*Teacher:* ***Mrs. Jamie Provost***

*Classes:* ***Math 7, 8***

*Classroom:* ***Room C106***

*Email:* ***jprovost@tong464.net***

*Phone:* ***913-845-2627***

*Plan Period:* ***9:31 - 10:16***

*Course Purpose*

Through exploration and observation, we will develop an introductory understanding of the language and concepts of algebra. Additionally we will develop our problem solving and logical reasoning skills. We will do this through the eight math practices underlined in the College and Career Readiness Standards: (1) make sense of problems and persevere in solving them; (2) reason abstractly and quantitatively; (3) construct viable arguments and critique the reasoning of others; (4) model with mathematics; (5) use appropriate tools strategically; (6) attend to precision; (7) look for and make use of structure; and (8) look for and express regularity in repeated reasoning. At the end of the year, we will be able to confidently use math to answer questions in our everyday activities.

*Course Objectives*

Through this course, students will

1) organize and analyze data and data displays.

2) identify linear and nonlinear relationships and understand their properties.

3) translate linear and nonlinear relationships among tables, graphs, and equations.

4) use relationships found in geometric shapes to find unknown dimensions.

5) solve multi-step equations and systems of equations using mathematical operations that

maintain equality.

6) show and describe the results of translations, reflections, and rotations.

*Course Focus*

Questions this class will help you answer: (1) How can graphical displays and statistics help organize data in order to be more easily understood by readers; (2) How can linear functions help define the relationship between two variables; (3) How are nonlinear relations in life represented mathematically (4) How can you manipulate equations to keep equality; (5) How can properties of shapes help find missing dimensions; (6) How is geometry used to measure the world around us?

*Classroom Guidelines*

1. Treat others as you wish to be treated
2. Do *your* personal best

*Materials*

I expect you to come to class each day with a pencil, calculator, and three-ring binder with the current textbook, paper, and composition notebook.

*Homework*

This course will have daily homework assignments. Daily homework is due the next school day after it is assigned, and it will be self-graded that day unless otherwise noted. ALL ASSIGNMENTS ARE TO BE COMPLETED BEFORE ENTERING CLASS! Each assignment will be graded for completion. Randomly throughout each unit, an assignment will be collected and graded for accuracy. Not all students’ assignments will be collected to be graded for accuracy at the same time, and there will not be a notice before it is collected. Each student will be given a rubric that will be used to grade the assignment.

**Late Work**: Homework not submitted on the due date at the beginning of class is subject to a 30% deduction (70% possible) at the discretion of the teacher. Late work will only be accepted up to the day before a unit test.

*Tests*

A comprehensive test will be given at the end of each unit (up to four per nine weeks). Tests will be announced well in advance, and we will review as a class. **Retakes** *may* be given to students who do not show mastery of concepts or are unsatisfied with their score. Retakes are NOT guaranteed and must be approved on an individual basis. If a student is allowed to retake, the student must: a) inform teacher, b) make test corrections, c) do additional work to ensure mastery, and d) make an appointment to retake the test before or after school within **two weeks** of original test.

*Grading Scale*

**A** 89.5-100% **B** 79.5-89.49% **C**  69.5-79.49%

**D** 59.5-69.49% **F**  0.0-59.49

Below are the thematic units we will aim to cover this year in the given order.

1. *Moving Straight Ahead* – Linear Relationships
2. *Thinking with Mathematical Models*– Inverse Variation
3. *Looking for Pythagoras* – The Pythagorean Theorem
4. *Growing, Growing, Growing* – Exponential Relationships
5. *Butterflies, Pinwheels, and Wallpaper* – Symmetry and Transformations
6. *Say It with Symbols* – Making Sense of Symbols
7. *It’s in the System* – Systems of Linear Equations and Inequalities

*Attendance Policy*

If you have an excused absence, you are allowed two days for every day absent to make up the work that you missed. With an excused absence, you will not miss any participation points given during your absence. *(Refer to the school handbook for a list of excused and unexcused absences.)* If you need additional time, you must speak with me or email me at least twenty-four hours in advance. Any materials handed out during your absence can be found in

the appropriate folder under “While You Were Gone” at the back of the room. Speak with me if nothing is in the folders. **It is your responsibility to make up what is missed**. If your absence is not excused, you will receive late credit for assignments due during your absence or participating points that were given during your absence.

**Tardies**: You are expected to be in your assigned seat when the bell rings. If you are not **in your assigned seat** when the bell rings, you will be counted as tardy.

*Important Classroom Procedures*

* As you enter the classroom, sharpen your pencil if needed BEFORE THE TARDY BELL. Next, you should get out your homework and place it in the folder on your pod. On Mondays, you will write the weekly classroom management in your planner. You should not be talking during this time.
* I dismiss you at the end of class, not the bell.
* All work should be done in pencil. I will not grade work done in pen.
* Pencils should be sharpened BEFORE THE TARDY BELL. If you need to sharpen your pencil during class, you may get up and do that without permission **when the time is appropriate**. It is NOT appropriate while I am speaking or while we are having class discussion. If you need a pencil sharpened at one of these times, hold you pencil in the air and I will replace it for you. Please get a tissue as needed, however only one student needs to be up out of his/her seat at a time. Things should be stapled, three-hole punched, etc. during passing or work time, not during class instruction or discussion.

*Electronic Device Guidelines*

No cell phones, iPods, laptops/tablets, or cameras are allowed to be used in the classroom unless otherwise noted. If you are unsure if a certain electronic advice is permitted in the classroom, ask before you bring it to class. If you are found to be using a prohibited device in class, that device will be confiscated until the end of the day. After school you can reclaim your device.

**Calculators**: Advanced graphing calculators are allowed in the classroom and can be used on homework assignments and group work. You will be informed before any test or quiz if calculators are not permitted. All calculators must be approved/cleared before a test or quiz. I have some calculators, but they are to remain in the classroom.

*Help!*

At some point, everyone could use some help. I may even need to ask you for help at times. As a teacher, I am here to help you be successful and reach your potential. I understand that you could have questions we will not have time for in class or will not get to in class. I am available after school until 3:45 most days, and before school at 7:30. (If you know you are going to come to my classroom in the morning before school, let me know so I can write you a pass.) If you are unable to meet with me at this time, come talk with me so we can arrange something else.