Course Syllabus
Mathematical Decision Making 2017-2018

What is this course all about?

This course is designed to help you understand the logic and processes of mathematics in preparation for using mathematics in everyday life. It is designed to be equivalent to Math 1030 and has the option for Concurrent Enrollment during the second semester, based on ACT Math and Reading Scores of students.

Why should I learn mathematics?

- Mathematics is a required skill in other classes during high school and after (i.e. college, trade school, life, etc.).

- An understanding of mathematics and logic is linked to problem solving and critical thinking skills to help with non-mathematics problems.

With whom will I be working during this course?

- Mrs. Stokes
- Your classmates

Where will I be learning/applying math?

- The classroom
- Wherever you may be

How will I be expected to behave?

The following standards of conduct will be implemented in the classroom.

1. Respect everyone's rights. Respect your right to learn. Respect the rights of your classmates to learn. Respect the right of Mrs. Stokes to teach.
2. Create and maintain a non-threatening, secure, businesslike place for all members of the classroom (you, your classmates, Ms. Stokes, and guests).
3. Cooperate with Mrs. Stokes and other classmates to increase our opportunities to learn and discover mathematics.
4. Follow classroom procedures set by Mrs. Stokes.
5. Follow school-wide policies.

What do I need to bring with me to class everyday?

- Textbook, to be issued soon
- Notebook or a three ring binder
- Folder to store your work & three ring binder to use as your Portfolio
- Pen, pencil
- Calculator (I like the TI series, but any calculator will suffice)
- Willingness to work and try new thing

What will I be doing in class?
The work will be divided into three categories, where you will be expected to:
- Participate in activities and lessons
- Complete homework assignments
- Evaluate learning through quizzes
- Take tests
- Complete Projects and Study Skills Tasks

What will I learn from this course?
You will learn about ideas, relationships, and skills for each of the following units
- Logic and Number Sets
- Geometry and Units
- Modeling with Mathematics
- Probability
- Statistics
- Financial Management

These units will be covered in the second term pending time.
- Modeling with Systems and Matrices
- Design of Experiments
- Models of Choice
- Graph Theory

How do I earn my grade?
- Homework/Projects   32%
- Projects and Study Skills   8%
- Quizzes   10%
- Tests   51%

How do I get extra help?
The instructors will be available 30 minutes before school and after school and during lunch time by appointment only.

Note: School procedures and policies concerning absences, tardies, truancies, and other disciplinary issues will be observed in this class.