

*Saxon Algebra ½*, also known as Pre-Algebra, focuses on introductory Algebra concepts, facilitating from the concrete concepts of arithmetic to the abstract concepts of Algebra. Students will continue in their introductory studies of geometry, such as working with area, perimeter, and volume. They will work on quarterly projects that will enhance and apply what they are learning in real life, cross-disciplinary opportunities. Our class is filled with discussions and learning to work in ways that support each other.

*Saxon Algebra I* concentrates on teaching the fundamental aspects of problem solving, which is simply the application of mathematical concepts in new situations. During this course, we will also continue the study of area, volume, and perimeter of geometric figures that began in *Algebra ½*. Completing this course will also provide your student with half of their High School Geometry credit. Students will work on quarterly projects that will enhance and apply what they are learning in real life, cross-disciplinary opportunities. Our class is filled with discussions and learning to work in ways that support each other.

*Saxon Algebra II* continues the study of topics from Algebra and Geometry and begins the study of Trigonometry. We continue to dive deeper into the abstract study of the interrelationships of numbers. Completing this course will also provide your student with the second of half of their High School Geometry credit. Students will work on quarterly projects that will enhance and apply what they are learning in real life, cross-disciplinary opportunities. Our class is filled with discussions and learning to work in ways that support each other.

*Saxon Advanced Math*, also known as Pre-Calculus, contains an in-depth coverage of Trigonometry, Logarithms, Analytic Geometry, and upper-level Algebraic concepts. This course will produce a significant increase in the number of students who succeed in Calculus, Physics, and Chemistry either in High School or College. Because of the emphasis on problem solving and the development of productive thought patterns, it is also an excellent course for students who will study the social sciences. Students enrolled in this course will actively participate in class two days a week with the instructor, but also in a math lab where they will have an opportunity to work together on learning and practicing concepts with one another.