Math Performance, Grades 3-8, 2016-2023


Average Math Scores and Trends in Scores in Grade Level Equivalents Relative to the 2019 National Average

| 2019 Average | 2.46 |
| :--- | ---: |
| 2022 Average | 2.01 |
| 2023 Average | 2.20 |
| 2019-2022 Change | $\boldsymbol{\nabla}-0.45$ |
| 2022-2023 Change | $\boldsymbol{\wedge}+0.19$ |
| Since 2019 | $\boldsymbol{\downarrow}-0.26$ |

## Reading Performance, Grades 3-8, 2016-2023



## Average Reading Scores and Trends in Scores

in Grade Level Equivalents Relative to the 2019 National Average

| 2019 Average | 2.80 |
| :--- | :---: |
| 2022 Average | 2.64 |
| 2023 Average | 2.61 |
| 2019-2022 Change | $\boldsymbol{\downarrow}-0.16$ |
| 2022-2023 Change | $\boldsymbol{\downarrow}-0.03$ |
| Since 2019 | $\boldsymbol{\downarrow}-0.18$ |



Reading Performance in Rose Tree Media SD vs. Pennsylvania and Similar Districts, Grades 3-8, 2019-2023

(Mt Lebanon SD, Colonial SD, Springfield SD, Hatboro-Horsham SD, Moon Area SD)

Average Math Scores and Trends in Scores
in Grade Level Equivalents Relative to the 2019 National Average

|  | Rose Tree Media SD, PA | Pennsylvania | $\begin{array}{r} \text { Similar } \\ \text { Districts* in } \\ \text { Pennsylvania } \end{array}$ |
| :---: | :---: | :---: | :---: |
| 2019 Average | 2.46 | 0.36 | 2.56 |
| 2022 Average | 2.01 | -0.35 | 1.87 |
| 2023 Average | 2.20 | 0.08 | 2.18 |
| 2019-2022 Change | - -0.45 | - -0.71 | - 0.70 |
| 2022-2023 Change | 4+0.19 | 4+0.44 | + +0.31 |
| 2019-2023 Change | - 0.26 | - 0.28 | - 0.39 |

*Comparison districts are the nearest matches within the same state based on socioeconomic status, demographics, and size.

## Average Reading Scores and Trends in Scores

in Grade Level Equivalents Relative to the 2019 National Average
$\left.\begin{array}{lrrrr} & \text { Rose Tree Media } \\ \text { SD, PA }\end{array} \begin{array}{r}\text { Sensylvania }\end{array} \begin{array}{r}\text { Sennsylvania } \\ \text { Districts* in }\end{array}\right\}$

# Pennsylvania Report on Covid Recovery 

Change in Math Achievement 2019-2022
by proportion FRPL in Pennsylvania districts


Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.
Notes: All estimates are based on published state assessment results, which have been rescaled to grade equivalents using state scores on the National Assessment of Educational Progress.
For historical comparability, the proportion of students receiving free or reduced price lunch reflects the estimated number of students in households with incomes below $185 \%$ of the federal poverty level in Census data. Some districts may have higher rates of federally subsidized lunch recipients due to the community eligibility provision. The sample of districts shown have been limited to districts with reliable estimates. Labeled points represent districts with at least 700 tested students per grade. The regression line displays the overall trend within the state.
For details on the methodology see https://edopportunity.org/methods.

Change in Reading Achievement 2019-2022
by proportion FRPL in Pennsylvania districts


[^0]Change in Math Achievement 2022-2023 by proportion FRPL in Pennsylvania districts


Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.
Notes: All estimates are based on published state assessment results, which have been rescaled to grade equivalents using state scores on the National Assessment of Educational Progress.
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Change in Reading Achievement 2022-2023 by proportion FRPL in Pennsylvania districts


Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.
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Change in Math Achievement 2019-2023 by proportion FRPL in Pennsylvania districts


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Change in Reading Achievement 2019-2023 by proportion FRPL in Pennsylvania districts


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## Change in Math Achievement

by proportion FRPL in Pennsylvania districts


Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.
Notes: All estimates are based on published state assessment results, which have been rescaled to grade equivalents using state scores on the National Assessment of Educational Progress.
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## Change in Reading Achievement

 by proportion FRPL in Pennsylvania districts

Proportion free or reduced lunch (2019)

Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA

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Some districts may have higher rates of federally subsidized lunch recipients due to the community eligibility provision. The sample of districts shown have been limited to districts with reliable estimates.
Orange points represent districts with at least 700 tested students per grade. The regression line displays the overall trend within the state
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