

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 1-60826-028-3

Test Book: ISBN 978-1-60826-346-2

(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 0-618-25018-2

(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 0-13-165710-0

(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 \$30 an hour. Contact Michelle for more information.

Who will teach these courses?



Michelle Mitchell is twenty-eight years old and saved by the grace of God. She is a homeschool graduate, currently working and volunteering part time as she pursues an online degree through Thomas Edison State College. She attends Midway PCA where she has been serving as the Children's Ministry Intern since 2014.

The Lord has given Michelle a passion for evangelism and for children, and she has been blessed with many opportunities to combine her passion for both through various teaching and directing opportunities with the children's programs at her church and a Good News Club at a local public school, as well as the privilege of writing the Vacation Bible School curriculum for her church. She also serves as a substitute teacher at Midway Covenant Christian School.

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.

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 looks forward to 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).

Testimonial

“I've had my bad luck with math teachers in the past, but Ms. Mitchell revitalized my love for numbers. Her approach to teaching is personal and fun-loving, and allowed me to learn what I needed to learn in a way that worked for me. She took her time to help explain anything that I didn't understand, and never got frustrated with me.” -C.B., *Great Oak Academy student*