TEACHER INTRODUCTION TO PARENTS

September 8, 2020

Greetings,

My name is Khalid Kukoyi. I am your child's (Pre-Calculus/Calculus/Statistics) teacher. I am excited to meet you. I love Madison High School and am eager to learn more about your student this year.

I ask you to partner with me in your student's education. As your student's teacher, I want to contribute to your child's education that will last a lifetime.

I look forward to this new school year. I am excited because there are lots of new things to be learned. My goal for this year is to help your student to become an independent thinker and responsible learner. To accomplish this goal, there will be regular assignments and homework. My expectations for your child for this year will be high. They will need to work hard and do their best!

Please feel free to contact me at kkukoyi@houstonisd.org should you have concerns regarding your child.

Respectfully,

Mr. Khalid Kukoyi (KK)

<u>TEACHER INTRODUCTION TO PARENTS</u>
AP PRE-CALCULUS - COURSE DESCRIPTION

Madison HS – Year 2020-2021
Teacher: Kukoyi Khalid

<u>COURSE MATERIALS</u>

- ***<u>Texas Precalculus eBook</u>***. : McGraw Hill Education 2016.
- Student Supplies:
  1. Notebook, Pencils and pens
  2. Graph papers
  3. Graphing Calculator (TI-83 or TI-84) for used at home (if possible)

<u>TEACHING PLATFORM</u>

1. We will use <u>*Microsoft Teams*</u> as our chat-based collaboration platform complete with our learning document sharing, online classes and many useful teaching and learning communications (JOIN the Team)
2. We will use the digital teaching and learning platform know as **<u>HISD HUB</u>** where our communication will be displaced (Always LOG IN to the HUB)
3. We will use **Apex Learning Program** which is an alternative learning program designed to help you to be successful in this course (Always log in the APEX)

<u>COURSE SYLLABUS</u>:

The Pre-Calculus course topics include college algebra, advanced trigonometry, and analytic geometry of two or three dimension. Students experience a thorough analysis of all elementary function and curve sketching. Selected discrete mathematics topics including normal probability distributions, non-linear regression, and hypothesis testing are explored. Practice with proofs, such as mathematics induction, are included. Experience with graphing calculators is incorporated. The course syllabus will encompass the below topics:

1. **Conversion of Angles and Measures Functions**
2. **Trigonometric Functions**
3. **Graphs and Properties of Trigonometric Functions**
4. **Inverse of Trigonometric Functions**
5. **Trigonometric Identities and Equations**
6. **Trigonometric Equations**
7. **Applications of Trigonometric Functions**
8. **Composition of Functions and Inverses**
9. **Piecewise and Step Function**
10. **Polynomial Functions-Attributes**
11. **Polynomial Functions-Applications**
12. **Rational Functions-Attributes**
13. **Rational Functions, Inverse & Joint Variation**
14. **Exponential & Logarithmic Functions-Attributes**
15. **Exponential & Logarithmic Functions-Applications**
16. **Arithmetic and Geometric Sequences & Series**
17. **Binomial Theorem**
18. **Intro to Conic Sections**
19. **Attributes of Ellipse and Hyperbola**
20. **Parametric Equations and Plane Curves**
21. **Polar Coordinates, Equations, and Graphs**
22. **Vectors**

II. ASSIGNMENTS, QUIZZES, AND TESTS

A. Class time will be opened with a Warm-Up

TEACHER INTRODUCTION TO PARENTS

B. A set of guided-practice and self-practice exercises will be assigned for each class period.
C. Homework will be given every day and expected for submitting at the next class period.
D. Tests will be given at the end of each unit, progress report time, end of each cycle.
B. Extra credit will typically be available for cooperative group work, participation in class, helping other students, good behaviors, and excellent tasks.
C. Retakes of Assignments and Homework will be available. Students need to inform the teacher if they wish to retake assignments as soon as possible after they receive their retake assignments. **Retakes must be submitted, before the end of the cycle they were assigned.** The highest score possible on a retake is 70%.

IV.   COURSE EVALUATION

A.   The following scale will be used to determine grades.
Homework and Journal/Notebooks   15%
Class Assignments and Quizzes   30%
Unit Tests and Projects   30%
Final Semester Exam   25%

B.   Grading Scale:
100% - 90% A
89% - 80% B
79% - 70% C
69% - 60% D
59% - 0% F

VI. CLASS RULES

1) Students will be respectful to every person, in the class and their property.
2) Students will use appropriate language and comply with the school's dress code, rules and regulations.
3) Student should come on time to class and be prepared.
4) Students are expected to have the correct textbook, digital book, notebook, loose-leaf paper, a folder, and a pencil/pen each day. A student is tardy if he/she is not in his/her seat when the bell rings.
5) Students will not be allowed to use cell phones and electronics device during class times without permission.
6) Students will not be allowed to bring/sell/buy food or drinks to the classroom.
7) Homework and Class Assignments are a part of the student grade. When not submitted electronically, they should be done neatly on lose-leaf paper. The student's name, class period, date, and lesson name should be at the top of each paper turned in for grading.
8) Student will be responsible for the missing work when being absent. Students should look on the website or contact teacher for the makeup work within a week of returning.

VI. TEACHER AVAILABILITY

•   I will be available for extra help or other questions/concerns before/after school or by appointment.
•   My conference period
•   I am available Monday-Friday starting at 7:00 AM for class preparation and tutorial
•   I can be reached at school phone (713) 433-9801, or e-mail. kkukoyi@houstonisd.org