Courses: Pre Algebra

Teacher: Mr. Joe Hoffman

Contact Information:

Phone/TEXT 407-927-8450
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The best time to reach the Pre Algebra Teacher is: Wed-Fri business hours

Materials Supplies Needed for this Courses:

Students MUST have the following:

- Textbook (Saxon Algebra ½ 3rd edition) and the Answer Key OR Solutions Manual
- 3-ring Binder (1.5" or 2")
- 3 Tab Dividers (min.) labeled: 1) Notes/Handouts, 2) Homework, 3) Tests/Quizzes
- Graph Paper, Notebook Paper, Pencils
- Straight Edge (ruler or protractor)
- Calculators are NOT permitted for this class in the first 3 quarters. Calculators MAY be introduced in the 4th quarter.

My Goals are that each student would:

- become critical thinkers and competent problem solvers
- hone their math skills and build confidence
- be prepared for college entrance exams such as the SAT or ACT
- see the beauty and precision of our Designer in the complexities of the math

What you can expect of the Teacher:

- I will be professional, prepared, and on time.
- I will be available to you, the parent, so that our partnership will be successful.
- I will be attentive to each student and seek to develop their unique perspective as it pertains to problem solving, as well as challenge them to achieve beyond what they have ever thought possible.

What I expect of Parents:

I need Parents to:

- assist students in keeping up with the syllabus so that the work is turned in on time every week
- grade the daily homework and mark the numbers wrong across the top of the page
- check PRAXI, AT LEAST once per week and review your child's progress
- provide the necessary assistance when a student struggles (suggestions would be: 1. Help them with homework, 2. Bring them to Math Lab, 3. Hire a private tutor if necessary)
- occasionally proctor tests, online tests, and quizzes (This means making sure that they take these assessments with integrity and NO outside assistance.)

The Rock ACADEMY

Middle School Math Course Overview

What I expect of Students:

Students will:

- complete the weekly lessons and turn them in on time
- ask questions and participate actively in class—PLEASE contact me if you need help!
- come to Math Lab when extra assistance is necessary
- not associate their worth with a letter grade Self-esteem should NOT be tied to letter grades. Studying math can be a great experience in tackling a challenge, learning perseverance, and maintaining a great attitude. All of these are terrific benefits regardless of individual letter grades on assignments and assessments. As a strong work ethic is applied --skill level WILL go up.

Grading:

Grades are given to a variety of assessments, tasks, and projects. ONE low grade will NOT sink your academic ship—so don't lose heart if you get a poor grade on an assessment. It is important that students do their best on tests and those students independently master the concepts.

Grades are weighted as follows:

- **75% Tests and Quizzes**
- **20% Homework** (5 points per assignment)
- **5% Notebook**

EXTRA CREDIT is NOT always offered. Students who do not follow the directions for homework will NOT be given an opportunity for extra credit.

How to Get an 'A' in this Class:

- Turn your completed and graded homework in ON TIME!
- Keep a great notebook. (Everything must be filed appropriately, AND in sequential order)
- Show your work (where applicable) and work toward developing the processes necessary to do upper math.
- Work consistently every day. Do not make it a habit to let your homework pile up or do it all in one day.
- Get help when you need it.

Absences:

The TRA Policy is to give students one extra class period to turn in work due to an EXCUSED absence. If you should need more time to get caught up, it is up to the parent to contact the teacher and work out additional due dates.

Assignments that are 2 weeks past the original due date are given zeros.

Unexcused absences include, but are not limited to: sleeping in, not contacting the school in advance, in writing, for a planned absence. (There is a Planned Absence Form that MUST be filled out in advance.)

You can lose your seat in the class if you miss more than 4 classes.

TESTS

Some tests are proctored at home and some are given online or in class.

Students in Guided Study or Study Hall MAY be able to test if there is a suitable environment and a proctor available.

Occasionally, the lowest test of a semester **MAY be dropped**, but tests that were given a zero because they were not turned in **will NOT be dropped**.

Cheating is grounds for dismissal from the class and/or school. Students are not to receive any outside assistance during a test.

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Middle School Math Course Overview

Course: Pre Algebra Week-by-Week *			
Semester I			Semester II
1	**Lessons 1-4** (Place Value, Addition, Number Line, Rounding, Add, Sub, Mult, Div)	**19**	**Lessons 61-63** (Two-Step Equations, Fractional Part Word Problems, Changing Rates)
2	**Lessons 5-8** (Word Problems, Decimals, Estimation, Powers of 10, Ordering Dec's)	**20**	**Lessons 64-67** (Semicircles, Proportions, Sim Triangles, Ratio Word Prob, Ratios to Compare)
3	**Lessons 9-11** (Geometry, Divisibility, Equal Groups)	**21**	**Lessons 68-70** (Percent Word Problems, %'s < 100, Absolute Value, Adding Signed Numbers)
4	**Lessons 12-15** (Prime and Composite #s, Products, GCF, Fractions and Decimals)	**22**	**Lessons 71-74** (Powers/Roots of Fractions, Graphing Inequalities, Cylinders, Parentheses)
5	**Lessons 16-18** (Exponents, Area, Multiplying Fractions, Parts of a Number)	**23**	**Lessons 75-77** (Implied Ratios, Mult w/ Sci Notation, Percents > 100)
6	**Lessons 19-22** (Mult & Div Fractions, LCM, Average, Multiplying Fractional Factors)	**24**	**Lessons 78-81** (Opposites, Simplifying, Increase in Percent, Mult/Div Signed Numbers)
7	**Lessons 23-25** (US Customary System, Unit Mult, Metric system, Area as Difference)	**25**	**Lessons 82-84** (Eval Signed Numbers, Rate as Proportion Prob's, Neg Coefficients)
8	**Lessons 26-29** (Mode, Mean, Median, Range, Areas of Triangles, Improp Fraction)	**26**	**Lessons 85-88** (Equation of/ Graphing a Line, Alg Phrases, Properties of Alg, Surface Area)
9	**Lessons 30-32** (Add/Sub Fractions, Order of Operations, Variables & Evaluation)	**27**	**Lessons 89-90** (Trichotomy, Symbols of Negation, Algebraic Sentences)
10	**Lessons 33-36** (Conversion of Area Units, Add/Sub Mixed Numbers, Rates)	**28**	**Lessons 91-93** (Order of Oper's w/ Signed Numbers, Roots, Symbols of Inclusion)
11	**Lessons 37-40** (Equations, Rectangular Coord. System, Mult/Div/Equation Rules)	**29**	**Lessons 94-96** (Terms / Adding Like Terms, Variables on Both Sides, Mult-Term Equations)
12	**Lessons 41-43** (Overall Avg, Symbols of Inclusion, Mult/Div Rules, Mixed #s)	**30**	**Lessons 97-99** (2-Step Problems, Adjacent / Comp / Supp Angles, Exp & Signed Numbers)
13	**Lessons 44-46** (Roots, Exponents & Order of Oper's, Volume, Order of Ops w/ Fractions)	**31**	**Lessons 100-102** (Ratio Problems, Multiplying Exponential Expressions, Variable Bases,)
14	**Lessons 47-49** (Eval of Exp's and Radicals, Fractional Equations, Surface Area)	**32**	**Lessons 103-105** (Distributive Property, Triangles, Powers of Negative Bases)
15	**Lessons 50-53** (Sci Notation, Decimal Part of Number, Fraction Symbols, Percent)	**33**	**Lessons 106-108** (Roots of Neg #s, Neg & Zero Exponents, Roman Numerals, Fractional %'s)
16	**Lessons 54-56** (Ratio, Proportion, Powers & Roots, Frac's/Dec's/Per's, Mixed# equation)	**34**	**Lessons 109-111** (Simple & Compound Interest, Markup and down, Commission, Profit)
17	**Lessons 57-58** (Mixed Number Problems, Distance Problem)	**35**	**Lessons 112-114** (Probability, Inch & Metric Scales, Prob. of Independent Events)
18	**Lesson 59-60** (Proportions with Fractions, Circles)	**36**	**Lessons 115-117** (Polygons, Congruence and Transformation, Pythagorean Theorem)

**** These plans are a guideline and may be altered throughout the year. Circumstances such as hurricanes or other events may require that this schedule be updated.***