



CONNECTICUT STATE DEPARTMENT OF EDUCATION

2019

Connecticut NAEP Math and Reading Results

October 30, 2019

EMBARGOED UNTIL WEDNESDAY, OCTOBER 30 AT 12:01 AM

The **National Assessment of Educational Progress (NAEP)**, a program of the U.S. Department of Education, is the largest nationally representative assessment of what American students know and are able to do in a variety of subjects.

The results from NAEP, often called “**The Nation’s Report Card**,” report the educational progress of students across the nation and allow states to compare the performance of their students to the performance of students in other states throughout the country.

Since NAEP selects a representative sample of students to be assessed rather than testing all students, NAEP does not report results for individual schools or students. However, NAEP reports do provide extensive details around the performance of student groups in every state over time, as well as achievement differences between groups.



Connecticut NAEP 2019 Performance in Math and Reading

- Students in Grade 4 showed improved performance in mathematics when compared to 2017 results. Grade 8 results for mathematics remained the same as 2017.
- Reading performance for Grade 4 students declined when compared to 2017 results. Connecticut NAEP scores remained steady in grade 8 reading when compared to 2017.
- Connecticut students perform better than the nation in Grades 4 and 8 math and reading.



Note: All references to the “nation” are to the National Public (NP) results.

National Results

Summary of changes from 2017 to 2019 across all jurisdictions (50 states and D.C. and Department of Defense)

MATHEMATICS

- **National Public Schools:** The average scale score in Grade 4 improved. Grade 8 declined.
- **Connecticut:** Grade 4 improved and Grade 8 did not change.

READING

- **National Public Schools:** The average scale scores in Grades 4 and 8 declined.
- **Connecticut:** Grade 4 declined and Grade 8 did not change.

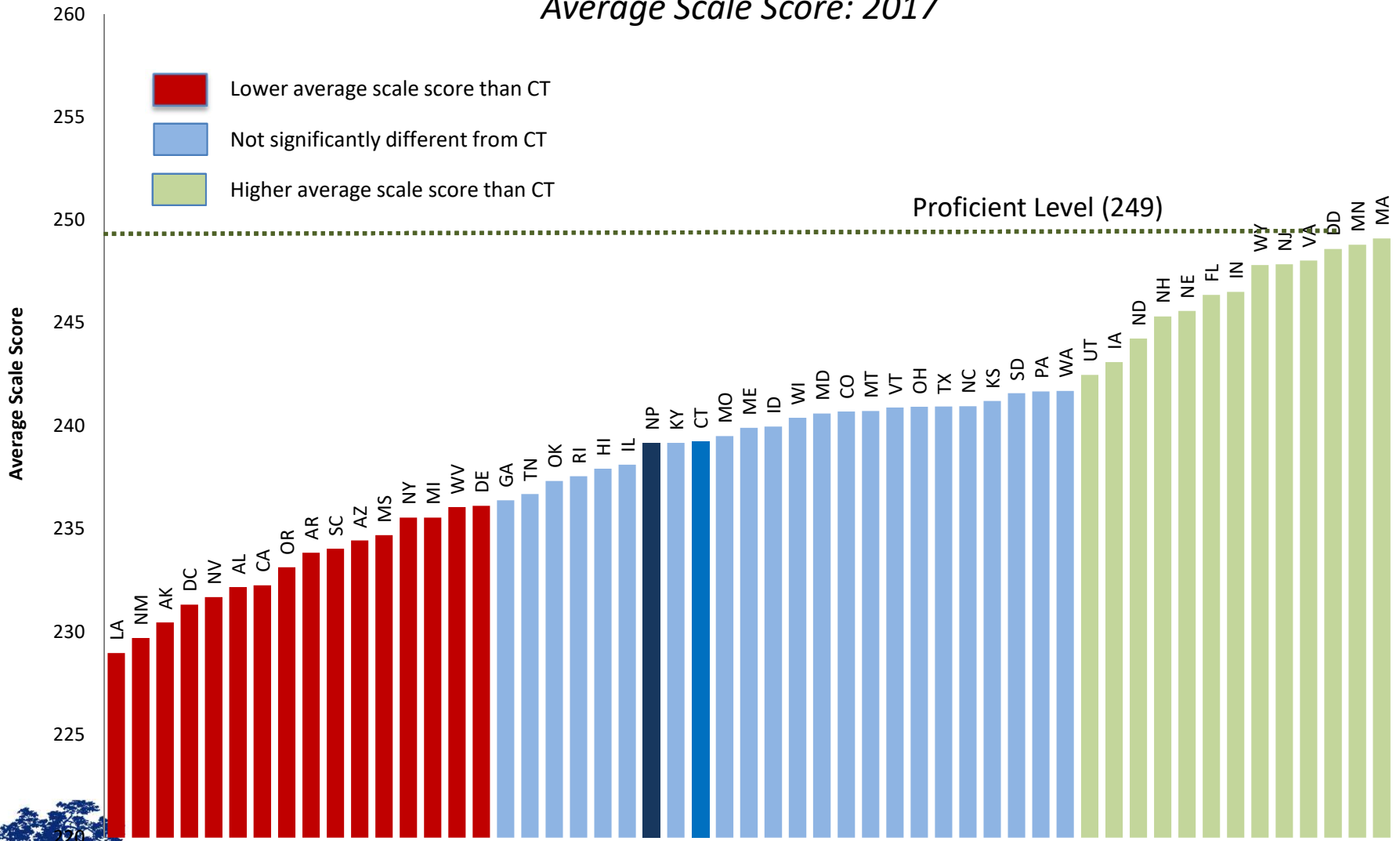
	MATHEMATICS		READING	
	Grade 4	Grade 8	Grade 4	Grade 8
↑	9	3 (LA, DC, MS)	1 (MS)	1 (DC)
↓	3	6	17	31
=	40	43	34	20



Connecticut NAEP 2017 Performance Relative to Other States

NAEP Mathematics Grade 4 – Overall

Average Scale Score: 2017

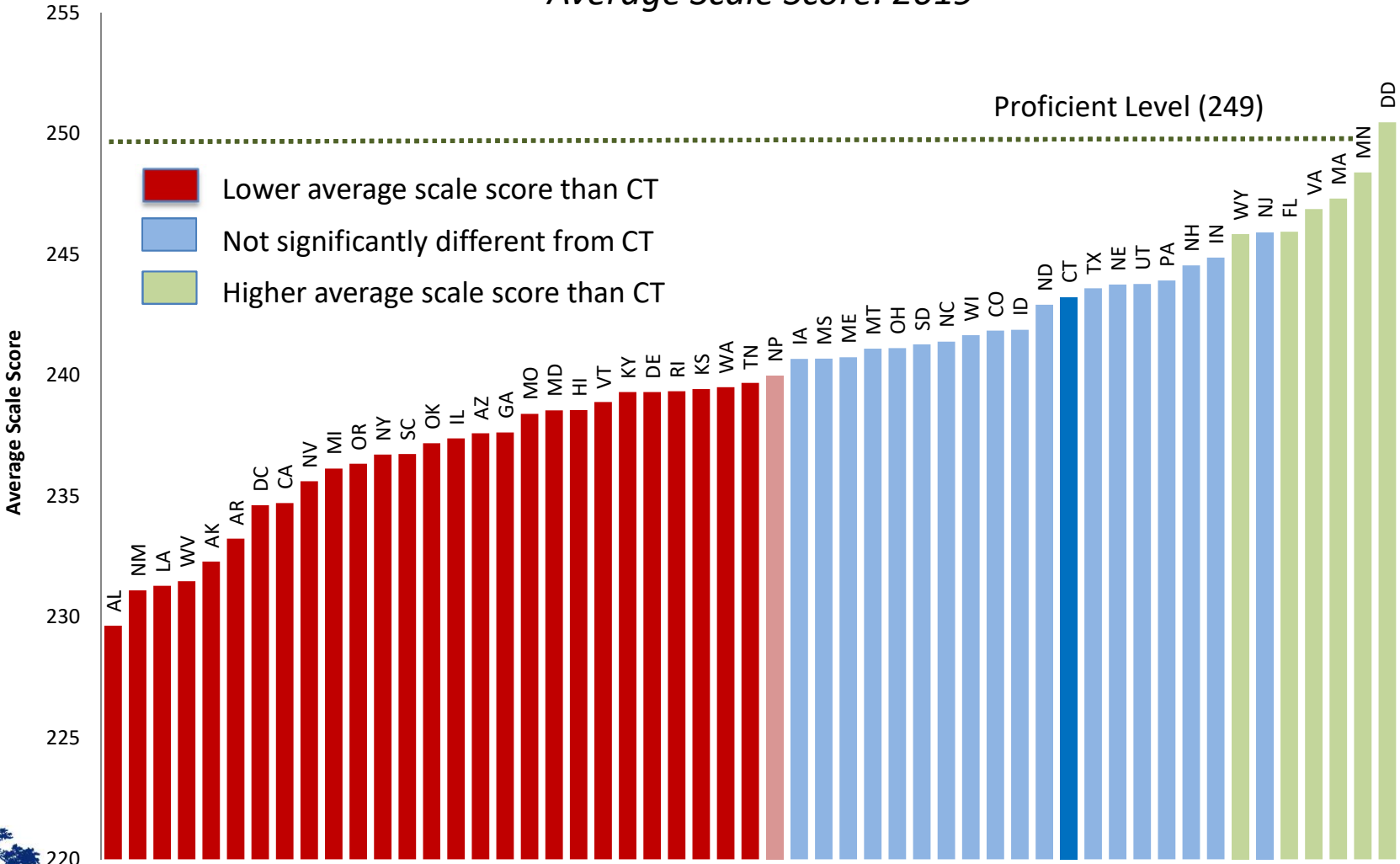


NOTE: The NAEP grade 4 mathematics scale ranges from 0 to 500.



Connecticut NAEP 2019 Performance Relative to Other States

NAEP Mathematics Grade 4 – Overall Average Scale Score: 2019

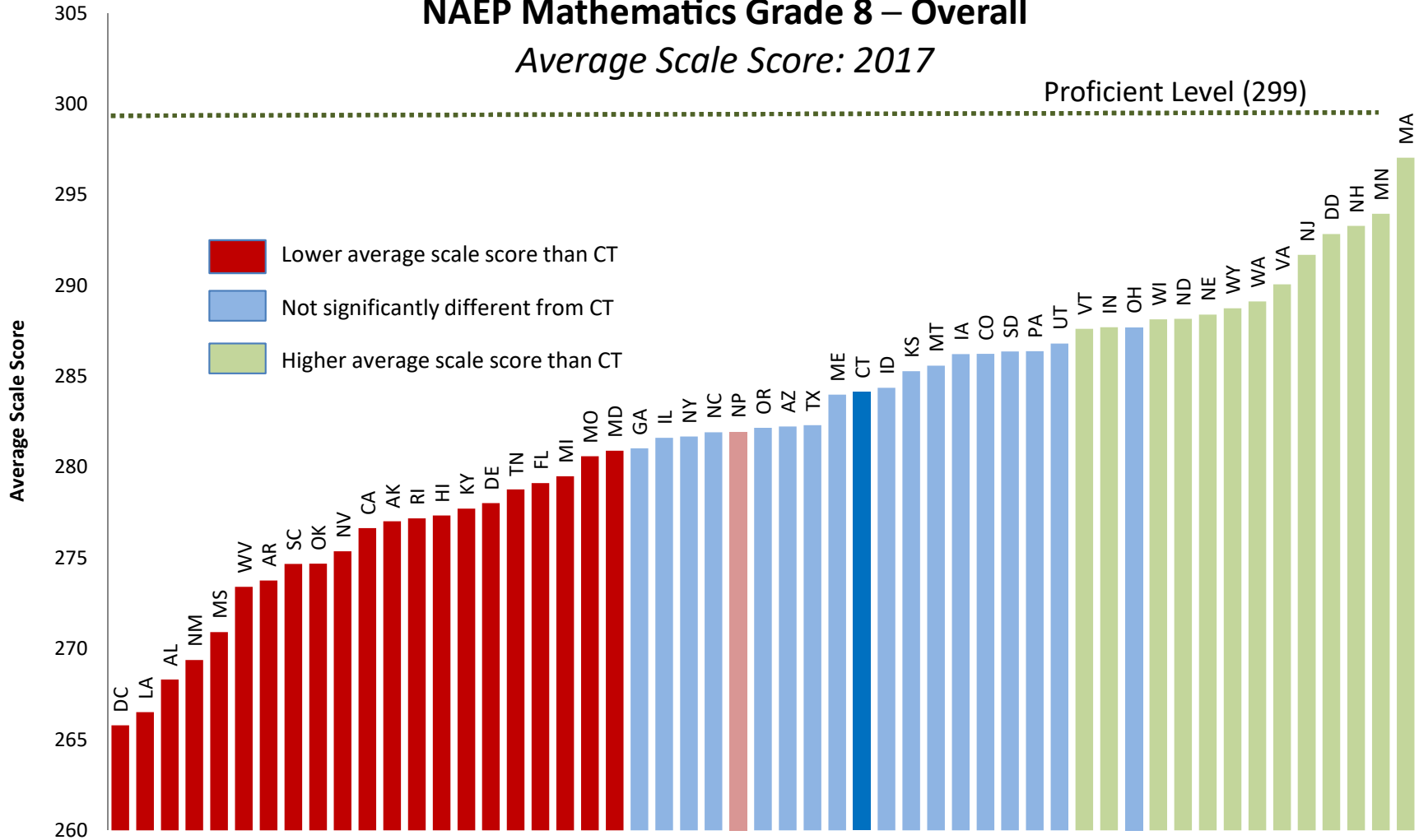


NOTE: The NAEP grade 4 mathematics scale ranges from 0 to 500.



Connecticut NAEP 2017 Performance Relative to Other States

NAEP Mathematics Grade 8 – Overall Average Scale Score: 2017

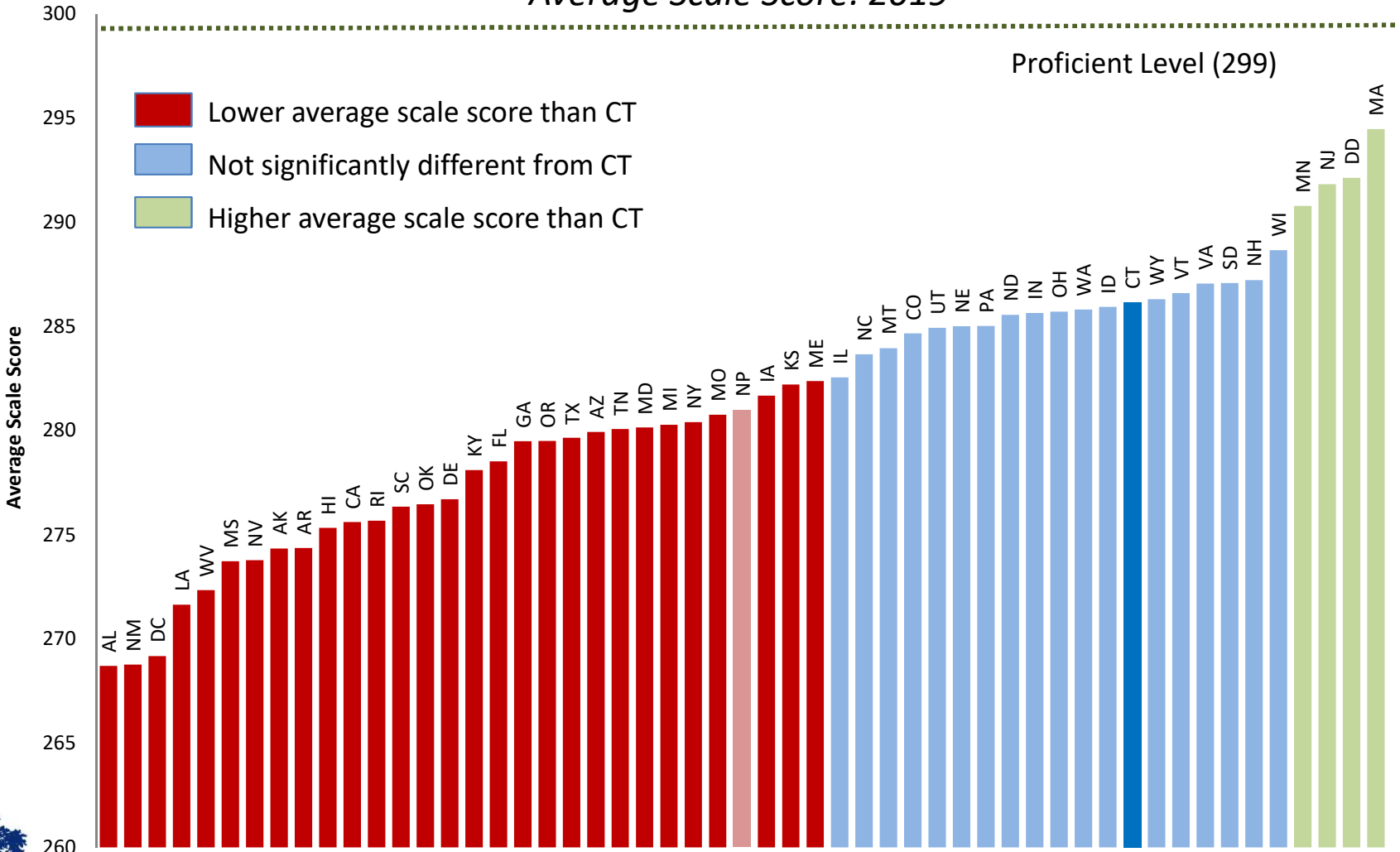


NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500.



Connecticut NAEP 2019 Performance Relative to Other States

NAEP Mathematics Grade 8 – Overall Average Scale Score: 2019



NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500.

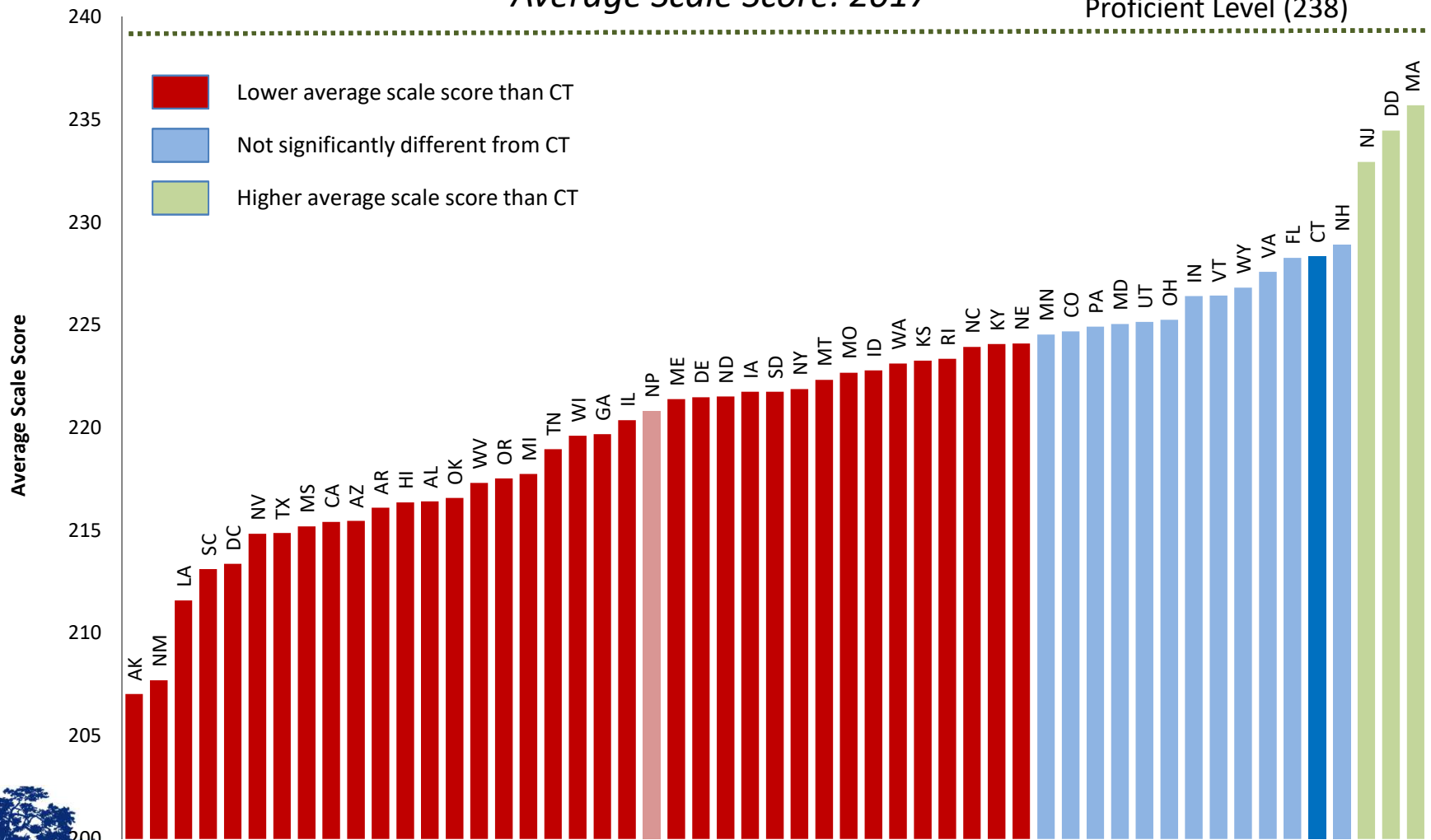


Connecticut NAEP 2017 Performance Relative to Other States

NAEP Reading Grade 4 – Overall

Average Scale Score: 2017

Proficient Level (238)



NOTE: The NAEP grade 4 reading scale ranges from 0 to 500.

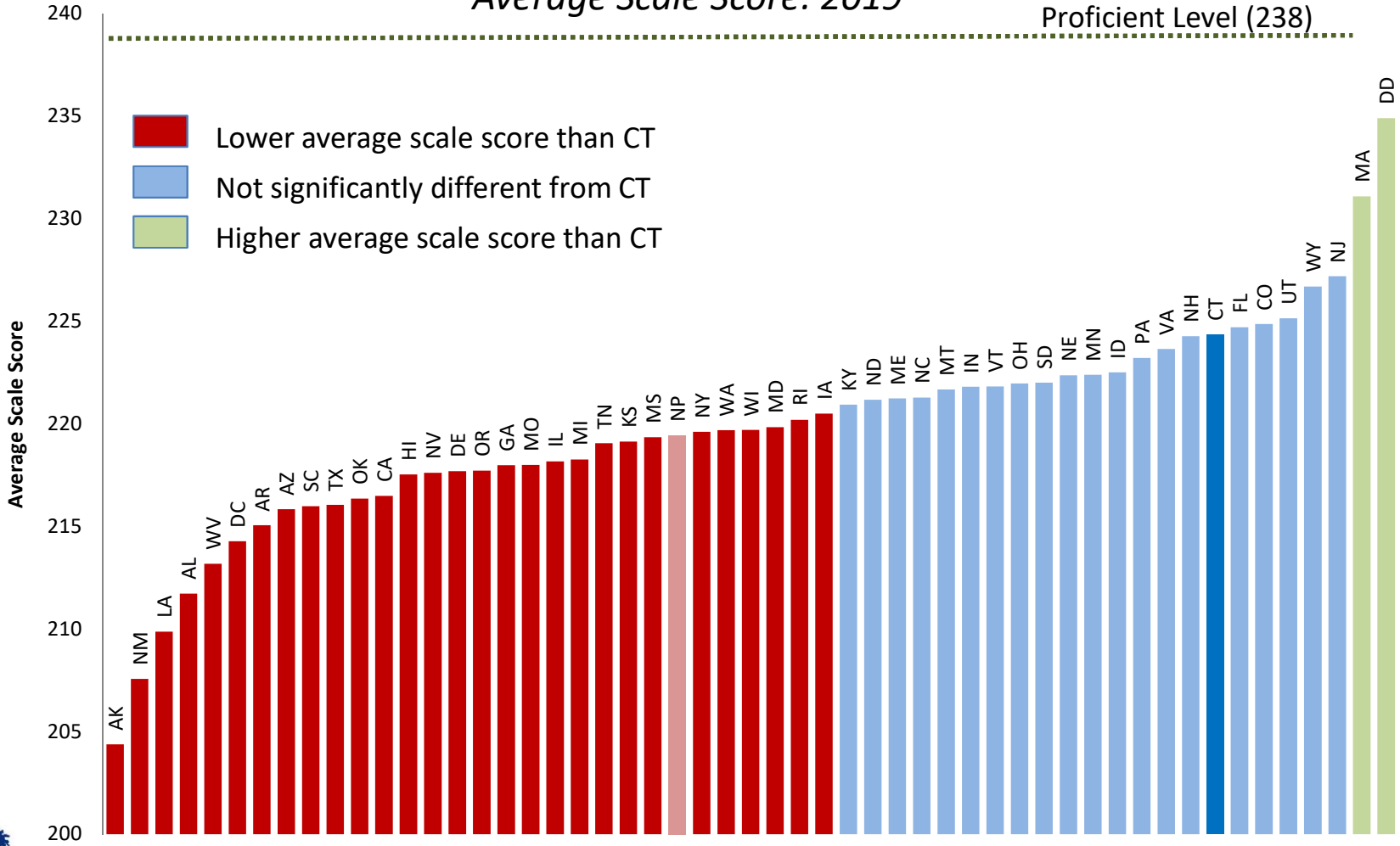


Connecticut NAEP 2019 Performance Relative to Other States

NAEP Reading Grade 4 – Overall

Average Scale Score: 2019

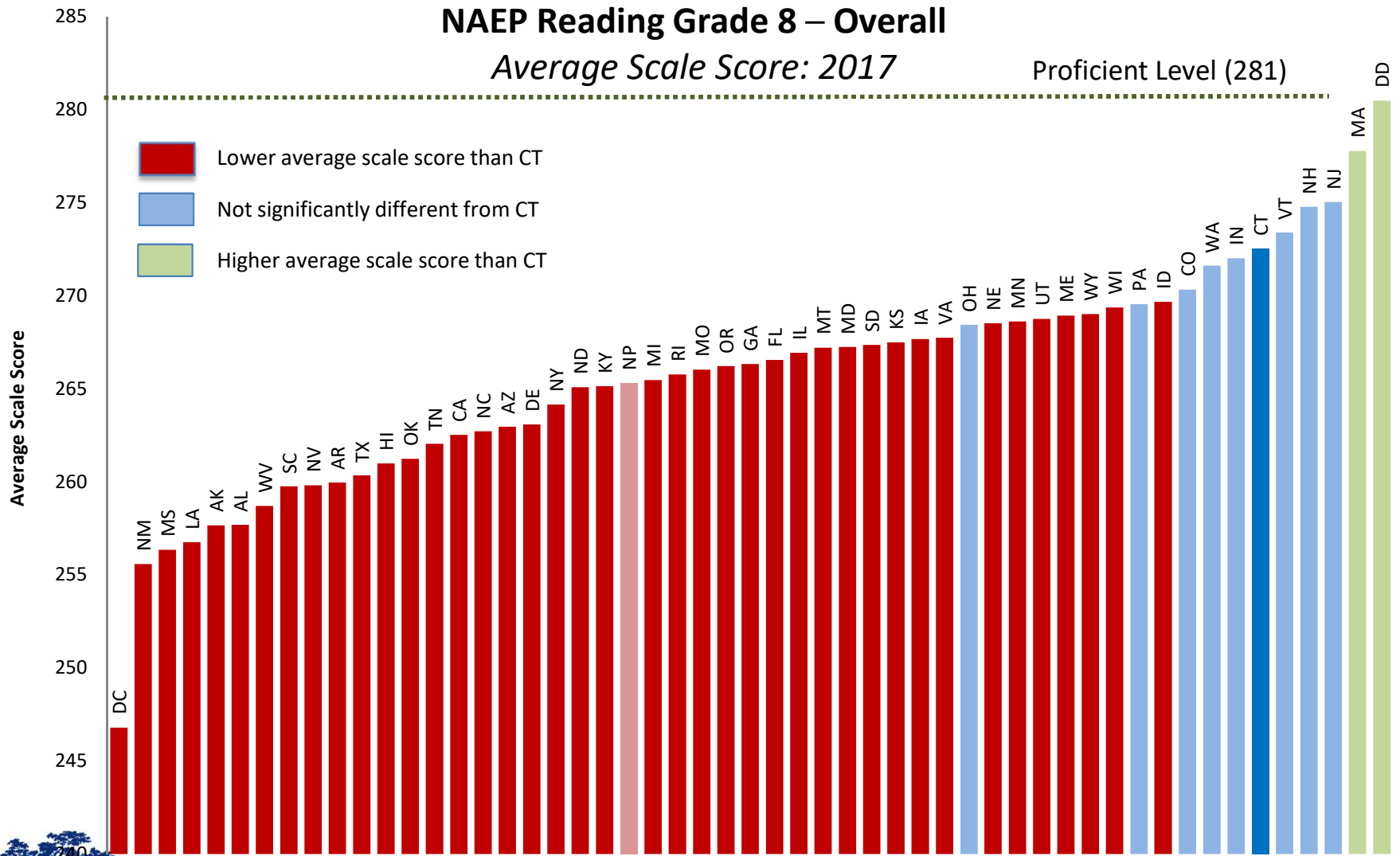
Proficient Level (238)



NOTE: The NAEP grade 4 reading scale ranges from 0 to 500.



Connecticut NAEP 2017 Performance Relative to Other States

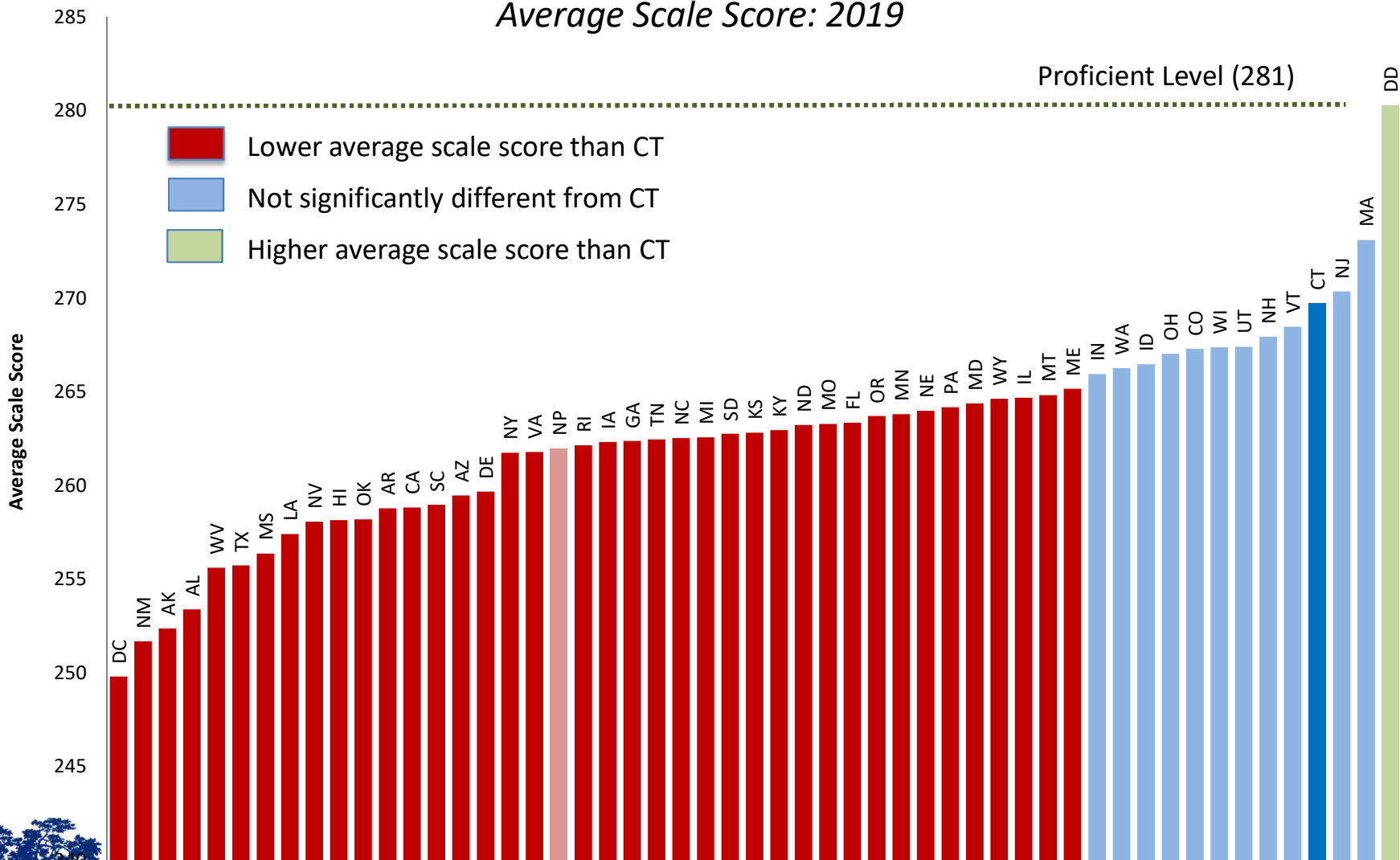


NOTE: The NAEP grade 8 reading scale ranges from 0 to 500.



Connecticut NAEP 2019 Performance Relative to Other States

NAEP Reading Grade 8 – Overall Average Scale Score: 2019



NAEP 2019 Mathematics Student Group Results: Comparison of Connecticut to the Nation (NP)

	Grade 4			Grade 8		
	CT Avg. SS	NP Avg. SS	CT Compared to NP*	CT Avg. SS	NP Avg. SS	CT Compared to NP*
All	243	240	↑	286	281	↑
White	252	249	↑	299	291	↑
Black	227	224	=	256	259	=
Hispanic	228	231	=	263	268	↓
Asian/Pacific Islander	264	261	=	327	309	↑
NSLP ¹	227	229	=	263	266	↓
Students with Disabilities (IEP only)	212	211	=	246	242	=
English Learners	217	219	=	228	243	↓

NSLP¹ - NSLP is the National School Lunch Program. Eligibility is used as a proxy for measuring poverty.

* An arrow is used when the difference between the scores is statistically significant (see [explanation of statistical significance](#) and why it is used in NAEP reporting).



NAEP 2019 Reading Student Group Results: Comparison of Connecticut to the Nation (NP)

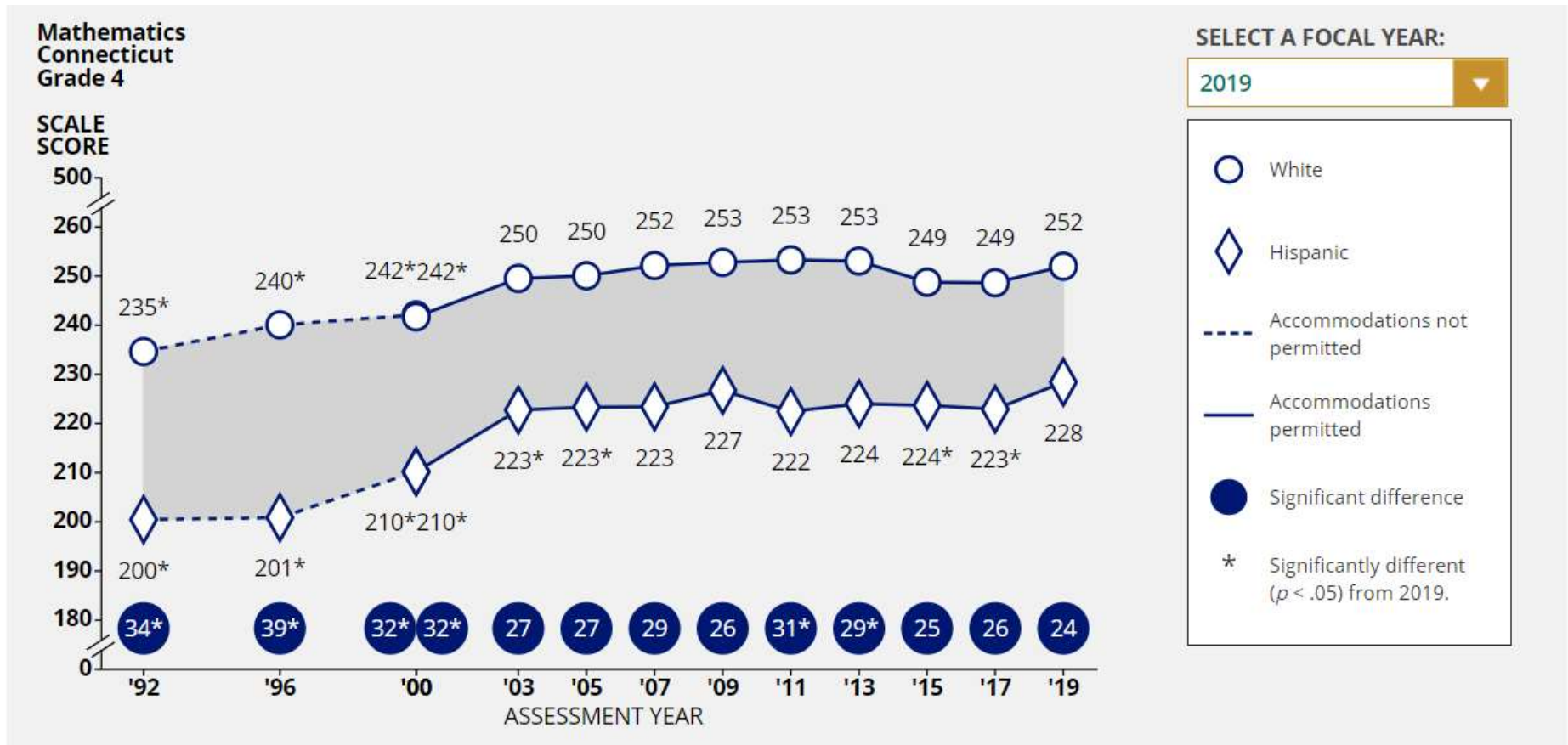
	Grade 4			Grade 8		
	CT Avg. SS	NP Avg. SS	CT Compared to NP*	CT Avg. SS	NP Avg. SS	CT Compared to NP*
All	224	219	↑	270	262	↑
White	237	229	↑	279	271	↑
Black	204	203	=	251	244	↑
Hispanic	204	208	=	253	251	=
Asian/Pacific Islander	248	237	↑	286	281	=
NSLP ¹	205	207	=	254	249	↑
Students with Disabilities (IEP only)	176	180	=	231	224	↑
English Learners	188	191	=	220	221	=

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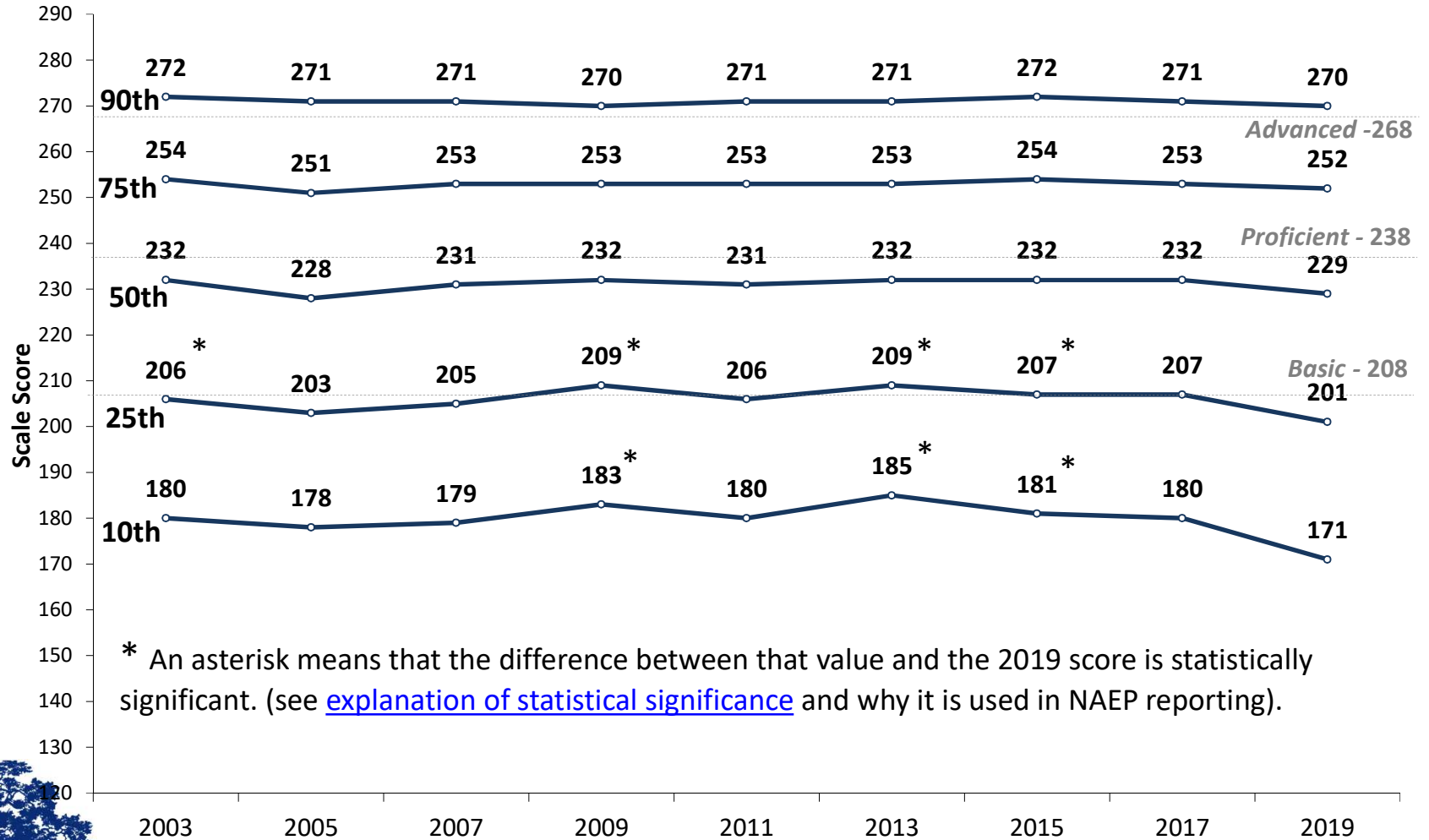


Grade 4 Mathematics: Improvement in Hispanic Student Performance Over Time Narrows the Achievement Gap



Lower Performing Students are Falling Behind

NAEP Reading Grade 4 – Overall in Connecticut
Scale Scores by Percentiles: 2003-2019



* An asterisk means that the difference between that value and the 2019 score is statistically significant. (see [explanation of statistical significance](#) and why it is used in NAEP reporting).



NAEP 2019 Mathematics: Population Shifts Across the Decade

	Grade 4		Grade 8	
	2009 Percentage	2019 Percentage	2009 Percentage	2019 Percentage
All	100	100	100	100
White	66	52*	70	56*
Black	12	11	12	11
Hispanic	17	27*	15	24*
Asian/Pacific Islander	4	6	4	5*
NSLP ¹	30	44*	26	38*
Students with Disabilities (IEP only)	10	12*	10	14*
English Learners	5	10*	3	4

NSLP¹ - NSLP is the National School Lunch Program. Eligibility is used as a proxy for measuring poverty.

* An asterisk is used when the difference between the percentages is statistically significant (see [explanation of statistical significance](#) and why it is used in NAEP reporting).



NAEP 2019 Reading: Population Shifts Across the Decade

	Grade 4		Grade 8	
	2009 Percentage	2019 Percentage	2009 Percentage	2019 Percentage
All	100	100	100	100
White	67	52*	71	57*
Black	12	11	11	12
Hispanic	16	28*	14	23*
Asian/Pacific Islander	4	5	4	5*
NSLP ¹	29	45*	26	39*
Students with Disabilities (IEP only)	9	12*	10	15*
English Learners	4	10*	2	4*

NSLP¹ - NSLP is the National School Lunch Program. Eligibility is used as a proxy for measuring poverty.

* An asterisk is used when the difference between the percentages is statistically significant (see [explanation of statistical significance](#) and why it is used in NAEP reporting).



Summary

- Grade 4 Mathematics (↑)
 - Connecticut's improvement is being fueled by rising Hispanic student performance.
 - Only 9 states (including CT) showed increases.
 - Connecticut's achievement is now greater than that of the national public school average.
- Grade 8 Mathematics (=)
 - Connecticut's performance held steady while the national public school average declined.
- Grade 4 Reading (↓)
 - Though the proficiency rate did not change from 2017 to 2019, the average scale score decreased; the lowest achieving students (bottom 10 and 25 percent) are declining over time.
 - Only MA and DoD have higher achievement than Connecticut.
- Grade 8 Reading (=)
 - Performance in Connecticut is unchanged while performance in 31 states and the national public school average declined.
 - Only Department of Defense schools earn a higher score than Connecticut.
- Connecticut's population is changing.
 - Over the last decade, student groups with greater academic and non-academic needs comprise a growing percentage of our student population.
 - These shifts are true across a wide variety of Connecticut school districts.
 - They require us to change our approaches to instruction and supports for students *and* educators.

