



# Elements of Mathematics Foundations

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Institute for Mathematics & Computer Science

## News From Broward County Public School EMF 9<sup>th</sup> Graders!



### Zachary Weissman (Westglades MS, Marjory Stoneman Douglas HS)

February 2019: Following EMF, I was a little confused on which class I should take in high school. I chose UF Calc 1, and that was the best decision I have ever made. I was provided with many study materials, homework problems, quizzes, etc, and my professors and TAs have been very helpful in answering my questions almost immediately. I was able to pass the course with 106% as my grade. I absolutely loved Calc 1 and I am enjoying Calc 2 right now, as there are even more study materials. I find these courses to be relatively easy, but still challenging enough to maintain my interest. I believe this program will be extremely beneficial for future EMF 8th graders, and I strongly recommend it.

### Vishal Suresh (Falcon Cove MS, Cypress Bay HS)

February 2019: High school math is going incredibly well. I am in AP Calculus AB competition and we are currently learning how to find the area between two curves. However, because we are in competition, we often work ahead of the class to do well at competitions. Overall, EMF and a little bit of summer studying was more than enough for excelling in Calculus.

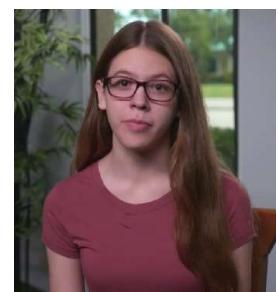
### Stefan Badiu (Indian Ridge MS, Western HS)

January 2019: The math class I completed last semester was UF MAC1147, also known as Precalculus, Trigonometry, and Algebra. I passed with an A in that class, but don't remember my exact grade and I can't go back and check it, although I do know that it was somewhere between a 93 and a 96. This semester, I am taking UF MAC2311, or Analytic Geometry and Calculus 1.

### Olivia Kaufman (Westglades MS, NBPS HS)

February 2019: I am doing very well in school. My grades are great. It has been an interesting experience math-wise particularly having a teacher daily. Having homework is a new experience as well. Overall, EMF has been helpful. The big differences are no grading curves, the classes are not open book so there is a need for memorization and adjusting to having a classroom full of kids.

(See Olivia's Insights at [https://www.youtube.com/watch?v=\\_gsFxPwu9jA](https://www.youtube.com/watch?v=_gsFxPwu9jA).)



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### Isabella Yeung (Millennium MS, Millenium Collegiate Academy)

January 2019: I took my final exam on Dec. 10 and received my overall grade for UF Calc1 MAC 2311 the next day. I actually got a 99.45% in that course. I am currently enrolled in Calc 2 (MAC 2312) in UF Dual Enrollment and AP Calc AB for the 18-19 year in school. I seriously found the Calculus 1 class to not be that challenging. The only major problem I struggled with was my procrastination on the homework assignments and working up to the last second (literally). However, I hope to resolve that issue this semester. I am looking forward to learning more and exploring the world of mathematics!

(Read Isabella's blog article at <https://www.imacs.org/emf-reflections-isabella-yeung/>.)

### Maximilliano Novak de Vries (Pioneer Middle School, Cooper City HS)

May 2019: EMF Graduate and Cooper City High School student Max de Vries took AP Calculus AB along with University of Florida Dual Enrollment Precalculus in the first semester, and then UF Analytic Calculus I in the second semester with an "A" grade. He finishes 9<sup>th</sup> grade with an AP Calculus AB credit and ready to take UF Calc 2 in the first semester of 10<sup>th</sup> grade.



Max is planning to complete all his college math requirements by the end of his junior year of high school. "The head start I get from UF DE will allow me to focus on engineering when I am in college," said Max; "my goal is reachable because I successfully completed the EMF Math course in middle school."

### Cole Travers (Indian Ridge MS, AH HS)

February 2019: Throughout my three years in EMF, I got to learn mathematics in the way that a mathematician understands it. Now that I am in 9th grade and in a traditional math class ... the main difference is that EMF focused on the why of math, while traditional classes focus on the how of math ... Understanding the material in high school math classes isn't hard at all. Students just have to use a different approach, mainly memorization and application. I would encourage middle school students to enjoy EMF as much as they can because it is definitely the most interesting way to learn math.



(Read Cole's blog article at <https://www.imacs.org/emf-vs-traditional-approach-to-math/>.)



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