**FRIEDRICH FROEBEL BILINGUAL SCHOOL**

**MATH DEPARTMENT**

**HIGH SCHOOL**

**Subject: Algebra and Trigonometry School Year 2018-2019**

**Textbook: Algebra and Trigonometry by Ron Larson, 9th edition, (2015) Cengage**

**Teacher:** Mrs. L. Calero

**Email:**[lcalero@fbspr.com](mailto:lcalero@fbspr.com)

**Office hours:** By appointment

Welcome to Algebra and Trigonometry! I look forward to have a great year working with you.

1. **Course Description:** This course aims to work with algebraic expressions and operations

through functions, graphs and real-world models. Topics included are

linear, quadratic, and higher degree polynomial functions and identities, systems of equations, and trigonometric functions. Schedule is subject to change.

1. **General Objectives:**

* Workwiththe basic properties of real and complex numbers to deal with problem solving skills in algebra and trigonometry.
* Better prepare students for success in precalculus and future college level mathematics.

1. **Course Content**:

|  |  |
| --- | --- |
| Unit | Quarter |
| Algebra Review | 1st Quarter |
| Equationsand Inequalities | 1st Quarter |
| Linear Functions and Graphs | 1st Quarter |
| Transforming Functions | 2nd Quarter |
| Polynomial Functions | 2nd Quarter |
| Rational Functions | 2nd Quarter |
| Exponential and Logarithmic Functions | 2nd Quarter |
| Angles and Their Measures | 3rd Quarter |
| Right Triangle Trigonometry | 3rd Quarter |
| Trigonometric Functions | 4th Quarter |
| Introduction to Vectors | 4th Quarter |

\*\* **This syllabus is a guide for the course and is subject to change. Changes, if any, will be announced in class. Students will be held responsible for all changes.**

1. **Required Materials**

Notebook (a quadrilled notebook proved to be helpful for some students), pencils, erasers, graph paper, ruler, coloring pencils and loose leaf paper. Calculators will be used in class and on tests when directed by the teacher (Phones, iPods, mp3 players, or any other devices are not allowed as calculators). Protractor. Compass. Students will also be asked to bring two (2) file folders for the year. Any other materials required will be requested with at least, five (5) days of prior notice.

1. **Evaluation Methods**

|  |  |
| --- | --- |
| \*\* Tests (4 -5 per semester) | 40% |
| \*\*Daily work, notebook | 20% |
| \*\*Specialprojects | 15% |
| \*\*Homework | 15% |
| \*\*Quizzes | 10% |

1. **Class Procedures and Discipline Policy**

Late assignments and make-up work:

Unexcused late work (including homework as well as major assignments) will not be accepted in this class.

In the case of an excused absence, the student must turn in assignments within two days of the absence and, also within the two-day period, must make up tests that were administered during the absence. (The student should make arrangements with the teacher.) If an assignment was given before the absence, the student is expected to send the work or turn it in on the day of his or her return to school.

If the student does not have access to a computer or typewriter at home, the parent should notify the teacher at the beginning of the school year so there is time to explore possible options.

The teacher will not excuse work that is late due to printer problems (no ink cartridge, etc.). The student must also bring, on or before the assignment due date, a parent note which describes the nature/circumstances of the problem.

When major technology problems occur unexpectedly (a computer crash, for example), the student may handwrite the composition neatly in black ink on paper. The student must submit a parent note of explanation along with the handwritten work. In the case of a major technology problem the evening before the due date for an assignment or project, the student may be granted a brief extension. The student must bring a parent note of explanation on or before the date the assignment is due.

1. **Discipline Policies**

The teacher will try to work with each student in areas that need improvement. If problems persist, the teacher will notify the student's parent(s). If misbehavior continues, the teacher will submit a referral to the social worker/administration for action. Students who create severe disturbances in class will be removed immediately. Further, the teacher will support all school policies outlined in the Student Handbook and will follow the Discipline Plan required by school administration. Classroom rules include:

Be on time. (The teacher will follow school policy.) If you are late for any reason, you must furnish a late pass from the school office, even if you have a pass from another teacher.

Bring appropriate materials.

Have completed homework in class. (Students will not be able to return to their lockers during class.)

Follow procedures for unexcused absences. (See student handbook.)

Limit requests for restroom visits to extreme emergencies.

Refrain from speaking out in class and calling out responses. You must raise your hand.

Leave gum and candy out of the classroom.

Refrain from leaving seat without permission.

Refrain from socializing and behaving in a disruptive manner.

Cell phones are prohibited.(See student handbook.)

Sit up during class. (It helps concentration.)

Read and abide by rules and procedures outlined in the student regulation.

Respect others' right to learn.

Let’s have a great year!

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Parent/Guardian and Student Signature Page

I have read the Algebra and Trigonometry Course Syllabus and I understand the course requirements as well as the Classroom Rules and Procedures.

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Student Name (print) Student Signature Date

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Parent/Guardian name (print) Parent/Guardian Signature Date

7am – 4 pm Phone(s): ( ) \_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_\_

( ) \_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent email address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Please cut on dotted line and return this portion by the next class meeting.***\* This form IS FOR A HomeworkGRADE and must be returned to your teacher by August 14th 2018*