

GENERATED ON APRIL 28, 2026

Trends in Academic Performance in Centennial SD, Pennsylvania

VERSION 2025.1

This report summarizes district-level educational outcomes using data from the Stanford Education Data Archive (SEDA) from 2009-2025. Figures may contain gaps where source data are unavailable.

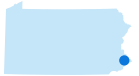
For more information, please visit edopportunity.org

Report created by the Educational Opportunity Project at Stanford University in collaboration with the Education Scorecard at Harvard University, using data provided by the National Center for Education Statistics and the Education Data Center. See final page for full information on data sources.

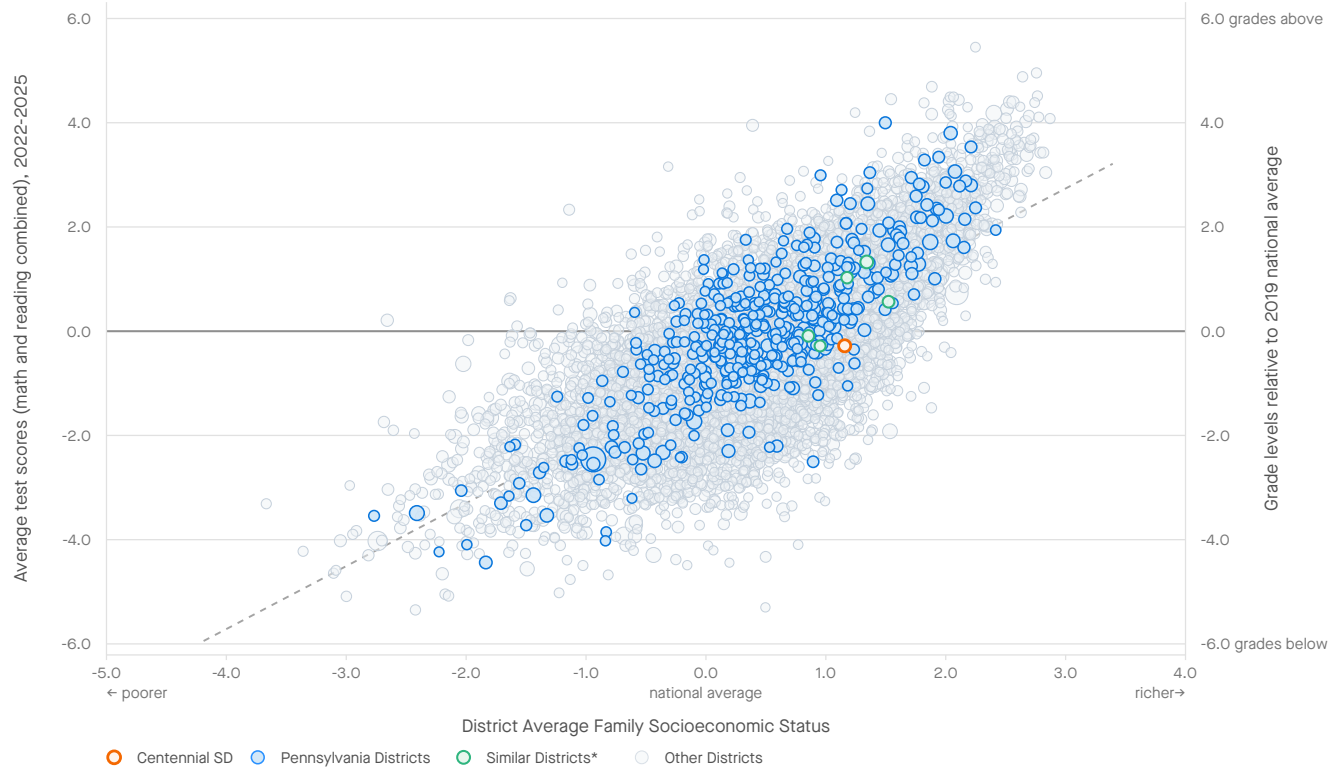


Centennial SD, Pennsylvania

Average Grade 3-8 Test Scores, 2022-2025, by District Socioeconomic Status



Average test scores in grades 3-8 reflect the set of educational opportunities available to students in the district, including those provided by their families, preschools, neighborhoods, and elementary and middle schools.



Note: each bubble is a U.S. school district, with size proportional to district enrollment. Districts in Pennsylvania are highlighted. District socioeconomic status is a composite measure of a district's average family income, parental education, poverty rate, SNAP eligibility rate, unemployment rate, and female-headed household rate. Test scores are measured in grade levels relative to the 2019 national average.

Average Test Scores and Trends, 2022-2025

ALL STUDENTS

	2022-2025 Average Scores	2022-2025 Trend in Test Scores
Centennial SD	-0.28	0.11
Similar Districts Avg.*	0.68	0.05
Pennsylvania	-0.27	-0.01

Test scores are reported in grade level units, relative to the 2019 national average. For example, the first row above reads: "Students in Centennial SD performed 0.28 grade levels below the 2019 national average. Test scores in Centennial SD have been changing at a rate of +0.11 grade levels/year since 2022."

*Similar districts are the nearest matches within the same state based on socioeconomic status, demographics, and size. Similar districts for Centennial SD are Ephrata Area SD, Elizabethtown Area SD, Eastern Lancaster County SD, Hatboro-Horsham SD, and Hempfield SD.

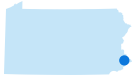
STUDENT SUBGROUPS

	2022-2025 Average Scores	2022-2025 Trend in Test Scores
White	0.01	0.11
Black	-1.68	N/A
Hispanic	-1.21	0.11
Asian	1.00	N/A
Poor	-1.09	0.11
Non-Poor	0.49	0.15
Female	-0.09	0.08
Male	-0.47	0.13



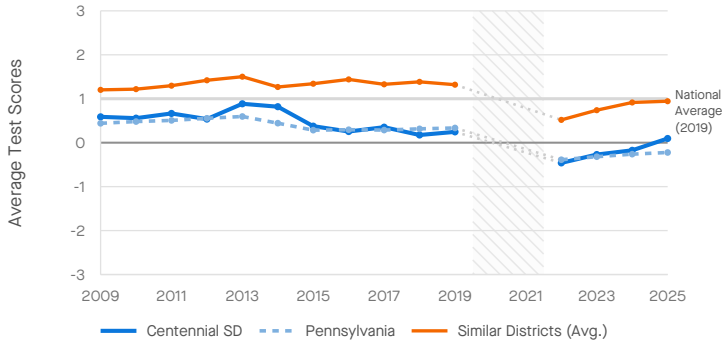
Centennial SD, Pennsylvania

Trends in Average Grade 3-8 Test Scores, 2009-2025, by Subject and Student Subgroup

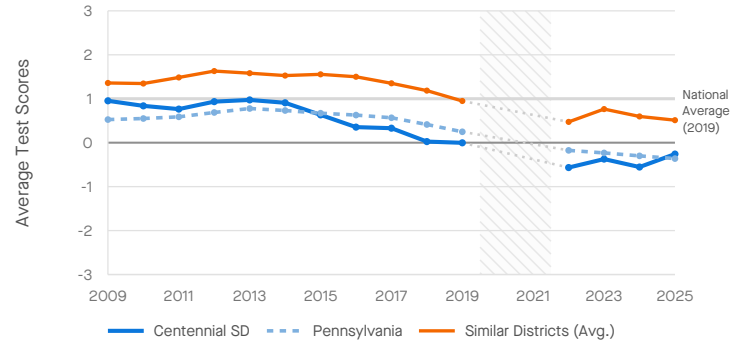


Trends in test scores may reflect changes in school quality, changes in demographics, and/or changes in out-of-school educational opportunities.

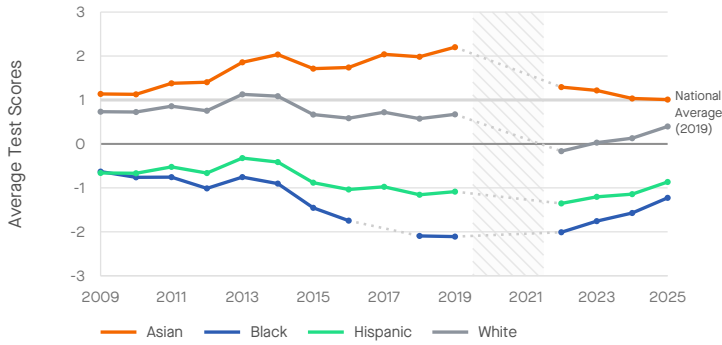
Trend in Math Scores (All Students)



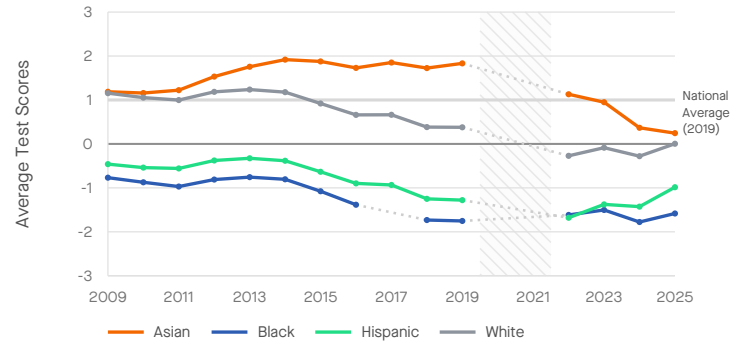
Trend in Reading Scores (All Students)



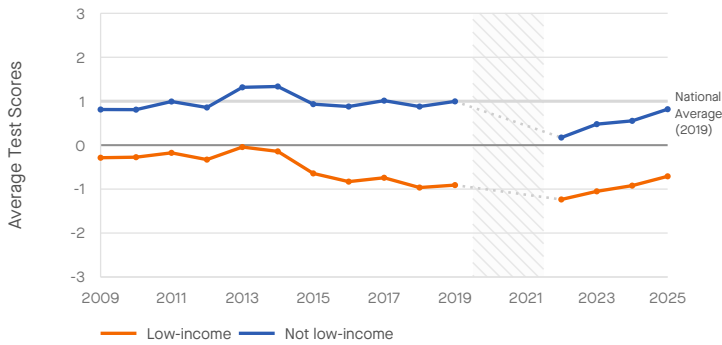
Trend in Math Scores, by Student Race/Ethnicity



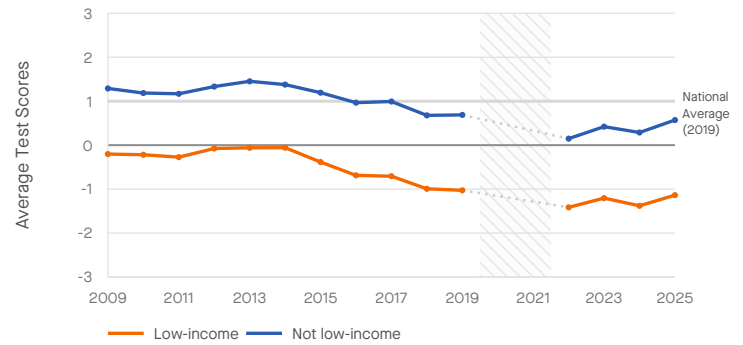
Trend in Reading Scores, by Student Race/Ethnicity



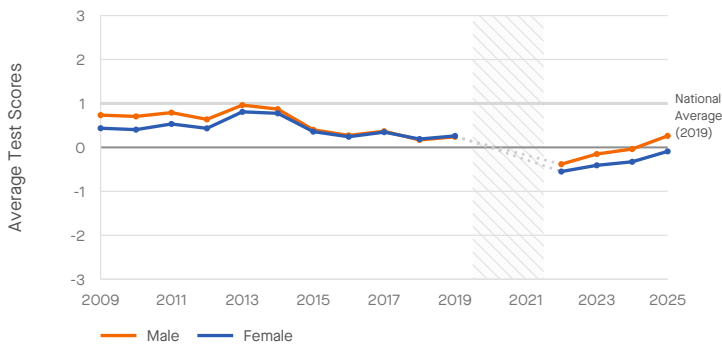
Trend in Math Scores, by Student Income Level



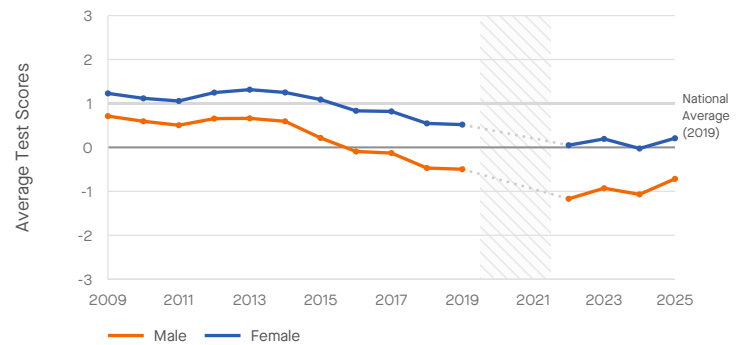
Trend in Reading Scores, by Student Income Level



Trend in Math Scores, by Student Gender

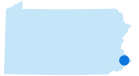


Trend in Reading Scores, by Student Gender

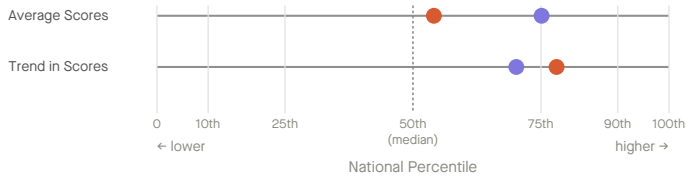


Centennial SD, Pennsylvania

Academic Performance Rankings, 2022-2025, Relative to Other Districts in the U.S.



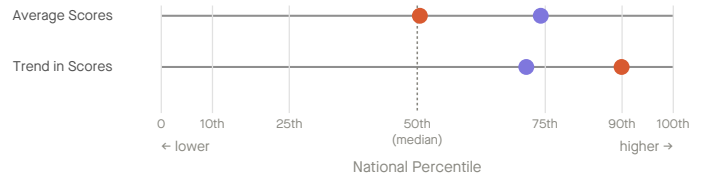
Math Ranks



	Average	Trend
Centennial SD	4,686 / 10,205 (54th pct)	1,201 / 5,468 (78th pct)
Similar Districts Avg.	2,539 / 10,205 (75th pct)	1,631 / 5,468 (70th pct)

Centennial SD ranked higher than 54% of districts nationwide in average math performance during the 2022-25 school years (4,686th of 10,205 districts with available data).

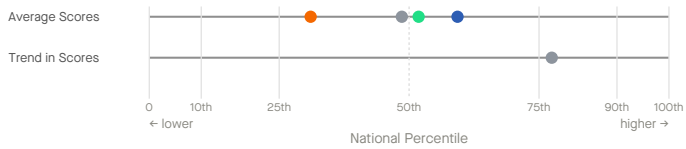
Reading Ranks



	Average	Trend
Centennial SD	4,988 / 10,076 (51st pct)	574 / 5,673 (90th pct)
Similar Districts Avg.	2,609 / 10,076 (74th pct)	1,629 / 5,673 (71st pct)

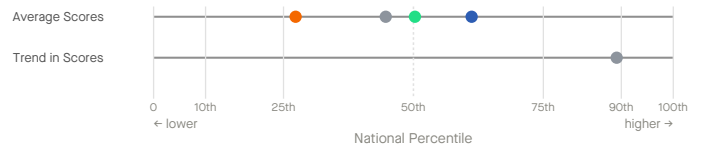
Centennial SD ranked higher than 51% of districts nationwide in average reading performance during the 2022-25 school years (4,988th of 10,076 districts with available data).

Math Ranks by Race/Ethnicity



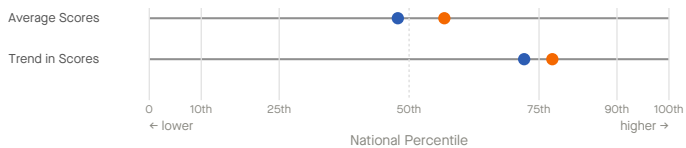
	Average	Trend
White	4,476 / 8,707 (49th pct)	809 / 3,582 (77th pct)
Black	1,021 / 2,508 (59th pct)	N/A
Hispanic	2,208 / 4,583 (52nd pct)	N/A
Asian	1,109 / 1,608 (31st pct)	N/A

Reading Ranks by Race/Ethnicity



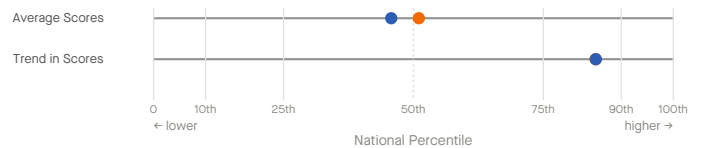
	Average	Trend
White	4,861 / 8,785 (45th pct)	430 / 3,941 (89th pct)
Black	1,027 / 2,644 (61st pct)	N/A
Hispanic	2,318 / 4,662 (50th pct)	N/A
Asian	1,194 / 1,642 (27th pct)	N/A

Math Ranks by Income



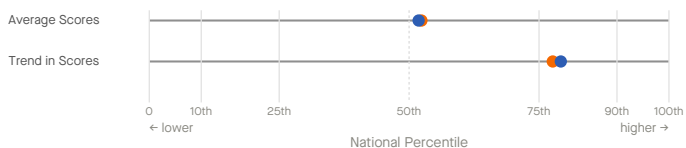
	Average	Trend
Low-income	3,837 / 8,875 (57th pct)	642 / 2,855 (78th pct)
Not low-income	4,430 / 8,489 (48th pct)	872 / 3,127 (72nd pct)

Reading Ranks by Income



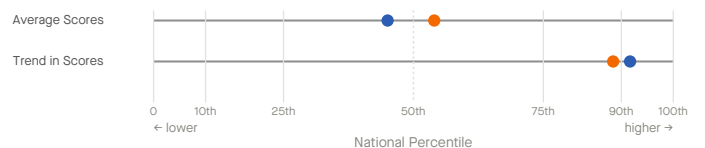
	Average	Trend
Low-income	4,401 / 8,987 (51st pct)	478 / 3,186 (85th pct)
Not low-income	4,666 / 8,596 (46th pct)	494 / 3,311 (85th pct)

Math Ranks by Gender



	Average	Trend
Female	4,054 / 8,509 (52nd pct)	721 / 3,219 (78th pct)
Male	4,094 / 8,497 (52nd pct)	619 / 2,971 (79th pct)

Reading Ranks by Gender

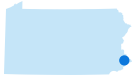


	Average	Trend
Female	3,989 / 8,670 (54th pct)	404 / 3,483 (88th pct)
Male	4,757 / 8,652 (45th pct)	285 / 3,418 (92nd pct)

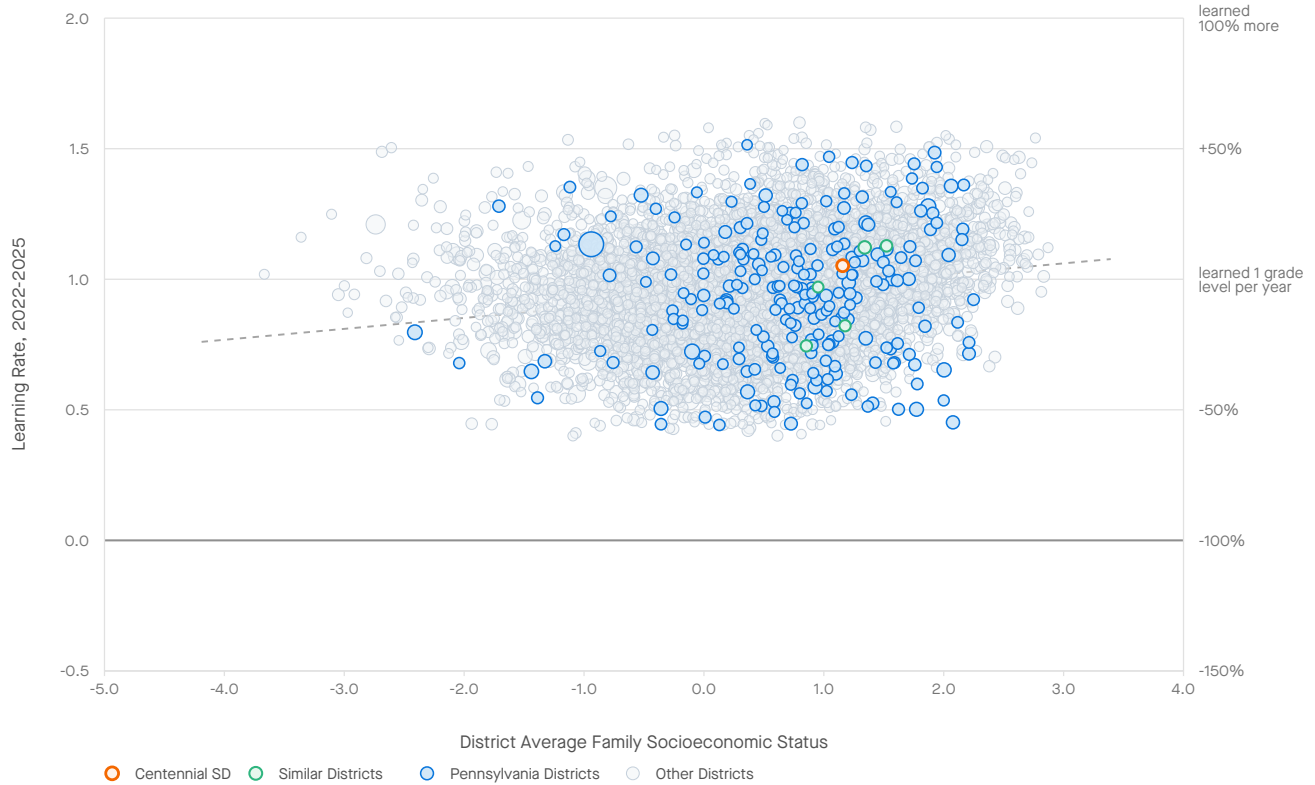


Centennial SD, Pennsylvania

Average Grades 3-8 Learning Rates, 2022-2025, by District Socioeconomic Status



Learning rates measure how much students' scores improve as they progress from grade to grade. They are a better indicator of school quality than average test scores, which are influenced by a range of experiences outside of school.



Note: each bubble is a U.S. school district, with size proportional to district enrollment. Districts in Pennsylvania are highlighted. District socioeconomic status is a composite measure of a district's average family income, parental education, poverty rate, SNAP eligibility rate, unemployment rate, and female-headed household rate.

Learning Rates and Trends, 2022-2025

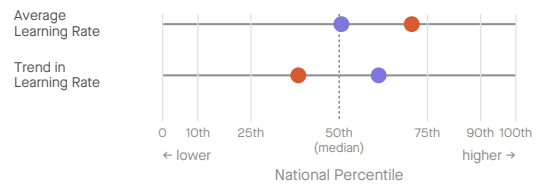
Learning Rate Rankings

ALL STUDENTS

	2022-2025 Learning Rate	2022-2025 Trend in Learning Rates
Centennial SD	1.05	-0.03
Similar Districts Avg.*	0.99	0.01
Pennsylvania	0.95	0.00

Learning rates are measured in grade levels of skills gained per year and are averaged over math and reading. The national average learning rate is 1.0. For example, the first row above reads: "Students in Centennial SD learned an average of 1.05 grade levels/year during 2022-2025. Learning rates in Centennial SD have been changing at a rate of -0.03 grade levels/year since 2022."

*Similar districts are the nearest matches within the same state based on socioeconomic status, demographics, and size. Similar districts for Centennial SD are Ephrata Area SD, Elizabethtown Area SD, Eastern Lancaster County SD, Hatboro-Horsham SD, and Hempfield SD.



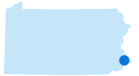
	Average	Trend
Centennial SD	2,403 / 8,147 (71st pct)	3,735 / 6,065 (38th pct)
Similar Districts Avg.	4,026 / 8,147 (51st pct)	2,356 / 6,065 (61st pct)

Centennial SD ranked higher than 71% of districts nationwide in average learning rates during the 2022-25 school years (2,403rd of 8,147 districts with available data).



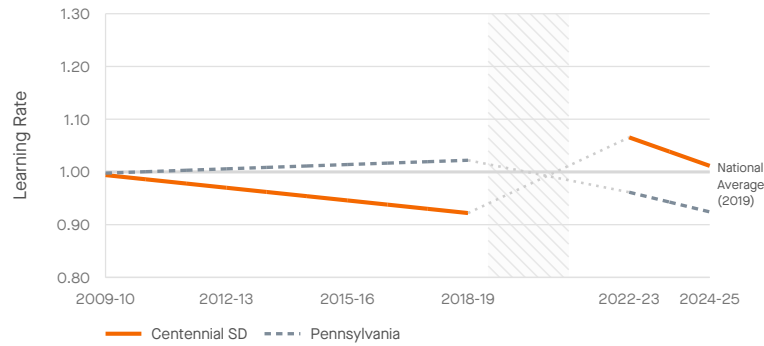
Centennial SD, Pennsylvania

Trends in Average Grade 3-8 Learning Rates, 2009-2025, by Student Subgroup

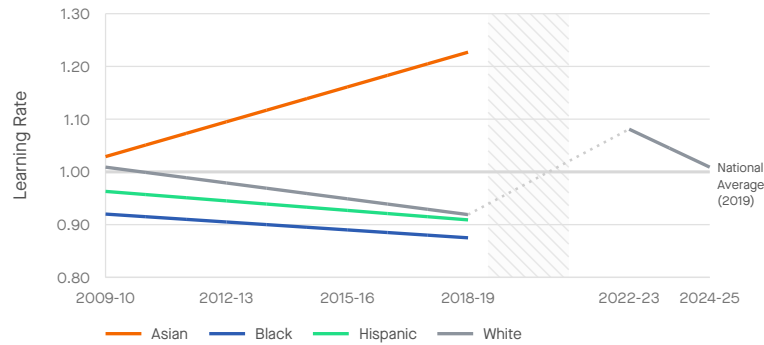


Trends in learning rates measure how annual learning rates change over time. They are a better indicator of changes in school quality than trends in average test scores, which are influenced by a range of experiences outside of school.

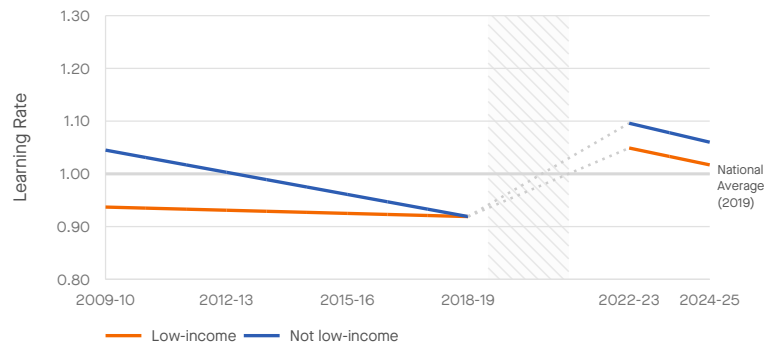
Trend in Learning Rates (All Students)



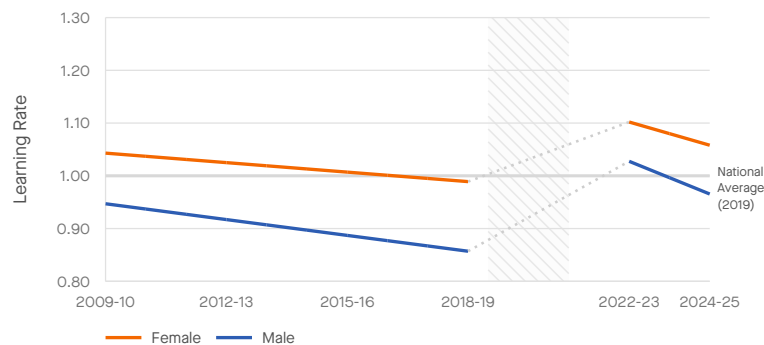
Trend in Learning Rates, by Student Race/Ethnicity



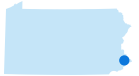
Trend in Learning Rates, by Student Income Level



Trend in Learning Rates, by Student Gender



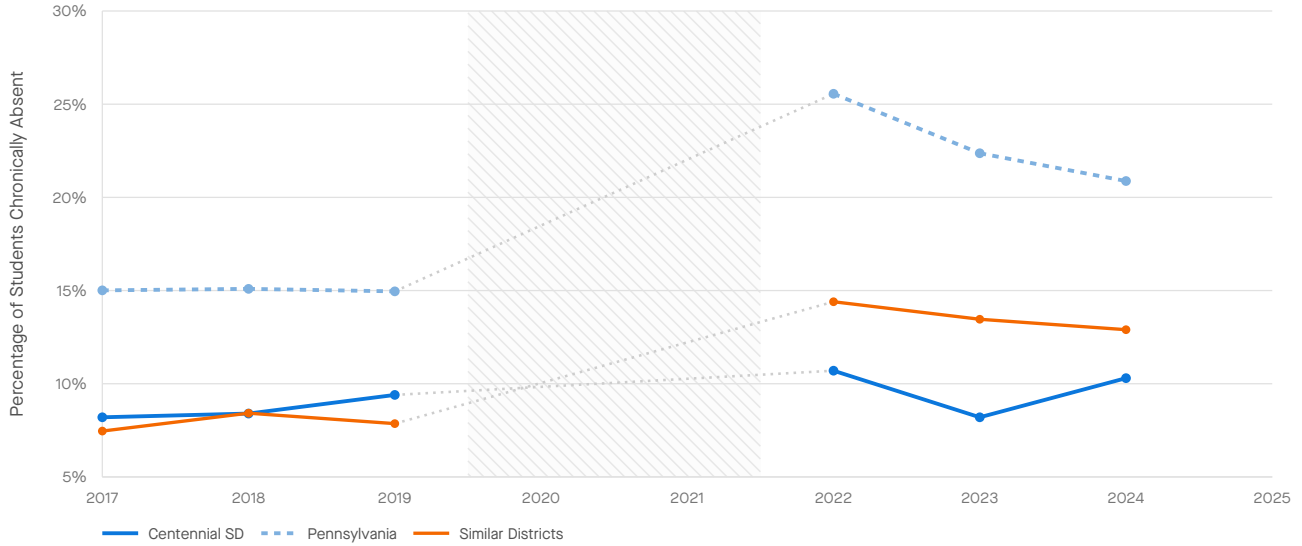
Centennial SD, Pennsylvania



Trends in Chronic Absenteeism

Chronic absenteeism rates indicate the proportion of students who were absent 10% or more of the school year.

Trends in Chronic Absenteeism



Trends in Chronic Absenteeism

ALL STUDENTS

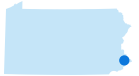
	2017-2019 Avg. Chronic Absenteeism	2022-2025 Avg. Chronic Absenteeism	Change
Centennial SD	8.7	9.7	+1.1
Similar Districts Avg.*	7.9	13.6	+5.7
Pennsylvania	15.0	22.9	+7.9

*Similar districts are the nearest matches within the same state based on socioeconomic status, demographics, and size. Similar districts for Centennial SD are Ephrata Area SD, Elizabethtown Area SD, Eastern Lancaster County SD, Hatboro-Horsham SD, and Hempfield SD.

Absenteeism data courtesy of [Nat Malkus, American Enterprise Institute](#).



Centennial SD, Pennsylvania



Changes in Average Math Scores in Pennsylvania Districts, 2019-2025 and 2022-2025, by District Free/Reduced-Price Lunch Eligibility Rate

Change in Math Scores, 2019-2025



Figure produced by the Center for Education Policy Research at Harvard University

○ Largest Districts ◆ State Average

Change in Math Scores, 2022-2025



Figure produced by the Center for Education Policy Research at Harvard University

○ Largest Districts ◆ State Average



Centennial SD, Pennsylvania

Changes in Average Reading Scores in Pennsylvania Districts, 2019-2025 and 2022-2025, by District Free/Reduced-Price Lunch Eligibility Rate



Change in Reading Scores, 2019-2025



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○ Largest Districts ◆ State Average

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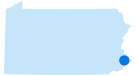


Figure produced by the Center for Education Policy Research at Harvard University

○ Largest Districts ◆ State Average



Centennial SD, Pennsylvania



Change in Chronic Absenteeism in Pennsylvania Districts, 2019-2024, by District Free/Reduced-Price Lunch Eligibility Rate

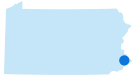
Change in Chronic Absenteeism, 2019-2024



Figure produced by the Center for Education Policy Research at Harvard University

○ Largest Districts ◆ State Average





Notes & Acknowledgments

This report summarizes academic performance in Centennial SD from 2008-09 through 2024-25, using data from the Stanford Education Data Archive (SEDA). SEDA is a national database of U.S. academic performance produced by the Educational Opportunity Project at Stanford University. The SEDA data are based on the standardized accountability tests in math and reading language arts (RLA) administered by each state to all public-school students in grades 3-8.

The raw test score data used to construct the SEDA 2022-2025 estimates here were graciously provided to us by Emily Oster and Clare Halloran at the [Education Data Center](#). The raw test score data used to construct the SEDA 2009-2019 estimates are available through the [EDFacts](#) data system at the U.S. Department of Education, and were provided to us by the National Center for Education Statistics (NCES). Detailed NAEP data used to harmonize test scores across states was provided by NCES and the National Assessment Governing Board. Chronic absenteeism data were provided by [Nat Malkus at the American Enterprise Institute](#). Funding to construct and analyze SEDA was provided by the Gates Foundation. Funding for the Education Scorecard was provided by the Carnegie Corporation of New York, Bloomberg Philanthropies, Joyce Foundation, Kenneth C. Griffin and Citadel Catalyst. The findings and opinions expressed in our research and reported here are those of the authors alone; they do not represent the views of any of the above organizations.

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