

Saint Jude Catholic School

Math Syllabus

Algebra I – Grade 8

Textbook: Algebra I, Glencoe, McGraw – Hill, ISBN #0-02-825326-4

Workbook: Practice Workbook - ISBN #0-02-824858-9

Course Content:

The main goal is to provide a study of Algebraic concepts and their applications. The concepts that will be covered (listed below) will be the foundation for high school mathematics courses. It is the bridge from the concrete to the abstract in our study of Mathematics. The Diocese of Palm Beach Math Curriculum Standards will be followed.

Course Standard Outline:

- Expressions-numerical-algebraic
- Rational numbers
- Linear equations
- Proportional reasoning
- Solving linear inequalities
- Systems of linear equations and inequalities
- Polynomials
- Factoring
- Quadratic Equations
- Graphing
- Geometry
- Standardized test preparations

Assignments:

Homework or classwork will be assigned daily with very few exceptions. Students are expected to write down assignments in their planners. Homework is to be done in pencil; any homework done in pen will receive 0%. Grading for homework is 100% for full completion, 50% for half done and 0% for not doing it.

Grading:

The class will be graded on a percentage system as follows:

- Tests - 40%
- Quizzes – 30%
- Homework - 15%
- Class Participation - 15%

Chapter Tests:

There is usually a mid-chapter and an end of chapter test. There will be a full chapter review before each test. There will also be a Mid-Term Exam and a Final Exam at the end of the year.

Procedures:

- All math work (class and home) must be completed in pencil
- Homework is due next day at the beginning of the period
- All homework must have MLA heading except for workbook pages
- Students must show all work
- Neatness enhances accuracy - strive to be as neat as possible

Supplies: The following is a list of supplies needed throughout the year:

- Sturdy 3-ring binder with loose leaf paper (for note taking, class work, and homework)
- Supply of loose leaf and graph paper (there will be assignments in class)
- Pencils (sharpened) and erasers
- Pencil sharpener (hand held with shaving container)
- Scientific Calculator (NOT a graphing Calculator) .. (Will be used at specific times during the year....very limited use)
- Colored pencils/crayons/markers for occasional assignments

Class Behavior and participation:

- Students are expected to arrive to class ready to work, with homework, binder and pencils
- Students are expected to actively participate in class
- Students are expected to be polite towards the teacher and each other AT ALL TIMES
- If a student misbehaves he/she will receive a "silent lunch"
- If student questions or does not provide his/her tracking card when asked to do so, it will be an automatic second silent lunch