Accelerated Algebra/Geometry A

Justin Laurens

Course Description: This is the first **high school course** in a sequence of mathematics courses designed to prepare students to take Advanced Placement Calculus during their junior year in high school. This acceleration will also provide opportunities for AP courses and Dual Enrollment. The content of the course includes radicals, equations, inequalities, polynomials, systems, functions, transformations, linear, quadratic, and exponential modeling, arithmetic and geometric sequences, data analysis and statistics, fundamentals of logic/proof, constructions, triangle congruence, coordinate geometry, properties of quadrilaterals, right triangle trigonometry, linear regression and curve fitting.

Materials:

1 inch 3-ring binder notebook with paper and graph paper
1 Composition Book (100 pages) *not a spiral*
Pencils, colored pencils, Crayola markers, 4 Expo Markers
4 glue sticks, scissors, ruler, scientific calculator (TI-30XS Multi-View)

Grading:

30% Formatives: Two or three formatives (quizzes) will occur during each unit of study.

70% Summatives will be given once during a unit of study. *Student Learning Maps* and study guides are provided to help with preparation. Students who receive a grade below an 85% will be given an opportunity to retake a summative assessment to receive a grade up to an 85%. The retake opportunity will occur within one week of the original test date, and additional instruction will be available.

High School Credit/ GA Milestones: Students have the opportunity to receive a high school credit upon successful completion of this course. In the spring after grades are finalized, parents may decide to accept or deny the credit. To accept the credit means that a high school credit will be awarded and noted on the high school transcript. The final grade will count toward the high school *local* GPA, and the student will continue to the next accelerated course in ninth grade. To deny the credit means that no credit will be awarded, the grade will not be included in the *local* high school GPA, and the course will be taken again in ninth grade. *GA Milestones* is a cumulative assessment given in the spring to all students enrolled in this course. The score will be calculated as 20% of the overall average in the course.

Teacher Expectations for an Accelerated math student: Accelerated math students should uphold a high aptitude and motivation to learn mathematics. Students should demonstrate good work habits to maximize their performance. As the course progresses, it may become more difficult, and students may need to adjust their strategies to maintain a high level of performance. Students are expected to take ownership of their learning and remain at the center of the acquisition of knowledge. I will serve as a facilitator to this learning process. Students should continuously communicate concerns to me before, during and after class, and I will work fervently to provide the best individualized instruction possible.

PBIS: *MBMS will utilize a Positive Behavioral Intervention and Support (PBIS) System that consists of school-wide expectations to teach students appropriate behavior. These appropriate behaviors will be acknowledged through our Lightning Buck system. Effective consequences will be administered to discourage inappropriate behavior. Consistent discipline referral procedures will be used throughout the school through a step system that includes parent contact and teacher detention. Discipline data will be used to track the progress and identify areas to target for intervention.*

Communication: Please email me with your concerns jlaurens@oconeeschools.org I will be posting resources the class website which can be found at www.oconeeschools.org/jlaurens. I also utilize the *Remind* App for assessment reminders.

Instructions: Text **@laur8acc** to **81010**. Please clearly print your email address below to receive weekly math updates.

Parent/Guardian Signature: _____ Email: _____

Child's Name: _____ BEST Parent Phone #: _____

So that I may get to know your child as quickly as possible, please take a moment and share a brief description. Include any of the following: strengths/ weaknesses, likes/dislikes, personality, learning style, etc.

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