



Possible Program Shifts in Mathematics



Adding pathways to acceleration and increasing math competency in all students

Current Program

One opportunity to accelerate

- Acceleration opportunity exists between grade 5-6
- Acceleration model moves quickly through curriculum and does not expose students to all foundational math curriculum.
- Criteria for placement can appear subjective
- Model is not effective in retaining student enrollment in math through high-level courses.

58%

The average percentage of students in grade 6 who took an accelerated pathway in Math over the last 5 years

20%

Average percentage of students who enrolled in high-level Math courses at Somers High School over the last 5 years

50%

The average percentage of tested students who scored at a proficient level on the Math 7 state exam over the last 5 years

93.0%

The average percentage of tested students who scored at a proficient level on the Algebra Regents exam over the last 5 years.

**Relative to Putnam/Northern Westchester Districts, this score ranks in the middle third of the 18 school districts. .*

Proposed New Approach

A foundational approach with opportunities to accelerate based on readiness

- Acceleration opportunities are embedded into middle-level classes through grade 8.
- Opportunities to enter accelerated pathways in grades 8 and 10.
- Accelerated curriculum spends more time and goes deeper in foundation concepts.
- Curriculum pathways are compacted, resulting in no skipped content- regardless of acceleration pathway chosen.
- Students gain ownership and agency over rate of acceleration, and receive meaningful feedback on their progress.

Goals:

- "More Math for More Students."
- Create an environment in which risk taking, experimentation and collaboration are embraced and celebrated.
- Develop a deep understanding in our community of why and how mathematics is taught.
- Grow a mathematical mindset and positive math identity in all learners- inclusive of teachers, students, and families.
- Create an environment in the classroom in which mathematical competency is held in high regard and all students are challenged.



Current 6-12 Math Pathways





Proposed New 6-12 Math Pathways

