



Title IIA funds open gateway course

Middle school math teachers get Algebra I professional learning that leads to student success

South Brunswick School District

WHO WE ARE

8,766
students

623
teachers

10
schools

\$13,575
per-pupil expenditure

14:1
student : teacher ratio

10.2%
students receiving
special education services

11.9%
Title I-eligible students

4
Title I schools

2.9%
English
Language Learners

4
instructional coaches

CHALLENGES

- Inequitable student access to 8th-grade Algebra I and appropriate instructional support
- District Algebra I assessment data masked low student achievement. Majority student subgroup raised aggregate score; other subgroups matched or fell below state averages
- Success rate is 35% for students taking Algebra I in 9th grade

PROFESSIONAL LEARNING SOLUTIONS

- Identification of a cohort of 8th graders whose achievement indicated they likely would not have tracked into Algebra I until 9th grade
- Summer course for some of those students before taking Algebra I in next school year
- Summer "Jump Start" instructional program for middle school mathematics teachers focusing on supporting the student cohort that entered in nontraditional pathway
- Ongoing support for middle school math teachers during school year

IMPACT

- 90.4% of students in the cohort "Met" or "Exceeded" standards on the PARCC Algebra I assessment.
- District expanded middle school capacities to teach and support 8th-grade Algebra I, especially students entering via nontraditional pathway.
- With professional learning and yearlong support, middle school math teachers were able to focus on student learning needs.
- Middle school math teachers demonstrated instructional activities and support that could open the gateway to Algebra I for all students.

Number of 8th-grade students selected to take Algebra I who did not meet the traditional criteria (104 students total)

9.6% did not pass



90.4% passed PARCC

DISTRICT SPENDING ON PROFESSIONAL LEARNING

	2018-19	2017-18	2016-17	2015-16	2014-15
Federal (Title II)	\$ 157,266	\$ 142,958	\$ 121,587	\$ 160,896	\$ 178,897
State	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
District	\$ 32,500	\$ 12,000	\$ 49,700	\$ 41,800	\$ 23,500

HOW THESE DOLLARS ARE SPENT

	2018-19	2017-18	2016-17	2015-16	2014-15
Courses/Workshops	\$ 184,766	\$ 149,958	\$ 166,832	\$ 198,196	\$ 199,397
Workshop materials	\$ 5,000	\$ 5,000	\$ 4,455	\$ 4,500	\$ 3,000