**Course Syllabus**

**Math III**

**Instructor:**

**Course Description:**

It is in Mathematics III that students pull together and apply the accumulation of learning that they have from their previous courses, with content grouped into four critical areas, organized into units. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational and radical functions. They expand their study of right triangle trigonometry to include general triangles. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. The Mathematical Practice Standards apply throughout each course and together with the content standards, prescribe that students experience mathematics as a coherent, useful and logical subject that makes use of their ability to make sense of problem situations. (WVDE website)

**Homework Policy:**

Homework will be checked at the beginning of class immediately after the bell. Failure to have the assignment available on time will result in a grade reduction.

**Online Grade Book (Teacherease):**

Teacherease will be used to record students’ grades, attendance, and behavior. Parents and students are encouraged to log onto Teacherease at least once a week to review student’s progress.

**Grading: The components of the course are weighted as follows:**

Assessments (tests quizzes, projects): 50%

Carnegie Computer Lab: 25%

Homework/Assignments: 25%

**Cognitive Tutor: Computer-based program**

Students will spend about 20% of class time working with the Carnegie computer software, which is an online program that works along with the lessons in their book. Students will be graded on completeness and are encouraged to work on the software during Mods and at home.

Students must complete three sections a week of Cognitive Tutor. Students will not be allowed to go back and complete missed sections unless students are absent. In this case, students will receive the amount of time extra that is allotted for an absence. Sections of Cognitive Tutor will be checked on Monday for the previous week.

See Student Handbook on Absence Policy

**Additional Help:**

MODs are in place every day to help struggling students. After school will be provided for students during a portion of the school year. I encouraged students to take advantage of the MODs and after school.

**Honors Credit:**

In order for students to receive honors credit for the course, students will be responsible for the criteria mentioned below. Students must complete the criteria outside of the classroom.

* Prerequisite Packet (Deadline: 4 Weeks from first day of school )
* Cognitive Tutor (Computer-based program) must be completed in its entirety. (Deadline: 2 Weeks before school ends)
* Research Paper on Famous Mathematician
* Students must complete a booklet for each module highlighting the important areas of each module. Students can be creative in construction of project. (Deadline: 2 Weeks after Module is taught)
* Students must design and teach lesson plan to class using lesson plan outline from Marshall University. (Timeline: May-June 2017)

If interested in honors credit for the course, detailed information of the above assignments will be given to you including expectations, rubrics, etc.

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| I have read and received the information with my child regarding the Math III syllabus.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Parent Signature Work Phone(if I may contact you there)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Home Phone \*\***Email Address\*\***I have read, reviewed, and understand the information regarding the Math III syllabus.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student Signature Date |