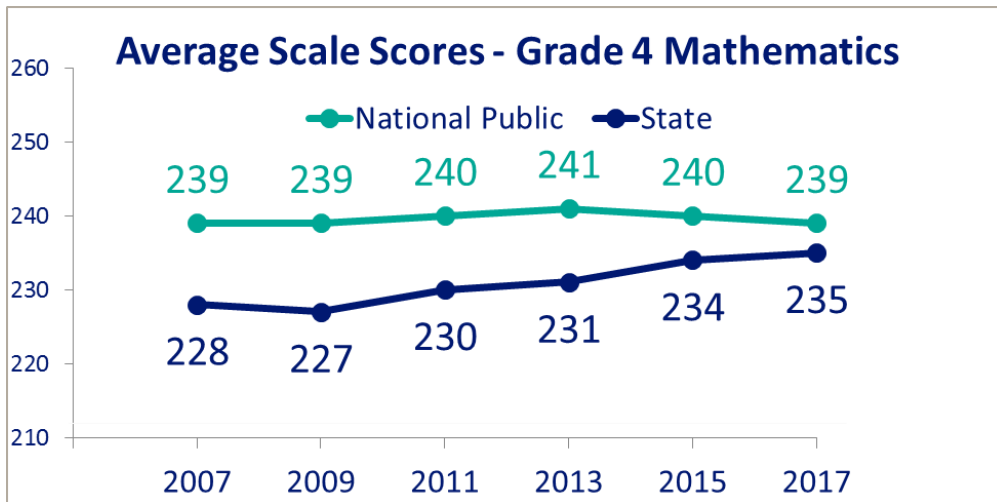
### Mississippi NAEP 2017 Summary

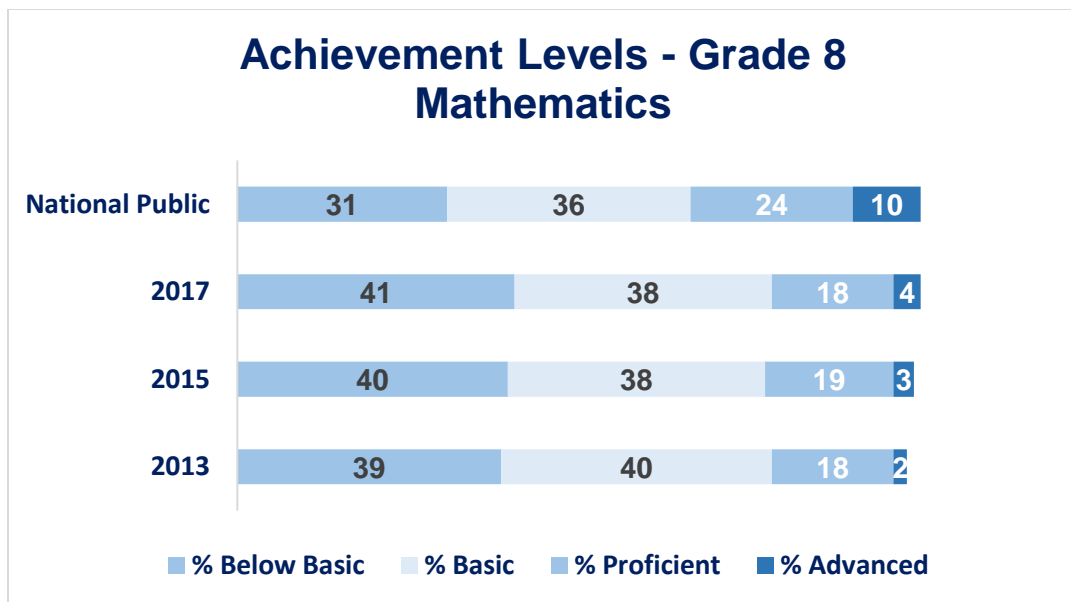
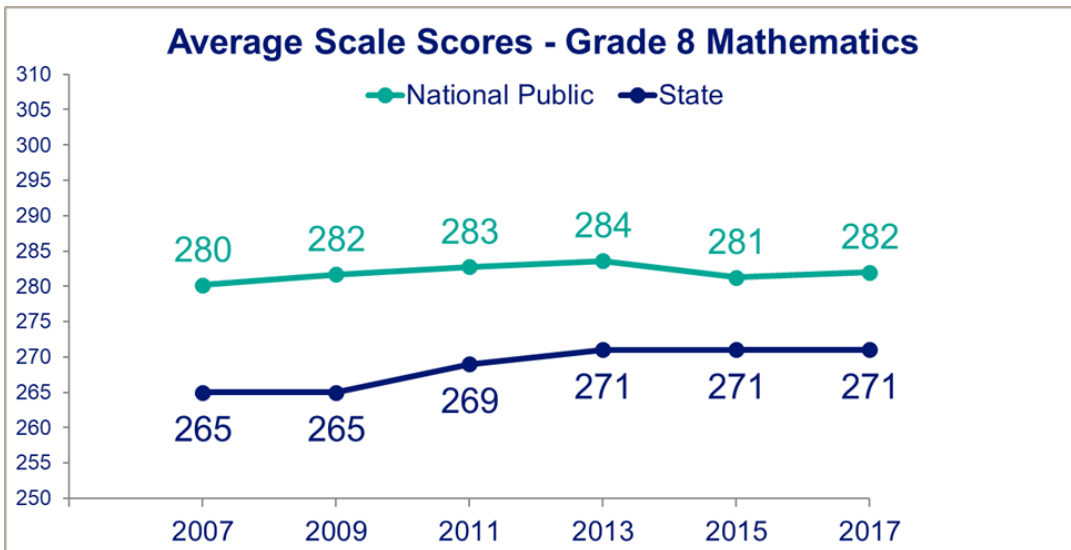
- We have more work to do. We cannot let up on the progress we've made, but progress must be a reality for all students as outlined by our State Board of Education goals. That's why our state plan to comply with the Every Student Succeeds Act (ESSA) puts a heavy focus on academic performance of subgroups of students.
- As educators, we know that systemic change happens over time, as evidenced by our 10-year trend of performance.
- The dedication and tireless work of our teachers and administrators and the resilience of our students are worthy of celebration. Parents play a vital role in ensuring our students remain on track to success.
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- Mississippi's students continue to benefit from the higher standards of learning in our classrooms as shown by the maintenance of proficiency scores. However, we must continue holding high expectations and provide supports for teachers and students if we are to see gains.









### Mississippi Compared to Contiguous States

<b>% of Students Scoring At or Above Proficient – Grade 4 Reading</b>		
	State	National Public
MS*	27%	<b>35%</b>
LA*	26%	
AR*	31%	
TN	33%	
AL*	31%	

<b>% of Students Scoring At or Above Proficient – Grade 8 Reading</b>		
	State	National Public
MS*	25%	<b>35%</b>
LA*	25%	
AR*	29%	
TN	31%	
AL*	28%	

<b>% of Students Scoring At or Above Proficient – Grade 4 Mathematics</b>		
	State	National Public
MS*	31%	<b>40%</b>
LA*	27%	
AR*	33%	
TN*	36%	
AL*	31%	

<b>% of Students Scoring At or Above Proficient – Grade 8 Mathematics</b>		
	State	National Public
MS*	22%	<b>33%</b>
LA*	19%	
AR*	25%	
TN*	30%	
AL*	21%	

\* Denotes percentage that is significantly different than National Public