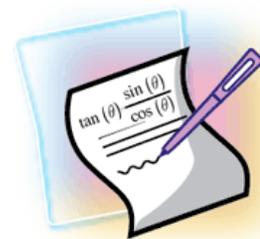


# Mrs. Haley's IB Math SL Newsletter

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## A Brief Welcome & Introduction

I would like to take a moment to introduce myself and to give some advice. I graduated from Floyd Central and Indiana University Southeast with a Master's Degree in Secondary Mathematics Education and a minor in French. This is my nineteenth year at FC. I serve on several committees, coach the Math Team, and assist with Dance Marathon. I attended IB training in Atlanta, Georgia during the summer of 2012.

During high school and college I was a member of various clubs and organizations including the National Honor Society, the FC Orchestra (State Champs 1995!), Kappa Delta Pi Education Honor Society, Sigma Kappa Sorority, the IUS Orchestra, and French Club. My husband Zach is a fellow FC alumni. We have two girls: Emma is in 7th grade at Highland Hills and Isabelle is in 4th at Georgetown Elementary. We also have a dog named Zoie. We live in the area and attend Northside Christian Church where my husband and I are both involved with various groups.

I look forward to getting to know all my new students. I also encourage you to call or email me if you have any problems or concerns. I realize math is an intimidating subject for many, and I want to do everything possible to ensure that my students work to their potential. In this newsletter I have included some ways you can help your student to be successful in this class. Be sure to visit my website for helpful info and links.

## The Goal of Mathematics SL

The goal of our syllabus is to prepare students with a sound mathematical background in preparation for future mathematical studies at a post-secondary level, designed for students who plan to study subjects at the university that have a significant amount of math content (such as chemistry, economics, geography and business administration). It covers concepts from algebra, functions and equations, circular functions and trigonometry, vectors, statistics and probability, and calculus. As students are expected to work with these concepts in a variety of ways, these concepts will be presented geometrically, numerically, analytically, and verbally with technology being implemented regularly to reinforce learning. Student will also be prepared for Calculus BC here at FC.

*Floyd Central  
High School*

August 10th, 2017

### What do I need for this class?

- ✓ Textbook
- ✓ Pencil
- ✓ Paper
- ✓ Graph Paper
- ✓ Binder/Folder/Dividers
- ✓ Calculators
- ✓ iPad

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## Floyd Central High School



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or enter FCibmathsl in the app

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## Syllabus Summary

Tests and quizzes will make up 90% of each 9-week grade. Grades are cumulative for the semester and will be computed within categories as total points where tests are worth double. Semester exams will count as 20% of the semester grade with the cumulative 9-weeks counting as 80%. Extra Credit opportunities are rare and will not be given out individually to students but rather to the entire class. Homework will be given almost daily. The importance of doing homework everyday will become evident when test scores and 9-week grades drop from failing to complete homework assignments. Also, class practice is a requirement and will be 10% of their grade. That will consist mainly of homework problems but could also include in-class investigations, journal writings, etc.

## Frequently Asked Questions

What can I do to help my student do better? Here are some ideas... 1) Talk to the counselor. They can set you up with a free tutor from the National Honor Society or they may have names of paid tutors that could help. I know of a paid tutor as well. 2) Try calling the Math department at IUS or Ivy Tech. There could be a poor college student who would love to make some extra money. 3) Call 1-877-ASK-ROSE. It's a resource line and there is info at [www.askrose.org](http://www.askrose.org). 4) Attend help sessions on Mondays, Tuesdays or Thursdays at school in Room B101 any time from 2:30 until 4:30. There is always a math teacher there although there may not always be upper level math help available. 5) I am available for a limited amount of time before school and on certain days after school. I have a lot of students so I will do the best I can to answer all their questions. 6) Visit our textbook's website and use the CR-ROM. All homework solutions are online. 7) Check out the my website and the Khan Academy website for helpful videos. 8) Check out other links on my website on homework hints, math anxiety, etc. 9) Check into places like Sylvan. They are pricy services but they help a lot of students. 10) Check to make sure they are doing their homework, asking questions, learning required vocabulary, studying, and doing practice problems before tests (WITHOUT using their notes to help). 11) Sign up for text or email alerts (see my website or contact info above for details) from Remind 101. You can also sign up free via the app using the same text code.

## How does IB Math SL work?

The IB Math SL course is a fairly new one for both Floyd Central and New Albany. It is meant to be taken after Precalculus (preferably) or Calculus. We will cover a variety of topics this year including probability and statistics, vectors, trigonometry, and calculus. They will also be responsible for other topics covered in Precalculus such as exponents and logarithms, sequences and series, etc. I will be working very closely with the IB Math teachers at New Albany to ensure we are preparing the students well.

The IB Math SL evaluation consists of two external papers (exams) worth 40% each. One is done with a graphing calculator (TI-Nspire CAS and TI-89 not allowed) and the other is done with no calculator. These will be taken in May and will be scored by an IB committee. The remaining 20% comes from an internal assessment called an exploration. This is a 6-12 page paper that each student will be working on throughout first semester and will submit to me for grading in mid to late January. I will score it and an IB committee will monitor my grading and make changes as needed. This means if they feel I graded too harshly or too easily they will adjust scores. This will also count as a part of their Second Semester Final Exam.

Even though our textbook uses the TI-Nspire it is not a requirement. If students do wish the purchase one, be sure NOT to get the CAS version as it is prohibited on the IB Exam. And be sure to save the points on the back of the package. I can get free stuff for us to use in class. On exams students will be using my class set of TI-84 calculators.

I am hoping we grow through the year as a group. We are all still fairly new at this, but I know it will be a great experience!