Unfinished Learning in a Post-COVID World
Presenters

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Agenda

- The post-COVID challenge
- Quick review: Lexile and Quantile measures
- Accessing the tools to communicate COVID-loss
Our Unique Challenge in the Here and Now:

To quantify and communicate COVID-loss (at the individual student and aggregate levels) to a variety of stakeholders--educators, students, families, communities--in a compelling, visual manner.
An Example

Imagine a student with the following data points:

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>SY</th>
<th>Lexile Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>16/17</td>
<td>500L</td>
</tr>
<tr>
<td>4</td>
<td>17/18</td>
<td>670L</td>
</tr>
<tr>
<td>5</td>
<td>18/19</td>
<td>840L</td>
</tr>
<tr>
<td>6</td>
<td>19/20</td>
<td>No testing -- COVID</td>
</tr>
<tr>
<td>7</td>
<td>20/21</td>
<td>900L</td>
</tr>
</tbody>
</table>
In the Growth Planner:

Pre-COVID

Post-COVID
Individual Students & Cohorts

Same principles for individual students could apply as well for aggregate data:

- Grade level
- Race/ethnicity
- SES status
- SPED status
- Predominant mode of SY20/21 instruction (remote, hybrid, in-person)
Why a State and its Educators Would Care...

- Empirical data on COVID-loss is just beginning to emerge
- Educators will soon be pressed to explain that impact in language and visuals that are easy to understand
- Such information will be highly desirable to state and local leaders in targeting COVID resources to highest-need populations
- Local-level educators and classroom teachers will be pressed to explain--and develop plans to remedy--such impacts on individual students
A Quick Review
The Lexile Framework for Reading

Lexile measures match readers and text on the same scale.

A Lexile reading measure represents a student's reading ability.

A Lexile text measure represents its reading complexity.
The Quantile Framework for Mathematics

Measures math readiness and complexity on the same scale.

A student’s Quantile measure is her readiness for math instruction.

A Quantile material measure represents its math complexity.
Where Can I Find These Measures?

- Measures are reported from your statewide assessments
- Many interim/benchmark assessments and instructional programs used at the local level also report
Lexile Student Measures at the Local Level

Over 65 popular reading assessments & instructional programs report Lexile measures.
Quantile Student Measures at the Local Level

Over 20 popular math assessments report Quantile measures.
In 2020-2021 school year...

Students in grades 3-8 and grade 10 will receive a Lexile and Quantile measure on the North Dakota State Assessment.
Information for parents and educators:

https://ndsa.portal.cambiumast.com/resources/lexile-quantile-ar/
**UNDERSTANDING YOUR STUDENT’S SCORES**

**SAMPLE STUDENT REPORT**

- **Subject Area and Grade Level**: This heading tells you which subject and grade level the score report covers.

- **Summary of Test Performance**: Your student’s scale score and where it falls on the four achievement levels.

- **Lexile® Information**: The Lexile® Framework for Reading is a scientific approach to reading measurement, providing a common scale for matching reader ability and text complexity. Lexile measures provide educators and parents with the confidence to choose materials that can help to improve student reading skills and monitor growth across the curriculum and at home. For more information, visit www.Lexile.com.

- **Reporting Category performance is reported as**:
  - below standard (☐)
  - on or near standard (☐)
  - or above standard (☐)

Bar charts show how your student performed on each reporting category (black dot), relative to the reporting category achievement standard (dashed line). The lines to the left and right of the dot (☐) shows the score range that your student would likely fall within if they took the test multiple times.

**Writing Performance**

ELA reports include descriptions of the student’s performance on the writing portion based on the performance task writing rubric for each criterion. If a condition code appears for one or more criteria in this section, then the student’s written response could not be scored on those criteria.
# Individual Student Report

How did my student perform on the Mathematics test?

Test: NDSA Mathematics Grade 5  
Year: 2017-2018  
Name: Demo, Student B.

<table>
<thead>
<tr>
<th>Name</th>
<th>SSID</th>
<th>Scale Score</th>
<th>Achievement Level</th>
<th>Reported Quantile Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demo, Student B.</td>
<td>9999992233</td>
<td>755.24</td>
<td>Level 4 - Advanced</td>
<td>010Q</td>
</tr>
</tbody>
</table>

Reported Quantile Measure: 010Q

## Quantile Information

The Quantile® Framework for Mathematics measures mathematical achievement and concept/application solvability. Quantile measures represent a student’s ability to apply mathematical skills in areas such as numbers and operations, geometry, and measurement. Because the Quantile Framework uses a common, developmental scale to measure both mathematical achievement and test difficulty, educators can use Quantile measures to differentiate mathematics instruction, monitor student development, and forecast performance on end-of-year tests. For more information, visit www.Quantiles.com.

### Information on Standard Error of Measurement

A student’s score is best interpreted when recognizing that the student’s knowledge and skills fall within a score range and not just a percent number. For example, 500 (+/-30) indicates a score range between 470 and 530.
Let’s Put the Measures to Use
Access the Hub

HUB.LEXILE.COM
Questions