

### **Course Description**

Algebra 1 is the course in mathematics for 8<sup>th</sup> grade. The focus areas of the Algebra are:

- Expressions, Equations, Language: Simplifying and Solving with an emphasis on work with word problems.
- Graphing Linear Equations and Function Notation: Graphing and set notation of inequality solutions.
- Systems and Polynomials.
- Quadratic Equations and Functions.

### **Textbook**

Algebra 1, 2018 Envision Savvas

### **Course Platform**

We will utilize for this course the Savvas Realize Platform as well as IXL.

### **Timeline**

(This is subject to change depending on the needs and abilities of the students.)

#### **Quarter 1**

Topic 1: Solving Equations and Inequalities

Topic 2: Linear Equations

Topic 3: Linear Functions

#### **Quarter 2**

Topic 4: Systems of Linear Equations and Inequalities

Topic 5: Piece Wise Functions

Topic 6: Exponents and Exponential Functions

#### **Quarter 3**

Topic 7: Polynomials and Factoring

Topic 8: Quadratic Functions

Topic 9: Solving Quadratic Equations

#### **Quarter 4**

Topic 10: Working with Functions

Topic 11: Statistics

### Materials

Each student must have all supplies listed below. These supplies must be brought to class everyday.

- iPad
- Pencil
- Paper (lined and graph)
- Binder
- Earbuds
- Dry erase markers

### Acceptable Use Policy (“AUP”) for iPad

Saint Hugh Catholic School is committed to student use of technology as a tool to expand learning opportunities and conduct scholarly research. Along with the opportunities this provides, comes responsibility. This **Acceptable Use Policy** is designed to give the student and the student’s family clear and concise guidelines regarding the appropriate use of Apple iPads. We expect our students to exercise good judgment and to utilize technology with integrity.

### Grades

**40% Tests** Test will be announced ahead of time.

**20% Quizzes** Some quizzes will be announced. Some will not. Quizzes will be done in a variety of formats. Quizzes will cover concepts in class as well as vocabulary.

**10% Classwork /Participation** Classwork will be assigned daily!!

**30% Project Based Assignments** There will be a minimum of one project each quarter.

**Available for Q/A :** I will be available from Monday through Thursday, 3:10pm to 3:40pm. Advance notice is required.

**Plagiarism :** If you plagiarize an assignment or assist in another person doing so you will receive a zero. The giver and the receiver receive the same punishment, no question asked. Administration will be notified.

**Deadlines :** A deadline is a deadline. No late work will be accepted! You are expected to complete your assignments and have it turned in the due date.

**Make up:** A student with an absence is required to make-up all work missed (tests, quizzes, homework, classwork, projects, etc.) The student will have the same number of calendar days he/she was absent to make-up the work. Any work not made up during this time will receive a grade of zero (0). It is the student’s responsibility to obtain assignments for all make-up work and completed as directed.

Students are to make an effort to determine what assignments are being given in class from friends and their teachers. All assignments and tests have a potential to receiving 100% if the student obtains that grade. ASSIGNMENTS /PROJECTS THAT ARE ASSIGNED PRIOR TO THE ABSENCE AND DUE ON THE DAY OF THE ABSENCE MUST BE TURNED IN ON THE DAY THE STUDENT RETURNS TO SCHOOL.

*Students with unexcused absence will receive a zero on any assignments/quiz or test given the day of the absence.*

*Make-up Tests/Quizzes* will be available in the Math Lab after school. Students who fail to take the tests within the allowed time frame will receive a zero (F) on the test/quiz. It is not up to the teacher to remind students of making up tests, quizzes.