

Pre-Algebra
Academic Year 2022-23
Instructor: Gabrielle Hamblin

Class times: Tuesdays and Thursdays
10:00am **OR** 2:00pm (Eastern time)

Contact Information: LearnDash LMS messaging is reliable but subject to a delay due to their software.

For urgent contact, please email sgabriellehamblin@protonmail.com.

Prerequisites: Completion of 6th grade math or equivalent homeschool curriculum. Students will need to be familiar with the 4 functions of arithmetic, as well as aware of more complex topics like fractions, the coordinate plane, negative numbers, and square roots. (Aware of implies they have heard of the idea before, maybe used it, but do not have to be proficient at the concept.)

Course Description: This course is the culmination of prealgebra mathematics, a full pre-algebra course and an introduction to geometry and discrete mathematics. Some topics covered include Prime and Composite numbers; fractions & decimals; order of operations, coordinates, exponents, square roots, ratios, algebraic phrases, probability, and the Pythagorean Theorem.

Textbook: Saxon Algebra 1/2: An Incremental Development, 3rd edition – **it's light blue and dark blue**. Only the textbook is required, although other materials exist and can be all bought together as a package. Supplementary materials both from the publisher and from other resources will be posted online and can be printed off as needed.

Required Materials for the whole year:

- Pencil (NOT PEN!)
- Notebook paper/notebook
- Graph paper. Some students choose to do all of the homework on graph paper instead of notebook paper to help with neatness.
- Ruler or other straight edge for drawing lines
- Calculator with memory function (preferably not a smartphone!)

Schedule: We will try to do 2 of Saxon's lessons per class, taking more time as necessary if students need the practice. The general format of the class (40-45 minutes) is:

- 5-10 minutes of "I do", where the teacher demonstrates the concept
- 10-15 minutes of "we do", where students work on a practice problem and then describe how it is done, showing what work was necessary
- Repeat the above for the next lesson.

Expectations:

- 1.) Log in on time
- 2.) Please keep your camera on
- 3.) Please complete assignments by due date
- 4.) Mutual respect for classmates and course instructors
- 5.) Be prepared with textbook, paper, and something to write with
- 6.) Do your own work. I am available to meet outside of class to help.
- 7.) If you miss a class for any reason, you are still responsible for the homework assigned that day! Please try to watch the recording on LearnDash LMS

Grading:

Participation is about 11%, homework is about 66%, and tests are about 22%. To understand these numbers, consider the following:

Category	Points each	Quantity	Total Points in category	Percentage
Participation	10	64 classes	640	11%
Problem sets	30	123 lessons	3690	66%
Tests	40	31 tests	1240	22%

This syllabus is subject to change, but students and parents will be notified if changes need to occur! Please don't hesitate to contact Mrs. Hamblin with any questions or concerns throughout the year. 😊