TRST2421   Math Skills Development 2   CCSF Instructor: Grace G. Imson

SYLLABUS

CONTENTS   Class Calendar SLO and CA STD

A. Fractions   *(August2015)*
 l. Factors, Multiples, Prime numbers (T798)
2. Equivalent fractions & Reducing to Lowest Form
3. Mixed Number
4. Four operations with fractions
5. Lowest Common denominator

B. Decimals   *(September)*
I. Place value and concept of decimal (TAAP)
2. Four operations with decimals (TAAP)
3 Conversion of decimals to fractions 2-6

C. Ratio and Proportion   *(September)*
1. Ratio (A 2-6)
2. Cross multiplication   (A 2-7)
2. Resolution of problems with ratio and proportion (A2-8)

D. Percentage   *(October)*
I. Concept that percentage is a portion of the whole(Hands-on)(A2-9)
2. Conversion of fractions, decimals and percentages (A 2-10)
3. Solve the three different types of percentages problems (A 2-10)
4. Practical applications with percentages (A p.144 ,156)

E. Algebra   *(November)*
l. Concept of variable (A1-1)
2. Operations with signed numbers (A1-2)
3. Fundamental order of operations (A1-2)
4. Number Line (A1-3)
5. Properties of Real Numbers (A1-4)

F. Geometry   *(December)*
1. Points, Lines and Planes (G 1-2)
2. Measuring Angles (G 1-3)
3. Exploring Angle Pairs (G 1-5)
4. Triangles (TAAP)
5. Perimeter , Circumference and area formulas (G 1-8)
6. Volume of three dimensional figures (G 11-4, 11-5, 11-6)

SLO

CA COMMON CORE STANDARD

STANDARD FOR MATH PRACTICE

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.