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Reading and **mathematics** scores for 9-year-olds decline during pandemic

Results from 2022 NAEP long-term trend assessment

The National Center for Education Statistics (NCES) conducted a special administration of the NAEP long-term trend (LTT) reading and mathematics assessments for age 9 students in 2022 to examine the impact of the COVID-19 pandemic on student learning.

Score changes between 2020 and 2022 for 9-year-old students



NOTE: Arrow indicates significant score change (p < .05) between 2020 and 2022.

Changes in average scores for 9-year-old students in NAEP long-term trend reading and mathematics by race/ethnicity: 2020 and 2022



White, Black, and Hispanic

9-year-old students show **score declines** in reading and mathematics; White–Black score gap widens by 8 points in mathematics

NOTE: Arrow indicates significant score change (p < .05) between 2020 and 2022.

Changes in average scores for 9-year-old students in NAEP long-term trend reading and mathematics by region of the country: 2020 and 2022

Score decreases seen across regions—except the

reading score for students attending schools in the **West** region



Reading Mathematics

NOTE: Arrow indicates significant score change (p < .05) between 2020 and 2022.

WIDESPREAD DISRUPTION OF STUDENT LEARNING IN 2020-21 SCHOOL YEAR

70% of 9-year-old students recalled learning remotely during 2020–21 school year

Among remote			Lower performers	Higher performers
learners, lower	0-	Had a desktop computer, laptop, or tablet all the time		83%
performers		aptop, of tablet all the time		
faced greater		Had their teacher available to help with schoolwork at least 1-2 times per week	· 39 %*	60%
challenges				
than their higher-		Reported it was a lot more difficult to learn remotely than at school	42%*	28%
performing peers				

* Significantly different (p < .05) from students performing at or above the 75th percentile.

NOTE: Data presented are from the 2022 long-term trend mathematics assessment. Lower performers are those students performing below the 25th percentile, and higher performers are those students performing at or above the 75th percentile.

NOTE: For a complete view of the results, visit the 2022 NAEP Long-Term Trend Highlights. The NAEP long-term trend reading and mathematics scales range from 0 to 500. Because the scales were developed separately for each subject, comparisons cannot be made from one subject to another.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2020 and 2022 Long-Term Trend Reading and Mathematics Assessments.