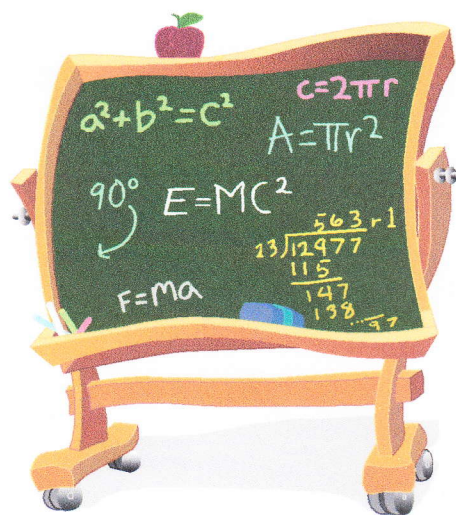


Parent Information Packet

Mr. Rodriguez's Algebra 1 Honors Class 2021-2022





MAST Academy

A Nationally Recognized School of Excellence



August 23, 2021

Dear Parents and Guardians,

Welcome to the 2021-2022 school year at MAST Academy!

My name is Fernando Rodriguez and I look forward to working with you and your child to ensure his/her success.

In this packet you will find information on :

Mr. Rodriguez's Discipline Plan

Useful websites , strategies for academic growth, curriculum description and a list of materials needed for the class

Important dates to mark on your calendar

At the end of the packet you will also find a Students Information and Verification Form. Please complete and return this page to me during the first week of school and keep the other part of the packet for your reference. The Verification Form should be signed by you and your child.

Thank you for taking the time to read through this information. I hope you find it useful. I will be going over all this material with the students, but would appreciate if you would review it with him/her as well. Please feel free to contact me at the school at 305-365-6278 or email me at 275638@dadeschools.net.

Sincerely,

Fernando Rodriguez

Mathematics Instructor

Mast Academy

275638@dadeschools.net

"Let their success be your inspiration" - Junior Achievement

Discipline Plan



In order to provide my students with the excellent educational climate they deserve, I have developed the following Discipline Plan, which will be in effect at all times in addition to the school's rules and Miami Dade County Public Schools Code of Conduct, which can be viewed at ehandbooks.dadeschools.net/policies/90/

RULES

1. Respect the teacher and your fellow students
2. Complete all assignments as soon as they are given
3. Come to class on time and enter the room quietly
4. Raise your hand and wait until the teacher gives you permission to speak
5. Do not get out of your seat without permission

CONSEQUENCES

1. Warning
2. Student teacher conference
3. Think and reflect/time-out/loss of privileges
4. Parent contact
5. After school detention
6. Student conference with counselor
7. Student/Parent conference
8. Administrative referral

SEVERE DISRUPTION: A referral form will be written up and student will be immediately referred to an Administrator.

ONLINE INSTRUCTION: In the event that class has to be delivered on line, you will be expected to:

1. Turn off your microphone before entering the meeting, tell family members that you are starting a session to prevent disruptions, and use your first and last name to join the meeting.
2. Use "thumbs up" on camera to show engagement and participation in class.
3. Keep your camera on at all times. Do not leave the session or turn off your camera without permission.
4. Unmute your microphone when I call on you. Be respectful when communicating through messages. Desktop background should be school appropriate.

IMPORTANT DATES

Interim Progress Reports

September 2021
November 2021
February 2022
May 2022



Report Cards

November 2021
January 2022
April 2022
June 2022

Main Assessments

Aug/Sept 2021	Baseline Assessment
December 2021	MidYearAssessment
May 2022	End of CourseAssessment (CBT)
May 2022	Year End Benchmark Assessment

(Please note that these dates are tentative as at the time of the preparation of this packet I have not received the official Miami Dade County Public School dates).

MATH WEBSITES

Encourage and monitor your child to use these websites:

www.MathNation.com

www.fsassessments.org

www.khanacademy.org/math/algebra

www.desmos.com/

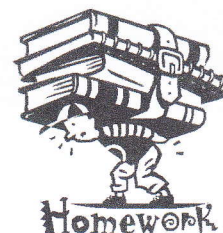
www.explorelearning.com

www.coolmath.com

<http://nlvm.usu.edu>

www.mathisfun.com

www.mathopenref.com/



Note: For some of these websites user names and passwords will be provided to the students. Some of the sites can be accessed through MDCPS Student Portal.

STRATEGIES FOR ACADEMIC GROWTH

As a parent, you can help your child improve his/her performance in class by :

- * Monitoring your child's homework DAILY !
- * Providing a quiet, well-lit area and supplies for doing homework.
- * Setting up a homework routine.
- * Monitoring that he/she reviews the book/class notes.
- * Encouraging your child to use the suggested websites.
- * Checking to see if your child is taking notes daily, and in a neat and legible manner.
- * Making sure an appropriate bed time is set and enforced.
- * When appropriate, encouraging your child to participate in an after School Math Tutoring Program.
- * Encouraging your child to participate in clubs, service organizations or intramural sports.

MATERIALS /SUPPLIES

The following list of supplies will be needed for the Mathematics class:

- *One 2 inches ring binder (for Algebra1 only, to bring to class), one 3 inches ring binder (for Algebra1 only, to keep at home) , 12 dividers, college ruled paper with reinforcers , a package of graph paper, a pocket hole puncher.
- *Some #2 pencils, a pencil sharpener that contains the waste, a highlighter, an eraser and a 12 inches ruler.
- *1 calculator - (TI-30xIIs or TI-30xa or TI-84CE)
- * Earbugs

Students should bring their laptop computer and charger to every session. If needed, our school is allowing students to check out laptops, please see our librarian, Mrs. Reyes.

Algebra 1 Honors Curriculum Description

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Unit 1- Relationships between Quantities and Reasoning with Equations: By the end of eighth grade, students have learned to solve linear equations in one variable and have applied graphical and algebraic methods to analyze and solve systems of linear equations in two variables. Now, students analyze and explain the process of solving an equation. Students develop fluency writing, interpreting, and translating between various forms of linear equations and inequalities, and using them to solve problems. They master the solution of linear equations and apply related solution techniques and the laws of exponents to the creation and solution of simple exponential equations.

Unit 2- Linear and Exponential Relationships: In earlier grades, students define, evaluate, and compare functions, and use them to model relationships between quantities. In this unit, students will learn function notation and develop the concepts of domain and range. They explore many examples of functions, including sequences; they interpret functions given graphically, numerically, symbolically, and verbally, translate between representations, and understand the limitations of various representations. Students build on and informally extend their understanding of integer exponents to consider exponential functions. They compare and contrast linear and exponential functions, distinguishing between additive and multiplicative change. Students explore systems of equations and inequalities, and they find and interpret their solutions. They interpret arithmetic sequences as linear functions and geometric sequences as exponential functions.

Unit 3- Descriptive Statistics: This unit builds upon students prior experiences with data, providing students with more formal means of assessing how a model fits data. Students use regression techniques to describe and approximate linear relationships between quantities. They use graphical representations and knowledge of the context to make judgments about the appropriateness of linear models. With linear models, they look at residuals to analyze the goodness of fit.

Unit 4- Expressions and Equations: In this unit, students build on their knowledge from unit 2, where they extended the laws of exponents to rational exponents. Students apply this new understanding of number and strengthen their ability to see structure in and create quadratic and exponential expressions. They create and solve equations, inequalities, and systems of equations involving quadratic expressions.

Unit 5- Quadratic Functions and Modeling: In this unit, students consider quadratic functions, comparing the key characteristics of quadratic functions to those of linear and exponential functions. They select from among these functions to model phenomena. Students learn to anticipate the graph of a quadratic function by interpreting various forms of quadratic expressions. In particular, they identify the real solutions of a quadratic equation as the zeros of a related quadratic function. Students expand their experience with functions to include more specialized functions absolute value, step, and those that are piece wise-defined.

STUDENT INFORMATION FORM HELP ME TO KNOW YOUR CHILD

Student's Name _____ Birthday _____

Address _____

Telephone _____ Cell Phone _____

Mother's Name _____ Work Phone _____

Father's Name _____ Work Phone _____

What language is mostly spoken at home? _____

Does your child have any medical problems I need to be aware of? _____

What does your child like and dislike about school? _____

Does your child have access to a computer and internet at home? _____

What is your child's favorite subject? _____

Which subject gives your child the most difficulty? _____

What are your child's work habits like? _____

What, in your opinion, is the best way I can help your child succeed this year? _____

VERIFICATION FORM

This is to acknowledge that we have received and reviewed the Parent Information and Student Information Packets from Mr. Rodriguez.

Parent/Guardian Name _____

Student Name _____

Date _____