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[9th Grade Algebra I](#)

We will be using the 2nd edition of the BJU Press Algebra 1 Student Text, by Kathy Pilger (ISBN: 978-1-59166-643-1) along with the A scientific calculator (graphing-capable recommended) and general school supplies are required.

Algebra is an extremely versatile subject that has a multitude of practical and educational applications. In this class, students will learn about integers; real numbers; solving equations and inequalities; relations; functions; graphs; systems of equations and inequalities; polynomials and factoring; radicals; quadratic equations and functions; and rational expressions and equations. Algebra and the Bible, practical applications of algebra, and probability and statistics are woven through each chapter.

Prerequisite: Algebra 1 requires the student to already be familiar with the properties of addition, subtraction, multiplication, and division; order of operations; decimals; fractions; ratios; percentages; factors and multiples; graphs; addition, subtraction, multiplication, and division of integers and rational numbers; square roots; and basic area and volume. A pre-algebra class is strongly recommended before enrolling Algebra 1. Algebra 1 is typically taken in 9th grade.

[10th grade Geometry](#)

We will be using the 3rd edition of the BJU Press Geometry Student Text, by Ron Tagliapietra (ISBN: 978-1-59166-347-8) A scientific calculator, protractor, ruler, and general school supplies are also required.

Students will learn about incidence geometry; subsets of lines, planes, and space; segments, angles, and measurement; proofs; congruence; triangles; quadrilaterals; circles; area; space; volume; symmetry, transformations, and similarity. Students will also be introduced to basic trigonometry. Each chapter emphasizes geometry and the Bible, analytic geometry, and real life uses for geometry.

Prerequisite: successful completion of Algebra 1. Geometry is typically taken in 10th grade.

[11th grade Algebra II](#)

We will be using the 2nd edition of the BJU Press Algebra 2 Student Text, by Kathy Pilger (ISBN: 978-1-57924-385-2) along with the A scientific calculator (graphing-capable recommended) and general school supplies are required.

Students will build on their Algebra 1 skills to learn more about operations; linear relations and equations; quadratic equations; polynomials; systems of equations and inequalities; radicals; complex numbers; rational expressions and equations; trigonometry, trig identities, and inverse trig functions; probabilities and statistics; and analytical geometry.

Prerequisites: Successful completion of Algebra 1 and Geometry. Algebra 2 is typically taken in 11th or 12th grade.

[About Me](#)

My first year with the PTC has been wonderful! I LOVE tutoring physics, and am looking forward to tutoring algebra

and geometry for 2008-2009.

I credit my parents and grandparents for leading me to become a Christian at an early age. After I attended public schools for eight years, my mom and stepdad began homeschooling me in 8th grade and continued through high school. After graduation, I attended Grand Rapids Community College and then transferred to Grand Valley State University, where I served as vice president of the GVSU Physics & Astronomy Club and earned my Bachelor of Science degree in physics, with a minor in math.

In addition to tutoring with the PTC, I also enjoy working part time as a receptionist at a local retirement home and in my stepdad's law firm. My husband and I live in Cedar Springs with our almost-three-year-old daughter. I love to read, garden, and spend time with family and friends.