

- ALL TIMES EASTERN STANDARD TIME
- CLICK BROWSER BACK ARROW WHEN FINISHED

Apologia Online Academy—Algebra 1

Algebra 1 is a course that gives students a foundation for future math and science courses. The concepts presented are first taught and then reinforced as the students work through the chapters. Students should have completed pre-Algebra or a complete 8th grade math program prior to registering for this course.

This course is designed for students to read and work the problems in the textbook independently. Lectures will explain concepts from new angles to further gain comprehension. Assignments given during the course of the year can develop skills such as problem solving, critical thinking and exploration of new concepts.

Topics include real number operations, variables and equations, solving inequalities, relations and functions, linear functions, exponents, polynomials, radicals, quadratic functions, and rational expressions.

Supplies for this class:

- **REQUIRED:** Bob Jones University Press, Algebra 1 3rd Edition
- **REQUIRED:** Calculator (recommended the Ti-84)
- **REQUIRED:** Composition Notebook
- **REQUIRED:** Folder
- **REQUIRED:** Any word processor with an equation editor included (Microsoft Word is recommended and Google Drive is also a good FREE option.)
- **OPTIONAL (LIVE STUDENTS ONLY):** Computer microphone and headphones (These items allow students to collaborate in groups effectively and verbally ask questions during lecture).
- **OPTIONAL (LIVE STUDENTS ONLY):** Computer pen tablet (Wacom or a budget tablet, e.g. XP-Pen G430, for digital note taking and sharing during live class group work)



Sharon Capra

Sharon Capra has nearly three decades experience teaching a variety of high school math, science, history, art, English and literature courses. Her teaching philosophy is geared towards ensuring her students grasp the core concepts of their subject and grow in understanding of the topics presented. She has used the Apologia curriculum to teach General Science, Physical Science, Biology, Chemistry and Physics. Sharon believes the Apologia materials assist the student in understanding God's amazing world.

At home and in her local community, Sharon has taught science to over four hundred high school students, to include homeschooling her twelve children and four of her grandchildren. She regularly assists in tutoring struggling students. For the past 14 years she has organized a science fair for her students and other members of local home school co-ops. In an effort to promote science fairs, she has taught public school teachers in Florida and New York on how to implement science fairs into their yearly planning. Additionally, she was a judge at the International Science Fair in Los Angeles, California.

In addition to teaching high school students, Sharon teaches adult Bible studies, leads a bi-monthly devotion for the seniors at a local nursing home, is trained as a doula, and has been, and continues to be a keynote speaker at numerous women's Christian conferences on the east coast.

A graduate of Albany Business College in New York, Sharon enjoys quilting, gardening, traveling, reading the Bible and is the author of the book *Tell Those Who Mourn*. Sharon's book speaks to her personal and family struggles in dealing with the death of her oldest son in combat in the Middle East, and how God provided a righteous pathway for them to navigate through their grief. She is currently writing her second book that will provide God-inspired and biblically based insights in dealing with the unique struggles for today's Christian.