



Class Name: Saxon Algebra 1
Block 4 (12:30-1:25)
Fall & Spring 2022-23

Tutor: Jenny Dixon
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Grade Level: 8th-11th

Course Description: Students will develop the understanding they need to resolve more complex problems and functions with this step-by-step course. Covers topics including signed numbers, exponents, and roots; absolute value; equations and inequalities; scientific notations; unit conversions; polynomials; graphs; factoring; quadratic equations; direct and inverse variations; exponential growth; statistics; and probability.

What to Expect: Students can expect about 1 hour of homework daily. **Students should grade their work and correct their errors daily. The best learning takes place when we correct our errors. This is a crucial step to gaining a full understanding of the material.** The answers to the odd problems are located in the back of the book. The few even problems that are assigned will need to be graded by a parent. In addition to class instructional time, I provide videos with instruction and extra practice problems for the student to view online at SchoolTube. **Access to the internet and a SchoolTube account will be required.** Please feel free to email or text me any additional questions during the week.

Prerequisites: Successful completion of the previous Saxon Math Class or Placement in Saxon Algebra1 via the placement test in the link below or a similar Saxon placement test. Text or email me pictures of your child's placement test grade and work for approval.
<https://www.sonlight.com/homeschool/curriculum/placement-tests/saxon-placement-tests/>

Curriculum/Textbook:

Saxon Algebra 1, Third Edition - ISBN:10 - 1565771346 ISBN:13 - 9781565771345
Saxon Algebra 1, Third Edition, Solution Manual - ISBN:10 - 1565771370
ISBN:13 - 9781565771376 *(It is not recommended that the students have access to this book however, it can be a great tool for the parents when helping with homework.)*

Supplies Required: Textbook and Solution Manual listed above, as well as an inch/centimeter ruler, protractor, compass, scissor, notebook paper, graph paper, and scientific calculator or graphing calculator.

I recommend Texas-Instruments TI-30XIIS for an affordable scientific calculator. There are a few graphing lessons at the end of the book that require a graphing calculator. If you purchase a graphing calculator check to make sure it is approved for the ACT and SAT. Also, used graphing calculators are readily available on Facebook Marketplace.

- **Monthly class cost:** \$10.00 per week
- **Materials/ Fee:** \$25.00 (per semester)

Minimum # of students: 5

Maximum # of students: 16

