

BHC Class Description



Course Title: Algebra 2

Teacher: Nicky Hobbs

Grade range: 10th - 12th

Day(s) of the Week: Tuesdays/Thursdays Times: 10:00am - 11:20am

Minimum Number of Students required for class: 8 Maximum accepted: 20

Credit Level (high school): Half Credit Full Credit X

Costs

Total Tuition:\$650

- Deposit of \$50 secures a student's spot in class (included in total cost).
- Payment Option 1: Remaining balance of \$600 to be paid on August 1st.
- Payment Option 2: Split remaining balance into two payments of \$300 each, due on August 1, 2025 and January 2, 2026.
- Venmo Information: @Nicky-Hobbs

Course Description

Algebra 2 offers a substantial review of all core topics of Algebra 1 and then moves on to cover these topics at an advanced level. Major topics include solving and graphing of linear and quadratic equations, factoring, a variety of word problems, solving quadratic equations by completing the square, solving simultaneous equations with fractions and decimals, complex roots of quadratic equations, solving systems of nonlinear equations, solving and graphing a system of inequalities, exponential equations, and a review of key geometry topics. Beginning concepts of trigonometry and matrices are also introduced.

Course Requirements or Prerequisites

Successful completion of Algebra 1. Completion of Geometry is recommended due to the Geometry content in this class but it is not required. Most students tend to take Geometry before Algebra 2 since a significant portion of the ACT math is Geometry...which is a very good strategy. However, there are cases in which it would benefit a student to take Algebra 2 first.

Student Responsibilities

Students are expected to attend all of the classes and stay current. If class is missed for any excused absence, it is the student's responsibility to keep up with missed assignments. Students are expected to complete all assignments in a timely manner, submitting all materials on Google Classroom by the day and time that it is due. Failure to do so will result in a loss of credit.

Tests and Grades

Final grades are a weighted average of Tests (50%), Homework Assignments (10%), Class Participation (10%), Graded Assignments (10%), and Semester Exams (20%).

Textbooks Required

Saxon Algebra 2 Homeschool Kit, 3rd Edition ISBN: 9781600320163

(****do not order the 4th edition!****). This includes a Student Textbook (577 pages), Testing Book, and Answer Key to check homework for accuracy. Recommended but optional is the Saxon Algebra 2 Solutions Manual that contains completed worked-out solutions to the problem sets.

<https://www.rainbowresource.com/001478.html>

Supply List

Textbook and test book, graphing calculator (optional but helpful), graph paper, and some type of notebook to keep organized, pencils, and erasers.

Teacher Biographical Information

Nicky Hobbs earned a Bachelor of Engineering, a Minor in Mathematics, and a Master of Business Administration from Vanderbilt University. Nicky has been married to his wife, Angel, for 35 years and they have been members of The Church at Brook Hills since 1996. Nicky and Angel have homeschooled their 7 children over the course of 27 years and their youngest son is currently a Junior in high school. Nicky has taught math to each one of his children and this will be his 3rd year teaching Algebra 2 at Brook Hills Co-op.

Teacher Contact Information

Nicky Hobbs

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Additional Information: Reminder: Please do not order the 4th edition of this curriculum...it does not correlate with the 3rd edition plus it has been discontinued!