



SILSA Course Syllabus

Course Name: Math III Honors

Teacher: Mason Marshall

Course Overview

• Course – Math 3 Honors

Topics

- Review Math 2 – Linear Functions, Quadratic Functions and Vertex Form
 - Polynomial Functions
 - Rational Functions
 - Exponential Functions & Logarithmic Functions
 - Trigonometry
 - 2D & 3D Geometry
 - Sequences
 - Statistics
- In this class the big takeaways are
- Seeing the connections from topic to topic, how understanding linear functions will relate all the way to Trigonometry. How Trigonometry will help us understand 2D and 3D geometry. Math is all linked together from the algebraic to the geometry. Seeing the connection to things in life is key to understanding.
 - We will see how Desmos is a tool that can be used to reinforce our understanding and get a visual aspect to some of the more abstract algebraic concepts.
 - Learning to communicate our mathematical skills to one another.
 - Getting better at putting our mathematical queries into well-structured questions.
 - Enjoying the rigorous aspect of math and seeing how even though some problems might seem tedious, getting to the correct answer gives us that feeling good sensation.
 - Most importantly, having fun! Math is a great way to make ourselves feel good about ourself, because it is tough, it is also very rewarding in the most abstract way.

Essential Statements to Spark Student Inquiry

Math is the language of the universe, when one can understand math, one can understand anything.

Understanding the complexities of math will help you understand the complexities of anything you encounter.

Assessment

Formative

Classworks, Exit Slips and Review Assignments which will go in the student's notebooks

Exit Slips will be reviewed directly after the Exit Slip and will not be graded; this way students get instance feedback on their exit slips. The notebook will be used in case a student wants to retake a test.

Summative

Test

Test Retakes - If the student has completed the Notes, Classwork and the Review Assignment then may retake the Test. If they need any additional review material I can help with or create anything that they would like to help with their understanding of the material

Grading

- Test will be the only grade related to the nine weeks grade
- Students can earn partial credit on questions, so it is important for them to show all their work
- Questions without work shown may not receive full credit.
- Test will be graded and handed back within 2 days
- The overall course grade will be
 $40\% \text{ of Q1 grade} + 40\% \text{ of Q2 grade} + 20\% \text{ of EoC} = \text{Final Grade}$

Attendance

Per [*Board of Education Procedure 3420-P*](#): Students who exceed the number of absences to earn course credit must attend attendance recovery within two weeks of their last absence.

Per [Board of Education Procedure 4400-P](#): To receive credit for a course, a student must not have more than five (5) unlawful class absences.

When a student must miss school, a written excuse signed by a parent or guardian must be presented to the student's teacher on the day the student returns after an absence. Absences due to extended illnesses may also require a statement from a health care practitioner.

Additional/Supplemental Information

The structure for the class will be as follows

-Day A – 30 - 50 minutes of notes followed by 50-30 minutes of classwork time.

(I would highly recommend spending 30-60 minutes of time at home). Notes will typically have 3-4 types of problems

-Day B – 55 minutes of classwork time, then classwork will be turned in and we will do an exit slip for approximately 20 minutes then review the exit slip in the last 5 minutes of class

- Classwork's are designed to have 3-4 categories based off the notes, each category could have 6-12 questions. So classwork's could have anywhere from 24-48 Questions, but this is just an approximation and can vary from classwork to classwork.

- Exit Slips will have 4-6 questions on them

- We will typically do this 3-4 times per Topic.

- Then we will have a day for review, the review assignments are designed to be very similar to the test questions.

- The Test will be 6-8 Questions and designed to be 30-40 minutes long.

- Students will have the entire class to work on the Test so they will have double the time if needed.

- For students that finish before the class ends, I will have guided notes for them to work through quietly to prepare them for the next topic.

- If you do not get to work on the guided notes in class, then it will be homework for that night.

All material on the syllabus is subject to change.