Course Title: *Algebra IA*

Teacher Contact Information:
- Please email me (liz@wearetherockofcf.org) or text me 407-468-5055 during regular school hours.   I do not check either in the evenings or on weekends.

Course Overview:
- Students will cover ALL the same text, concepts, and rigor of the traditional Algebra 1 course, but they will take 2 years to do it instead of one. (Algebra 1A and 1B)
- Students who are secure in their understanding and application of Algebra I skills are more likely to be successful in future math courses.
- Saxon Math is built on incremental development (small pieces) and continual review (master is developed over time with constant repetition).

Supplies List
- Supplies are on the website. https://www.therockacademyfl.com/copy-of-algebra-i-hs-2
- Students are required to be prepared for EVERY class period.

The Successful Student:
- Arrives on time to class with EVERYTHING he/she needs.
- Maintains the math notebook weekly.
- Has homework scored and questions marked and ready to go for class.
- Follows directions and asks for help when needed.
- Turns all work in complete and on time.
- Takes advantage of resources provided by the teacher.

The Successful Parent:
- Checks FACTS every week—all year long!
- Communicates in a timely manner with questions or concerns.
- Seeks out support and help needed for a struggling student.

Homework Policy
- Work that is not turned in on time in class does NOT receive full points
- Work not turned in within a week of the due date is given a zero.
- Students found cheating or copying will be given zeroes and risk being removed from the class.

New Course FACT Sheet 2024-2025

Algebra 1B Week-by-Week Overview

Semester I	Semester II
Week 1 – Lesson 1 Intro to Algebra; Review of Fractions	**Week 19** – Lesson 31, Equations with Parentheses;
Week 2 – Lesson 2 Intro to Geometry; Review of Basic Terms and Concepts	**Week 20** – Lesson 32 Word Problems
Week 3 – Lessons 3 & 4 Perimeter, Circumference, Review of Arithmetic	**Week 21** – Lessons 33 & 34, Products of Prime Factors; Greatest Common Factor (GCF)
Week 4 – Lessons 5 & 6, Sets; Absolute Value; Addition of Signed Numbers; Rules for Addition **Quiz 1.2**	**Week 22** – Lessons 35 & 36, Factoring the GCF; Dist Property w/ Rational Expressions; Neg Exp
Week 5 – Lessons 7 & 8, Opposite of a Number; Simplification; Area	**Week 23** – Lessons 37 & 38, Inequalities w/ Graphical Solutions; Ratio Problems
Week 6 –Lessons 9 & 10, Multiplying/Dividing Signed Numbers; Division by Zero; Area Conversion	**Week 24** – Lessons 39 & 40, Trichotomy Axiom; Negated Inequalities; Adv. Ratio Problems
Week 7 – Lessons 11 & 12, Reciprocal and Multiplicative Inverse; Order of Operations; Symbols of Inclusion **Test 2**	**Week 25** – Lessons 41 & 42 Like Terms in Rational Expressions; Two-Step Problems; Multi-Variable Equations
Week 8 – Lessons 13 & 14, Products of Signed Numbers; Evaluation of Algebraic Expressions	**Week 26** – Lesson 43 & 44 Least Common Multiple;
Week 9 – Lesson 15, Surface Area; **Notebooks Due**	**Week 27** – Lesson 45 Range, Median, Mode and Mean **Due Notebooks**
Week 10 – Lesson 16, More Complicated Evaluations	**Week 28** – Lesson 46, Conjunctions
Week 11 – Lesson 17, Factors & Coefficients; Distributive Property	**Week 29** – Lesson 47, Percents Less than 100; Percents Greater than 100
Week 12 – Lesson 18 & 19, Like Terms; Exponents; Powers of Negative Numbers; Roots; Evaluation of Powers	**Week 30** – Lessons 48 & 49, Polynomials, Degrees, Adding & Multiplying Polynomials
Week 13 – Lesson 20 & 21, Volume; Product Rule for Exponents; Like Terms with Exponents	**Week 31** – Lessons 50 & 51 Polynomial Equations; Ordered Pairs; Coordinate System; Graphing Lines
Week 14 – Lesson 22 ,23, 24 Statements and Sentences; Conditional Equations; Add/Mult Property of Equality	**Week 32** – Lessons 52 & 53 Adding Rational Expressions; Overall Avg; Power Rule; Vol
Week 15 – Lesson 25, Multiplicative Property of Equality; Solution of Equations	**Week 33** – Lessons 54 & 55 Substitution Axiom; Solving Equations; Complex Fractions
Week 16 – Lessons 26 & 27, More Complicated Equations; Simplifying Decimal Equations	**Week 34** – Lessons 56 & 57, Finite & Infinite Sets; Add Algebraic Expressions w/ Neg Exp
Week 17 – Lessons 28 & 29, Fractional Parts; Functional Notation	**Week 35** – Lesson 58 & 59 Percent Word Problems; Rearranging for Substitution;
Week 18 – Lesson 30, Algebraic Phrases **Semester 1 Notebooks Due**	**Week 36** – Lesson 60, Geometric Solids **Notebooks Due**

This schedule is an overview. TRA reserves the right to make changes during the school year.