

Great Oak Academy Math Course Options and Information

Math classes are held twice weekly. Students must attend one of the classes at Great Oak Academy (on site) but may attend the other class (online) via video conference. Participation in both sessions each week is required.

Note: Just as sports and music require significantly more extra practice time than many other activities, mathematics requires extra practice time for true mastery of concepts. Students should expect to spend a minimum of an hour each day on math homework for algebra 1, geometry, and algebra 2. Parents are expected to hold their students accountable as needed.

“Pre-Algebra”

Math-U-See Pre-Algebra by Steven P. Demme

Textbook: ISBN 1-60 826-028-3

Test Book: ISBN 978-1-60 826-346-2

(Recommended for students ages 12+)

Students wanting to take this course must already understand addition, subtraction, multiplication, division, fractions, decimals, and percentages. Students must have memorized times tables up through twelve. Note: students will need the textbook AND test book for this course.

“Algebra 1”

McDougal Littell Algebra 1 by Larson, Boswell, Kanold, and Stiff

ISBN 0-618-25 018-2

(Recommended for students ages 13+)

This course is intended for students who have successfully completed a pre-algebra course or covered equivalent material. Students wanting to take this course must already understand negative numbers, irrational numbers, absolute value, fractions, decimals, exponents, and the field axioms (commutative property, etc.). This course more than adequately prepares the student for the concepts of most Algebra 2 courses. Because of the varied nature of pre-algebra courses, an assessment test will be provided to ascertain the readiness of prospective students.

"Algebra 2"

Algebra and Trigonometry by Paul Foerster, Classics Edition

ISBN 0-13-165 710-0

(Recommended for students ages 14+)

This course is intended for students who have successfully completed an algebra 1 course or covered equivalent material. Students wanting to take this course must already understand polynomials, factoring, functions, the distance formula, midpoint formula, quadratic formula, and the Pythagorean theorem. Students must also be able to graph and solve linear, quadratic, exponential, and absolute value equations and inequalities. It is not necessary for students to have completed geometry before taking this course.

"Geometry"

Geometry by Harold R. Jacobs, Second Edition

ISBN 0-7167-1745-X

(Recommended for students ages 14+)

This course is intended for students who have successfully completed an algebra 1 course or covered equivalent material. Students wanting to take this course must already understand algebraic fundamentals including the distance formula, midpoint formula, quadratic formula, and the Pythagorean theorem. It is not necessary for students to have completed algebra 2 before taking this course.

Parents unsure of which course their student should take can contact Michelle for assistance in assessing. One-on-one tutoring (for the above courses) is offered at a rate of \$40 an hour. Contact Michelle for more information.

Who will teach these courses?



Michelle (Mitchell) Bemenderfer is a thirty-two year old home school graduate who has been saved by the grace of God. She recently married the most wonderful man in the world (Joshua, the IT guy at Creation Ministries) and they have two cats, two nieces, and a nephew. She was the Children's Ministry Intern at Midway PCA from 2014 until she got married in 2024, where she taught Sunday School, kids' Bible studies, and wrote VBS curriculum. Now she attends Grace Covenant PCA with her husband who serves as a deacon there.

Michelle began tutoring math in 2007 and quickly realized her aptitude for teaching this subject. She has successfully tutored many students since then, and often serves as the primary math teacher for homeschooled students. She has taught math at GOA since 2019. She loves helping people not cry over math and also loves the way studying mathematics can help us better appreciate the

beautiful, logical, orderly mind of our Creator and then give Him the glory for the beauty, logic, and order of the world He created.

Michelle is gifted academically (2008 National Merit semi-finalist), yet has the ability to connect on a practical level with students when they are struggling intellectually. Her many years working with children have given her insight into various methods of communication that equip her to tailor instruction of concepts to the unique thought processes of her students.

Michelle enjoys using the talents God has given her to serve the Great Oak Academy family.

You can contact Michelle by email (michelleipresume@gmail.com) or text (678-896-0692).