2019 District Performance Results
PSSA/PASA and Keystone Exams

Expect great things.
PSSA/PASA Facts

• Public school students in Pennsylvania take annual state assessments each Spring.
  ▪ Grades 3 through 8: Math and English Language Arts
  ▪ Grades 4 and 8: Science

• Most students take PSSA exams, while students with severe cognitive disabilities take PASA exams. (This represents about 3.5% of tested students in our district.)
The combined 2019 PSSA results (overall score) across all tested grades within each content area show similar performance in Mathematics from last year to this year, while ELA/Reading and Science continue to show increases.

**District Accountability - Percent of Proficient and Advanced Students**

**PSSA/PASA: Grades 3 to 8 Combined**

<table>
<thead>
<tr>
<th>Content Area</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>28.2</td>
<td>28.8</td>
<td>28.7</td>
</tr>
<tr>
<td>ELA/Reading</td>
<td>45.6</td>
<td>46.2</td>
<td>47.3</td>
</tr>
<tr>
<td>Science</td>
<td>43.7</td>
<td>46.2</td>
<td>49.8</td>
</tr>
</tbody>
</table>

Full Academic Year students, includes PSSA and PASA

Data source: PDE Accountability Files

**KEY:** Green numbers represent increases; red numbers represent decreases.
The combined 2019 PSSA results include the percentage of students scoring in the lowest performance category, Below Basic. These are the students who are struggling the most, and over time more of them are moving out of this category.

District Accountability - Percent of Students Scoring Below Basic
PSSA/PASA: Grades 3 to 8 Combined

<table>
<thead>
<tr>
<th>Category</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>44.9</td>
<td>45.8</td>
<td>41.0</td>
</tr>
<tr>
<td>ELA/Reading</td>
<td>14.8</td>
<td>11.8</td>
<td>13.3</td>
</tr>
<tr>
<td>Science</td>
<td>25.2</td>
<td>24.8</td>
<td>21.4</td>
</tr>
</tbody>
</table>

Full Academic Year students, includes PSSA and PASA
Data source: PDE Accountability Files

KEY: Green numbers represent increases; red numbers represent decreases.
ELA PSSA
English Language Arts By Grade: Four of the six tested grades showed small increases in proficiency from last year.

District Accountability - Percent of Proficient and Advanced Students
PSSA/PASA: Grades 3 to 8 ELA/Reading

Full Academic Year students, Includes PSSA and PASA
Data source: PDE Accountability Files

KEY: Green numbers represent increases; red numbers represent decreases.
**English Language Arts By Grade:** The percentage of students scoring in the lowest performance category, Below Basic, increased in four of the six tested grades.

**District Accountability - Percent of Students Scoring Below Basic**

**PSSA/PASA: Grades 3 to 8 ELA/Reading**

- **Gr. 3:** 15.7 (2017), 11.7 (2018), 17.9 (2019)
- **Gr. 4:** 15.8 (2017), 14.4 (2018), 14.3 (2019)
- **Gr. 5:** 18.2 (2017), 13.3 (2018), 14.2 (2019)
- **Gr. 6:** 13.8 (2017), 11.7 (2018), 9.6 (2019)
- **Gr. 7:** 8.4 (2017), 4.7 (2018), 5.9 (2019)
- **Gr. 8:** 17 (2017), 14.3 (2018), 18 (2019)

**KEY:** Green numbers represent increases; red numbers represent decreases.

Full Academic Year students, Includes PSSA and PASA

Data source: PDE Accountability Files
Grades 3 to 5 English Language Arts by Race, IEP And ELL Subgroups: All of the major subgroups improved in Grade 4, and most subgroups improved in Grade 5.

District Accountability - Percent of Proficient and Advanced Students 2019 PSSA/PASA - English Language Arts/Reading: Grades 3 to 5

Full Academic Year students, Includes PSSA and PASA Data source: PDE Accountability Files

KEY: Green shading represents increases; red shading represents decreases from last year.
Grades 6 to 8 English Language Arts by Race, IEP And ELL Subgroups: All major subgroups improved in Grade 6 compared to last year.

Full Academic Year students, Includes PSSA and PASA
Data source: PDE Accountability Files

KEY: Green shading represents increases; red shading represents decreases from last year.
Mathematics PSSA
Mathematics By Grade: There were small increases in mathematics proficiency in 2 of the 6 tested grade levels.

District Accountability - Percent of Proficient and Advanced Students
PSSA/PASA: Grades 3 to 8 Mathematics

Grades 3 to 8 Mathematics: There were small increases in mathematics proficiency in 2 of the 6 tested grade levels.

Full Academic Year students, Includes PSSA and PASA
Data source: PDE Accountability Files

KEY: Green numbers represent increases; red numbers represent decreases.
Mathematics By Grade: The percentage of students scoring in the lowest performance category, Below Basic, decreased in 5 of the six grade levels.

District Accountability - Percent of Students Scoring Below Basic
PSSA/PASA: Grades 3 to 8 Mathematics

Key: Green numbers represent increases; red numbers represent decreases.

Full Academic Year students, Includes PSSA and PASA
Data source: PDE Accountability Files
Grades 3 to 5 Mathematics by Race, IEP and ELL Subgroups: All of the major subgroups showed increases in proficiency in Grade 4, but there were mostly decreases in the other elementary grades.

District Accountability - Percent of Proficient and Advanced Students
2019 PSSA/PASA - Mathematics: Grades 3 to 5

Full Academic Year students, Includes PSSA and PASA
Data source: PDE Accountability Files

KEY: Green shading represents increases; red shading represents decreases from last year.
Grades 6 to 8 Mathematics by Race, IEP and ELL Subgroups: Subgroup performance decreased in grades 6 and 8, but increased in grade 7.

District Accountability - Percent of Proficient and Advanced Students
2019 PSSA/PASA - Mathematics: Grades 6 to 8

Full Academic Year students, Includes PSSA and PASA
Data source: PDE Accountability Files

KEY: Green shading represents increases; red shading represents decreases from last year.
Science PSSA
Science by Grade: Student proficiency in Science increased in both Grade 4 and Grade 8.

District Accountability - Percent of Proficient and Advanced Students
PSSA/PASA: Grades 4 and 8 Science

Full Academic Year students, Includes PSSA and PASA
Data source: PDE Accountability Files

KEY: Green numbers represent increases; red numbers represent decreases.
Science by Grade: The percentage of students scoring in the lowest performance category increased slightly in Grade 4 but decreased in Grade 8.

District Accountability - Percent of Students Scoring Below Basic
PSSA/PASA: Grades 4 and 8 Science

<table>
<thead>
<tr>
<th>Grade</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gr. 4</td>
<td>9.3</td>
<td>9.1</td>
<td>9.5</td>
</tr>
<tr>
<td>Gr. 8</td>
<td>43.6</td>
<td>41.8</td>
<td>33.6</td>
</tr>
</tbody>
</table>

Full Academic Year students, Includes PSSA and PASA
Data source: PDE Accountability Files

KEY: Green numbers represent increases;
red numbers represent decreases.
Grades 4 and 8 Science by Race, IEP and ELL Subgroups: The proficiency results in Science show increases for all subgroups in both Grade 4 and Grade 8.

District Accountability - Percent of Proficient and Advanced Students
2019 PSSA/PASA - Science: Grades 4 and 8

KEY: Green shading represents increases; red shading represents decreases from last year.

Full Academic Year students, Includes PSSA and PASA
Data source: PDE Accountability Files
Keystone Exams – Accountability Results

- Keystone Exams are given multiple times a year in Literature, Algebra 1, and Biology.
- Keystone exams are end of course exams that are mainly for high school students, although students who take Algebra in lower grades also take the exam.
- Students take the exam the first time they take the course. If they don’t pass, they can re-take it multiple times or demonstrate content proficiency in other ways.
- As a state Accountability measure, scores are reported for students as of Grade 11. Students who pass an exam in an earlier grade will have their scores “banked” or saved until they are in Grade 11.
- Accountability changes from year to year can show changes in the proficiency of the Grade 11 students from year to year, and is based on students who could have taken these courses and exams over multiple earlier years.
Keystone Accountability results, for Grade 11 banked scores, show that the increases in 2018 were followed by decreases in 2019 for all three Keystone exams.

**District Accountability - Percent of Proficient and Advanced Students**

**Keystone Exams, as of Grade 11**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Literature</th>
<th>Algebra 1</th>
<th>Biology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature</td>
<td>60.6</td>
<td>58.2</td>
<td>47.6</td>
</tr>
<tr>
<td>Algebra 1</td>
<td>61.8</td>
<td>49.5</td>
<td>41.9</td>
</tr>
<tr>
<td>Biology</td>
<td></td>
<td>49.6</td>
<td>39.9</td>
</tr>
</tbody>
</table>

Full Academic Year students, banked scores as of Grade 11

Data source: PDE Accountability Files

**KEY:** Green numbers represent increases; red numbers represent decreases.
Keystone Accountability by Race, IEP and ELL Subgroups: The banked Grade 11 accountability results for students show mixed results across subjects and subgroups.

2019 Keystone Accountability, Best Score as of Grade 11

- **Literature**:
  - All: 58.2%
  - AA: 43.1%
  - W: 78.7%
  - IEP: 4.3%
  - ELL: 22.3%

- **Algebra 1**:
  - All: 71.4%
  - AA: 30.5%
  - W: 15.0%
  - IEP: 12.7%
  - ELL: 39.3%

- **Biology**:
  - All: 62.8%
  - AA: 22.3%
  - W: 14.6%
  - IEP: 1.4%
  - ELL: 1.4%

Full Academic Year students, as of Grade 11
Data source: PDE Accountability Files

**KEY**: Green shading represents increases; red shading represents decreases.
ELA C&I high level (more to follow in October)

• Glows
  • ELA PA aligned adopted resource (yr. 2 of ReadyGen, yr. 1 of MyPerspectives)
    • Increased exposure to grade-level content
    • Provided support for foundational skills
    • Increased opportunities for writing
    • Balanced exposure to literary and informational text

• Grows
  • Enhance appropriate scaffolds to support students’ needs
    • Differentiate instruction by standard
    • Differentiate instruction across skills (phonemic awareness, phonics, fluency, vocabulary, comprehension, oral language)
    • Increase opportunities for explicit instruction
Mathematics C&I high level (more to follow in October)

• Glows
  • Year 1 of Mathematics PA aligned adopted resources
    • Increased exposure to grade-level content
    • Integrated a student centered instructional model
      • 5E model – Engage - Explore - Explain - Elaborate - Evaluate
    • Enhanced student exposure to mathematical shifts
      • numeracy to conceptual understanding

• Grows
  • Advance implementation of the new curriculum
    • Build more conceptual understanding
    • Differentiate instruction based on students’ needs
    • Increase exposure to real world problem solving (application)
    • Provide more opportunities for manipulatives in the classroom, when appropriate
Science C&I high level (more to follow in October)

• Glows
  • Greater alignment to PA Science Standards
    • Deeper exposure to PA Standards
    • More opportunities for project-based and real-world application

• Grows
  • Increase use of current science resources
    • Greater exposure to scientific process (e.g. labs)
    • Increase exposure to science informational text supporting literacy standards
    • Provide appropriate scaffolds to support students’ needs
• Coming In October
  • Curriculum & Instruction departmental presentations
    • Share - Strength, Weaknesses, Opportunities, and Potential Risks
    • Explain departmental approach for:
      • Professional Learning
      • Support
      • Interventions
  • Assistant Superintendents support
  • Other findings
Addendum
• Keystone Exams are given multiple times a year in Literature, Algebra 1, and Biology.

• Keystone exams are end of course exams that are mainly for high school students, although students who take Algebra in lower grades also take the exam.

• Each year, student performance on these end of course exams are reported as Spring Administration results and reflect the scores from the Current School Year.

• Administration changes from year to year show changes in the proficiency of the students who took the exam that year, no matter what grade level they were in.

• Since Administration results are always connected to the Current Year the test was given, they can be used to review progress in that content area from year to year.
Keystone Administration Results, for end of course exams given that year that are taken by first-time test takers, show improvements in Literature and declines in the Algebra 1 and Biology.

District Administration - Percent of Proficient and Advanced Students
Keystone Exams, given each Spring

First-time test takers tested at the end of course that year
Data source: PDE Administration Files

KEY: Green numbers represent increases; red numbers represent decreases.
2019 Keystone Administration by Race, IEP and ELL subgroups for first time test-takers: These subgroup results show mixed results on the Keystone exams compared to last year.

Data source: PDE Administration Files

KEY: Green shading represents increases; red shading represents decreases.
Grade Level Keystone Literature Administration Results, for first time test takers: Grade level results in Literature show the largest increase in proficiency for Grade 9 students.

First-time test takers tested at the end of course that year
Data source: PDE Administration Files

KEY: Green numbers represent increases; red numbers represent decreases.
Keystone Algebra 1 Administration Results, for first time test takers: Students who take an Algebra exam for the first time in middle school score higher than students in upper grades.

First-time test takers tested at the end of course that year. Data source: PDE Administration Files.

KEY: Green numbers represent increases; red numbers represent decreases.
Grade Level Keystone Biology Administration Results, for first time test takers: Most students take the Biology exam in Grade 9, and this grade is where the results are the highest.

Biology Administration Results for First Time Test Takers
Percent of Proficient and Advanced Students

<table>
<thead>
<tr>
<th>Grade</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gr. 9</td>
<td>41.5</td>
<td>45.2</td>
<td>38.2</td>
</tr>
<tr>
<td>Gr. 10</td>
<td>8.0</td>
<td>6.8</td>
<td>6.5</td>
</tr>
<tr>
<td>Gr. 11</td>
<td>18.8</td>
<td>15.6</td>
<td>9.5</td>
</tr>
</tbody>
</table>

First-time test takers tested at the end of course that year
Data source: PDE Administration Files

KEY: Green numbers represent increases; red numbers represent decreases.