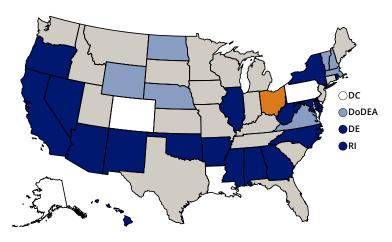


### **2015 Science State Snapshot Report** Ohio • Grade 4 • Public Schools

#### **Overall Results**

- In 2015, the average score of fourth-grade students in Ohio was 157. This was higher than the average score of 153 for public school students in the nation.
- The average score for students in Ohio in 2015 (157) was not significantly different from their average score in 2009 (157).
- The percentage of students in Ohio who performed at or above the NAEP *Proficient* level was 41 percent in 2015. This percentage was not significantly different from that in 2009 (41 percent).
- The percentage of students in Ohio who performed at or above the NAEP *Basic* level was 81 percent in 2015. This percentage was not significantly different from that in 2009 (79 percent).

## Compare the Average Score in 2015 to Other States/Jurisdictions



In 2015, the average score in Ohio (157) was

lower than those in 8 states/jurisdictions

higher than those in 18 states/jurisdictions

not significantly different from those in 20 states/jurisdictions

5 states/jurisdictions did not participate in 2015

DoDEA = Department of Defense Education Activity (overseas and domestic schools)

#### **Results for Student Groups in 2015**

	Percentage	A		entage at	Percentage	•		
Reporting Groups	fo students	Avg.		above Proficient	at Advanced			
Race/Ethnicity	students	score	DUSIC	FIOJICIEII	Auvunceu			
White	72	164	89	48	1			
Black	16	127	46	9	#			
Hispanic	5	144	65	28	#			
Asian	2	‡	‡	‡	‡			
American Indian/Alaska Native	#	‡	‡	‡	‡			
Native Hawaiian/Pacific Islande	r #	‡	‡	‡	‡			
Two or more races	5	159	80	40	2			
Gender								
Male	51	159	81	43	1			
Female	49	156	80	39	#			
National School Lunch Program								
Eligible	47	143	67	23	#			
Not eligible	51	170	93	57	1			
# Deunda te zere								

# Rounds to zero.

‡ Reporting standards not met.

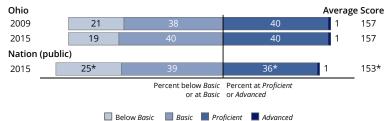
NOTE: Detail may not sum to totals because of rounding, and because the "Information not available" category for the National School Lunch Program, which provides

free/reduced-price lunches, is not displayed. Black includes African American and Hispanic includes Latino. Race categories exclude Hispanic origin.



NOTE: The NAEP science scale ranges from 0 to 300. Statistical comparisons are calculated on the basis of unrounded scale scores or percentages. SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2009 and 2015 Science Assessments.

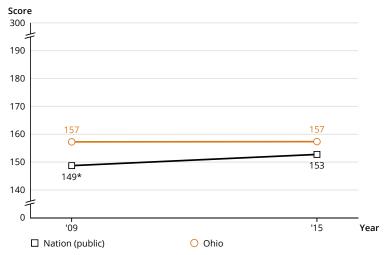
## Achievement-Level Percentages and Average Score Results



\* Significantly different (p < .05) from state's results in 2015. Significance tests were performed using unrounded numbers.

NOTE: Detail may not sum to totals because of rounding.

#### Average Scores for State/Jurisdiction and Nation (public)



\* Significantly different (p < .05) from 2015. Significance tests were performed using unrounded numbers.

#### Score Gaps for Student Groups

- In 2015, Black students had an average score that was 37 points lower than that for White students. This performance gap was not significantly different from that in 2009 (37 points).
- In 2015, Hispanic students had an average score that was 20 points lower than that for White students. This performance gap was not significantly different from that in 2009 (25 points).
- In 2015, male students in Ohio had an average score that was not significantly different from that for female students.
- In 2015, students who were eligible for free/reduced-price school lunch, an indicator of low family income, had an average score that was 27 points lower than that for students who were not eligible. This performance gap was not significantly different from that in 2009 (30 points).

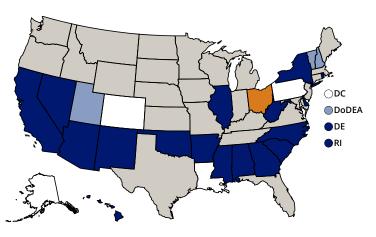


### 2015 Science State Snapshot Report Ohio • Grade 8 • Public Schools

## **Overall Results**

- In 2015, the average score of eighth-grade students in Ohio was 157. This was higher than the average score of 153 for public school students in the nation.
- The average score for students in Ohio in 2015 (157) was not significantly different from their average score in 2011 (158) and in 2009 (158).
- The percentage of students in Ohio who performed at or above the NAEP *Proficient* level was 38 percent in 2015. This percentage was not significantly different from that in 2011 (38 percent) and in 2009 (37 percent).
- The percentage of students in Ohio who performed at or above the NAEP *Basic* level was 72 percent in 2015. This percentage was not significantly different from that in 2011 (73 percent) and in 2009 (73 percent).

# Compare the Average Score in 2015 to Other States/Jurisdictions



In 2015, the average score in Ohio (157) was

- lower than those in 4 states/jurisdictions
- higher than those in 17 states/jurisdictions

not significantly different from those in 25 states/jurisdictions

5 states/jurisdictions did not participate in 2015

DoDEA = Department of Defense Education Activity (overseas and domestic schools)

## **Results for Student Groups in 2015**

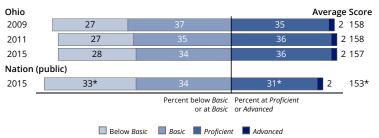
					-
	Percentage of	Avg.		entage at above	Percentage at
Reporting Groups		score		Proficient	
Race/Ethnicity					
White	74	165	81	45	3 🛾
Black	16	127	37	10	#
Hispanic	3	142	60	27	1
Asian	2	‡	‡	‡	‡
American Indian/Alaska Native	#	‡	‡	‡	‡
Native Hawaiian/Pacific Islande	r #	‡	‡	‡	‡ =
Two or more races	4	155	70	34	1
Gender					
Male	52	159	73	41	3
Female	48	155	71	35	1
National School Lunch Program					
Eligible	48	143	56	22	1
Not eligible	52	170	87	53	3
# Pounds to zero					

<sup>#</sup> Rounds to zero.

NOTE: Detail may not sum to totals because of rounding, and because the "Information not available" category for the National School Lunch Program, which provides free/reduced-price lunches, is not displayed. Black includes African American and Hispanic includes Latino. Race categories exclude Hispanic origin.

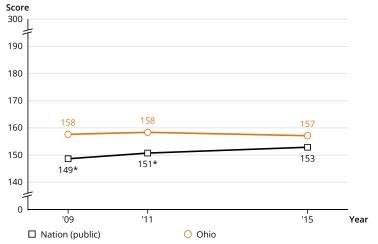


#### Achievement-Level Percentages and Average Score Results



\* Significantly different ( $\rho$  < .05) from state's results in 2015. Significance tests were performed using unrounded numbers. NOTE: Detail may not sum to totals because of rounding.

## Average Scores for State/Jurisdiction and Nation (public)



\* Significantly different (p < .05) from 2015. Significance tests were performed using unrounded numbers.

## Score Gaps for Student Groups

- In 2015, Black students had an average score that was 37 points lower than that for White students. This performance gap was not significantly different from that in 2009 (38 points).
- In 2015, Hispanic students had an average score that was 22 points not significantly different from that for White students. This performance gap was not significantly different from that in 2009 (24 points).
- In 2015, male students in Ohio had an average score that was not significantly different from that for female students.
- In 2015, students who were eligible for free/reduced-price school lunch, an indicator of low family income, had an average score that was 27 points lower than that for students who were not eligible. This performance gap was not significantly different from that in 2009 (24 points).

NOTE: The NAEP science scale ranges from 0 to 300. Statistical comparisons are calculated on the basis of unrounded scale scores or percentages. SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 2009-2015 Science Assessments.

<sup>‡</sup> Reporting standards not met.