

PARCC RESULTS: YEAR FOUR

LIVINGSTON PUBLIC SCHOOLS
OCTOBER 8, 2018

Measuring
College and
Career
Readiness



Livingston
PUBLIC SCHOOLS

NEW JERSEY'S STATEWIDE ASSESSMENT PROGRAM

- In 2015, New Jersey adopted the Partnership for Assessment of Readiness for College and Careers (PARCC) to replace HSPA and previous assessments in the elementary and middle school in language arts and mathematics.
- Students took PARCC English Language Arts and Literacy Assessments (ELA/L) in grades 3 – 11.
- Students took PARCC Mathematics Assessments in grades 3 – 8 and End of Course Assessments in Algebra I, Geometry, and Algebra II.

PARCC PERFORMANCE LEVELS

PARCC uses five performance levels that delineate the knowledge, skills, and practices students are able to demonstrate:

Level 1:
Did Not Yet
Meet
Expectations

Level 2:
Partially Met
Expectations

Level 3:
Approached
Expectations

Level 4:
Met
Expectations

Level 5:
Exceeded
Expectations

PARCC PARTICIPATION LEVELS

| | 2014-2015 | 2015-2016 | 2016-2017 | 2017-2018 | | |
|---------|------------|------------|------------|-----------|------------|------------|
| | Percentage | Percentage | Percentage | Enrolled | Percentage | Percentage |
| Grade 3 | 83.3% | 96.5% | 99.6% | 461 | 461 | 100% |
| Grade 4 | 80.8% | 94.3% | 97.2% | 485 | 485 | 100% |
| Grade 5 | 82.8% | 94.6% | 95.3% | 474 | 463 | 97.6% |
| Grade 6 | 69.9% | 96.1% | 98.7% | 481 | 471 | 97.9% |
| Grade 7 | 70.4% | 91.8% | 97.6% | 481 | 475 | 98.7% |
| Grade 8 | 66.2% | 92.3% | 97.1% | 476 | 462 | 97.0% |

PARCC PARTICIPATION LEVELS

| | 2014-2015 | 2015-2016 | 2016-2017 | 2017-2018 | | |
|--------------------|----------------------------|---------------------------|--------------------------|------------------------|------------------------|-------------------------|
| Course | Percentage | Percentage | Percentage | Enrolled | Participated | Percentage |
| Algebra I | HMS – 77.7% LHS – 37.9% | HMS –97.3% LHS – 78.0% | HMS – 100% LHS – 100% | HMS – 220 LHS – 246 | HMS – 218 LHS – 242 | HMS – 99% LHS – 98% |
| Geometry | HMS – 85.4% LHS - 39.8% | HMS –100% LHS – 59.5% | HMS – 96% LHS – 84.9% | HMS – 51 LHS – 438 | HMS – 51 LHS – 398 | HMS – 100% LHS – 91% |
| Algebra II | LHS – 33.7% | LHS – 45.1% | LHS – 62.9% | LHS – 409 | LHS –307 | LHS – 75% |
| English I | 48.4% | 91.1% | 98.4% | 491 | 489 | 99% |
| English II | 31.8% | 60.9% | 84.0% | 490 | 482 | 98% |
| English III | 11.8% | 26.8% | 32.1% | 450 | 171 | 38% |

**GRADES 3-5 ELA
PERCENTAGE LEVEL 4/5
2015-2018**

| | ELA 2015 | ELA 2016 | ELA 2017 | ELA 2018 |
|----------------|---------------------|---------------------|---------------------|---------------------|
| Grade 3 | 78 | 78 | 83 | 83 |
| Grade 4 | 81 | 84 | 84 | 84 |
| Grade 5 | 82 | 82 | 83 | 86 |

**GRADES 3-5 MATH
PERCENTAGE LEVEL 4/5
2015-2018**

| | Math 2015 | Math 2016 | Math 2017 | Math 2018 |
|----------------|----------------------|----------------------|----------------------|----------------------|
| Grade 3 | 72 | 79 | 82 | 84 |
| Grade 4 | 69 | 72 | 75 | 72 |
| Grade 5 | 68 | 71 | 69 | 76 |

**GRADES 6-8 ELA
PERCENTAGE LEVEL 4/5
2015 - 2018**

| | ELA 2015 | ELA 2016 | ELA 2017 | ELA 2018 |
|----------------|---------------------|---------------------|---------------------|---------------------|
| Grade 6 | 71 | 80 | 81 | 86 |
| Grade 7 | 75 | 73 | 89 | 87 |
| Grade 8 | 75 | 74 | 88 | 91 |

**GRADES 6-8 MATH
PERCENTAGE LEVEL 4/5
2015 - 2018**

| | Math 2015 | Math 2016 | Math 2017 | Math 2018 |
|----------------|----------------------|----------------------|----------------------|----------------------|
| Grade 6 | 68 | 74 | 72 | 75 |
| Grade 7 | 57 | 60 | 68 | 72 |
| Grade 8 | 36 | 18 | 57 | 52 |

**GRADES 9-11 ELA
PERCENTAGE LEVEL 4/5
2015 - 2018**

| ELA 2015 | ELA 2016 | ELA 2017 | ELA 2018 |
|------------------------|------------------------|------------------------|------------------------|
| Grade 9 65 | Grade 9 68 | Grade 9 78 | Grade 9 87 |
| Grade 10 69 | Grade 10 54 | Grade 10 63 | Grade 10 75 |
| Grade 11 56 | Grade 11 40 | Grade 11 56 | Grade 11 61 |

**GRADES 9-11 MATH
PERCENTAGE LEVEL 4/5
2015 - 2018**

**Math
2015**

**Math
2016**

**Math
2017**

**Math
2018**

**Algebra I
65**

**Algebra I
56**

**Algebra I
67**

**Algebra I
76**

**Geometry
64**

**Geometry
60**

**Geometry
58**

**Geometry
60**

**Algebra II
74**

**Algebra II
66**

**Algebra II
64**

**Algebra II
59**

ANALYZING THE DATA

- Collaborative process between principals, supervisors, teachers
- What do we see? Engage in an inquiry process:
 - Groups gather to identify:
 - What happened in this current year?
 - How does it compare to previous performance – year to year comparison?
 - How did particular cohorts perform? (following a grade level over time)
- Develop action plans for moving forward
 - Impacts professional development
 - Curriculum development

NEXT STEPS - ELA

- Overall growth, particularly in grades 5-11. Individual cohorts have also shown noticeable growth.
 - Across the board, strengths in written expression and writing knowledge.
 - In lessons, students have to conduct literary analysis, research simulations and writing tasks and have demonstrated strengths in all of these.
 - Also, no year to year trends in Evidence Statement Analysis – speaks to a wide-ranging and balanced curriculum.
- Celebrating the elementary/middle grades “Balanced” approach to Readers/Writers Workshop with its emphasis on time to write and eyes on print.
- HS level celebrates its increases in book room offerings (more student choice), high interest texts that are also non-fiction, pairing non-fiction with literature. Current high school students are entering the high school having reaped the benefits of strong elementary and middle school instruction.
- Reaping benefits from the change efforts made when the test began – analyzing various types of text, increase in non-fiction texts, use of companion articles & essays in conjunction with literature and without compromising the amount of literature we have students read.
- Will continue to:
 - Focus on Reading & Writing across the content areas – Informational Text
 - Emphasize explicit and embedded vocabulary instruction
 - Continue to emphasize Written Expression & Conventions in all grades

NEXT STEPS - MATH

- Identified trends in the data: Modeling/Reasoning and Measurement/Data (Statistics/Data Analysis) are areas of need across the continuum. Reaping benefits from the change efforts made with emphasis on Modeling/Reasoning.
- Elementary level will continue training on Mathematical Modeling this year. Have also introduced instructional materials (“Exemplars”) to facilitate this work. Common assessments are being revised in order to incorporate more questions with these skills into these tests.
- Introducing guided math/workshop model at the elementary school level which will be driven by the use of formative assessment and flexible groups that differentiate instruction.
- Middle school pre-algebra 7 and 8 curricula were revamped in order to reflect concerns identified in previous tests. “Measuring Up” implemented in grades 7 and 8 for benchmarking and PARCC prep.
- Among the initiatives implemented last year in grades 7 – 12 include weekly spiral review assignments, which enable the students to continue to practice previously learned information. The assignments also allow the teacher to provide students with ongoing feedback in a low stakes environment.
- Emphasize the development of modeling/reasoning and critical thinking questions to systematically integrate into instruction and assessment. At the high school, teachers worked on creating common assessments and/or common assessment questions that focused on modeling and reasoning skills. These types of questions were also incorporated into class notes, practice worksheets, and homework problems. Teachers also used “Desmos” and “Socrative” as formative assessment tools which have yielded results in the PARCC data and will continue into 2018-19.