Student Performance Measures

Presented to the Baltimore County Board of Education Work Session on September 25, 2018
Context and Achievement

• What and Why: the multiple measures of progress from Kindergarten to Post-graduation

• Report on student outcomes by grade band

• Moving forward
The Measures

- KRA – Kindergarten Readiness Assessment
- MAP – Measures of Academic Progress
- PARCC – Partnership for Assessment of Readiness for College and Careers
- PSAT – Pre-Scholastic Aptitude Test
- SAT – Scholastic Aptitude Test
- CTE – Career and Technology Education
- College – Enrollment
Grades K-2

KRA
MAP

K-12 Assessment Framework: Raising Expectations!
Kindergarten Readiness: KRA

Demonstrating Readiness

- Kindergarten readiness scores increased in this year’s sample.
- Mid-year MAP scores for all Kindergartners remained stable.
Reading Achievement: MAP

- Kindergarten Reading scores have been stable.
- Scores for 1st graders have gone up 4 points since 2014-2015.
- Scores for 2nd graders have gone up 2.4 points since 2014-2015.
- These gains equate to 7 weeks of additional instruction.
Lighthouse Achievement Comparison:
Winter MAP

- Lighthouse schools have gained 8.5 points since 2014-2015.
- These gains equate to 13 weeks of additional instruction.
• Lighthouse schools have gained 8.1 points since 2014-2015.
• These gains equate to 23 weeks of additional instruction.
The majority of students are entering Kindergarten not adequately prepared.

There have been consistent and meaningful gains in achievement in Grades K-2 over the past 3 years.

While Lighthouse schools have led the way, the remaining schools across the system are also gaining.
Grades 3-5

K-12 Assessment Framework: Raising Expectations!

MAP
PARCC
Scores for Grades 3-5 have increased since 2014-2015, but were stable from last year.

The gains from 2014-2015 equate to an additional 6, 7, and 13 weeks of instruction respectively.
Reading Achievement: PARCC

- As with MAP, there have been gains in English Language Arts for Grades 3-5 since 2015-2016.
- Scores were stable from 2016-2017 to 2017-2018.
• Grade 3 scores in 2015-2016 were stronger on both MAP and PARCC.
• Scores were stable from 2016-2017 to 2017-2018.
• Lighthouse students continue to outperform the State in English Language Arts for Grades 3-5.
Lighthouse students performed comparably to the State in Mathematics for Grades 3-5.
Elementary Outcomes

• In Grades 3-5, scores have increased in English Language Arts.

• Mathematics scores have remained stable or declined.

• Lighthouse schools outperformed the State in English Language Arts and performed comparably to the State in Mathematics.
Grades 6-8:

K-12 Assessment Framework: Raising Expectations!
• Scores for Grades 6-8 have increased since 2014-2015.
• In Grades 6 and 8, scores declined slightly from 2016-2017.
• Scores for Grades 6-8 have declined since 2014-2015.
As with MAP, scores for Grades 6 and 8 decreased from last year.
Scores in Grade 7 have climbed steadily over this window.
Mathematics Achievement: PARCC

- As with MAP, scores for Grades 6 and 8 decreased from last year.
- Scores in Grade 7 have climbed this year.
• Lighthouse students performed comparably to the State in English Language Arts for Grades 6-8.
• Statewide, approximately, 1 in 4 students are meeting the performance standard set out by the State.
• Lighthouse students are outperforming the State in Mathematics Grades 6-8.
Middle School Outcomes

• While English Language Arts scores have increased on MAP from 2014-2015, they have declined in Grades 6 and 8 on PARCC since 2015-2016.

• PARCC scores in English Language Arts and Mathematics have improved in Grade 7.

• Lighthouse students performed comparably to the State in English Language Arts and outperformed the State in Mathematics.
High School and Beyond

K-12 Assessment Framework: Raising Expectations!

PARCC
PSAT
SAT
Career
College
• Algebra I scores improved in Grades 7 and 8.
• High school Algebra I scores decreased for the State and BCPS due to the inclusion of repeat testers.
• First-time test takers in BCPS passed at a rate of 28.8%.
Grade 10 English Language Arts scores decreased for the State and BCPS due to the inclusion of repeat testers.

First-time test takers in BCPS passed at a rate of 46.0% which is very comparable to last year (46.1%).
Achievement: SAT

<table>
<thead>
<tr>
<th>SAT System Measures</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>One Year Change</th>
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<tbody>
<tr>
<td>SAT Test Count</td>
<td>6,280</td>
<td>6,375</td>
<td>6,480</td>
<td>65</td>
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<tr>
<td>SAT Participation Rate</td>
<td>86.60%</td>
<td>88.40%</td>
<td>88.10%</td>
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<tr>
<td>SAT EBRW Section Score</td>
<td>502</td>
<td>506</td>
<td>499</td>
<td>-7</td>
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<tr>
<td>SAT Math Section Score</td>
<td>488</td>
<td>491</td>
<td>478</td>
<td>-13</td>
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<tr>
<td>SAT Total Section Score</td>
<td>990</td>
<td>997</td>
<td>977</td>
<td>-20</td>
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</tbody>
</table>

- The rates of participation in the College Board measures (PSAT and SAT) were stable.
- Scores in the Evidence Based Reading and Writing section and Mathematics section both decreased.
Greater access:
• Our enrollment in Career and Technology Education courses continues to rise +1,006 (16,475).

Improved career readiness:
• More students are completing CTE pathways.
Improved career readiness:
• 77.1% of the CTE concentrator students are meeting industry certification standards.
• More students are meeting dual completion standards (75.1%).

Placement remains high:
• 72.7% of CTE completers entered post-secondary education, employment, or the military within 2 quarters following graduation.
### Graduation

**4 year on time Graduation Rate**

<table>
<thead>
<tr>
<th>Year</th>
<th>Rate</th>
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<tbody>
<tr>
<td>2013</td>
<td>86.30</td>
</tr>
<tr>
<td>2014</td>
<td>87.63</td>
</tr>
<tr>
<td>2015</td>
<td>87.78</td>
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<tr>
<td>2016</td>
<td>89.17</td>
</tr>
<tr>
<td>2017</td>
<td>89.00</td>
</tr>
</tbody>
</table>

• The graduation rate held stable at 89%
Scholarship Awards

• 2354 Graduates received at least one scholarship.

• There were 14 National Merit Finalists.

• In total, over $162 million dollars in scholarship money were offered to graduates.

• 18 graduates were accepted to Ivy League schools.
College Going Rates

- Enrollment within 12 months of graduation has been stable at 66.4%.
- Enrollment within 24 months of graduation has also remained stable at 71%.
- These rates have remained remarkably stable over the past 8 years – while our graduation rate increased.
High school testing outcomes were mixed.

CTE continues to grow.

While the graduation rate has grown, college going rates have remained stable at 12 and 24 months post graduation.

More students are graduating and pursuing post-secondary opportunities.
Summary

K-12 Assessment Framework: Raising Expectations!
Summary

- While the majority of students are entering Kindergarten not adequately prepared, BCPS continues to show strong improvements in Reading and Mathematics scores for our early learners.
- In Grades 3-8, students in the Lighthouse schools continue to perform at or above the level of their peers across the State.
- While there have been improvements in English Language Arts, Mathematics scores continue to lag.
- More students are graduating and pursuing post-secondary opportunities.
Our students are doing better in:

- fluency
- basic procedural knowledge
- conceptual understanding

Our students need to improve in:

- creating models
- reasoning through scenarios
- critiquing the reasoning of others

Mathematics
Mathematics: Moving Forward

- Monitor Unit Assessments
- Expand informal “checks for understanding”
- New Residency Resource Teacher Model
- Collaborative Planning

- Independent Audit
- Revise based on audit

- Focus on Data Literacy
- Mathematical Literacy Skills: reading, writing, modeling and reasoning

- Curriculum
- Instruction
- Professional Learning
- Assessment

Professional Learning

Instruction

Curriculum

Assessment

TEAM BCPS
English Language Arts

Qualitatively:

Our students are doing better in:

✓ key ideas
✓ supporting Details
✓ text specific comprehension

Our students need to improve in:

✓ reading non-fiction text that are discipline-specific
✓ ability to take a position and support it with evidence from multiple sources
English Language Arts: Moving Forward

- Monitor Unit Assessments
- Refine collaborative planning data processes
- Focus on Data Literacy
- Striving Readers Comprehensive Literacy Grant through MSDE for $1.6
- Embed integrated units infused with rich non-fiction science and social studies texts
- Expand short research opportunities
- New Residency Resource Teacher Model
- Expand practice with multiple complex texts in every subject
- Embed integrated units infused with rich non-fiction science and social studies texts
- Expand short research opportunities
- Monitor Unit Assessments
- Refine collaborative planning data processes
Closing Gaps

Increase student opportunity to . . .

• Read a variety of complex texts in every subject

• Express reasoned arguments supported by evidence from multiple sources
Questions