



FREEDOMPROJECT ACADEMY

Course Syllabus

Junior High Math II/Fundamental Math

Course Description:

Employing a progressive and structured approach, the course begins with a review of previous lessons and moves rapidly to include exponents, fractions, square roots, ratios, and other skills necessary to begin the study of algebra and geometry. Continuous review built into each problem set builds solid retention. Students complete the Saxon protocol of four lessons each week and do the entire problem set for the effective development of strong math skills.

Major Topics of Study:

Adding, subtracting, multiplying, and dividing fractions and mixed numbers

Adding, subtracting, multiplying, and dividing decimals

Converting decimals, percents, and fractions

Ratios and proportions

Square roots and exponents

Adding, subtracting, multiplying, and dividing integers

Perimeter, area, volume, and surface area

Text/Required Materials:

Saxon 7/6 Text, 1st Edition (Optional)

Lined notebook or lined paper for taking class notes

Printer paper

Grading:

Daily problem sets – 50%

Tests – 40%

Facts practice tests – 10%

Attendance/Participation:

There is no penalty for not attending a live class. Students, however, are responsible for all material covered in class. FPA considers attendance a key to success.

Students are expected to be engaged in live classes and actively participate when present. This includes being ready to respond when called upon. Participation points will be recorded in the form of extra credit.

Expectations/Guidelines:

When completing daily assignments or tests, students are not permitted to use a calculator.

Work must be shown for all problems sets and tests. Work can be written on the provided answer key, lined paper, or graph paper. Failure to adequately show work will result in loss of points.

Before school begins, mastery of basic addition, subtraction, multiplication, and division facts is expected. Along with the daily problem set, students will complete a short, daily facts practice test.

Following the Saxon protocol, tests will be administered after every fifth lesson. Tests will need to be printed off, completed, and submitted in Canvas.

Students will take notes during live class. Notes can be taken in a notebook or on lined. Each week, students will submit one page of notes for review.