



Livonia Public Schools

Academic Services

Date: November 28, 2022

To: Andrea Oquist

From: Theresa O'Brien, Chief Academic Officer

Subject: High School Math Sequence For 2023-24 and Beyond

I would like the opportunity to provide the Board of Education with a plan to align the high school math sequence across all three high schools, at the Committee of the Whole Meeting on December 5, 2022. Two of our high schools, Franklin and Stevenson, currently teach a Geometry, Algebra I and Algebra II sequence. Churchill teaches Algebra I, then Geometry and Algebra II. To have a guaranteed and viable curriculum, we need all three high schools to be teaching the same sequence.

Next year we will be moving to the Algebra I, Geometry and Algebra II sequence. I have met with HS administrators, Math Department Chairs, and held open meetings for teachers to share their concerns with the change. I believe the benefits to shift are:

Algebra – Geometry - Algebra II is the most common sequence according to our state data and NAEP. All our neighbors have an AGA sequence: Novi, Northville, Farmington, Plymouth-Canton, and Wayne-Westland.

Algebra 1 in 9th grade would support students in Chemistry and Physics, which are typically taken after 9th grade.

The Envision textbook series was written for an AGA sequence. Leveraging the book as written will support students applying Algebra I content in Geometry, to provide time to maintain what they learned in Algebra I.

Intervention classes in 9th grade that build on what students learned in 8th grade will provide students with stronger mathematical knowledge to move “out” of an intervention track.

This sequence will provide students with another opportunity to access accelerated courses.

I look forward to discussing this on December 5 and thank you for your consideration of this request.