Adventures in Algebra - Road 2

Course Goals and Objectives:
Correlates with the Common Core State Math Standards

1. Ratios and Proportional Relationships
   • Analyze proportional relationships and use them to solve real-world and mathematical problems.

2. The Number System
   • Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.

3. Expressions and Equations
   • Use properties of operations to generate equivalent expressions.
   • Solve real-life and mathematical problems using numerical and algebraic expressions and equations.

4. Geometry
   • Draw, construct and describe geometrical figures and describe the relationships between them.
   • Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

5. Statistics and Probability
   • Use random sampling to draw inferences about a population.
   • Draw informal comparative inferences about two populations.
   • Investigate chance processes and develop, use, and evaluate probability models.

Student Assessment:
There will be no letter grades assigned in this course. In place of letter grades, a developmental level will be assigned based upon the stated course objectives throughout the program. Students will receive a final assessment of: beginning, emerging, developing, capable, experienced, or exceptional.

Week One:
Integers and Rational Numbers
Order of Operations, Properties Review
Integer Review
Week Two:
Integers and Rational Numbers (continued)
Decimal Operations and Applications
Fraction Operations and Applications
Percent Applications

Week Three:
Proportional Relationships
  Ratios, Rates, and Proportions
  Problem Solving and Application

Week Four:
Expressions, Equations, and Inequalities
  Simplifying Algebraic Expressions
  Solving and Graphing Equations and Inequalities in one variable

Week Five:
Graphing in the Coordinate Plane
  Slope and Rate of Change
  Direct Variation
  Interpreting Graphs

Course Materials:
Davison, Landau, McCracken & Thompson. Pre-Algebra. Prentice Hall.
Cost to Replace $30.00

In addition to the text, students are to bring to class each day the following items:
1. Three-ring notebook binder
2. Lined notebook paper
3. Graph paper
4. Pencils
5. Colored pencils
6. Two red pens
7. Ruler
8. Pencil sharpener with a barrel to collect shavings
9. Basic calculator (Expensive scientific calculators are not needed.)

Classroom Behavior:
The student is expected to demonstrate mature, polite behavior and extend courtesy to everyone at all times:

1. Actively participate, and respectful verbal and nonverbal interaction with all opinions must be shown at all times.
2. Since differing views will be expressed, the teacher and the student(s) will mutually maintain a safe environment for courteous dialogue.
3. Respect is to be shown for all CSUN property.
4. No food or beverages will be permitted in the classroom. Snacks must be eaten outside between the designated breaks.

5. Warnings for behavior / discipline problems will be given once. Any further problems will result in a phone call to the parent(s) or guardian(s) and possible dismissal from the program.

**SAEP Electronics Policy:**

*Cell phones, music players and headphones are not permitted to be used during class hours.*

- a. Please put your cell phone on silent (NOT vibrate).
- b. No texting is allowed during class.

You will be given one verbal warning if the above is not followed. Should a second warning be necessary, your cell phone, music player and/or headphones will be confiscated and held by the teacher until after class. If a third time occurs, your cell phone, music player and/or headphones will be confiscated and held in the SAEP office and MUST BE PICKED UP BY A PARENT.
Adventures in Algebra - Road 2

After reading through the syllabus, please sign and date and have your student return it to class. The signature constitutes your commitment to the class as we partner to make the next five weeks a life-long educational experience for your student.

**Student/Parent Agreement:**
Please bring this signed and dated *Adventures in Algebra - Road 2* syllabus agreement to class tomorrow.

If you do not understand any portion of this syllabus, or if you have any questions regarding this class, please do not hesitate to email the teacher.

We have read and understand the contents of this syllabus.

Student name _____________________________________________________

Student signature____________________________________________________

Date____________________

Parent/Guardian name _______________________________________________

Parent/Guardian signature_____________________________________________

Date____________________