

## CLAS 3rd-5<sup>th</sup> Grade Elementary Intervention Math Program

Starting January 9<sup>th</sup>, CLAS scribes in grades 3 through 5 will participate in our Math intervention program Monday through Thursday for 25 minutes to review and enhance math skills needed for success in Algebra. Our program addresses the need for every student to receive an integrated and balanced instruction of mathematical proficiency. Every group will accomplish the following:

1. **Conceptual understanding**— comprehension of mathematical concepts, operations, and relations
2. **Procedural fluency**— skill in carrying out procedures flexibly, accurately, efficiently, and appropriately
3. **Strategic competence**— ability to formulate, represent, and solve mathematical problems
4. **Adaptive reasoning**— a capacity for logical thought, reflection, explanation, and justification
5. **Productive disposition**— habitual inclination to see mathematics as sensible, useful, and worthwhile, coupled with a belief in diligence and one's own efficacy. (Kilpatrick, et al., 2001, p. 11)

Students will be grouped by skill level and each level will focus on particular math skills and concepts needed to make sure scribes can access their grade level math content. Student advocates will use the Envision intervention program as well as other teacher-generated activities for student learning.

The Intervention program is available on line with the password and username given by Dr. Orange earlier in the year.

### **Group A** (Low)

#### **Grade 3 - Booklet A:** Numbers, Place Value, Money, and Patterns

- Numbers and Place Value to 100
- Fractions
- Money and Decimals
- Patterns
- Greater Numbers, Comparing, and Ordering

#### **Grade 3 - Booklet B:** Basic Facts in Grades k-3

- Addition and Subtraction: Basic Facts
- Multiplication and Division Facts and Properties

#### **Grade 3 - Booklet C:** Computation with Whole Numbers

- Two-digit addition and subtraction
- Addition and Subtraction of greater numbers

#### **Grade 3 - Booklet D:** Measurement, Geometry, Data Analysis, and Probability

- Time and Temperature
- Length, Capacity, Weight, Area, and volume
- Geometry

- Data and Probability

### Grade 3 - Booklet E: Problem Solving

- Problem solving skills
- Problem Solving Strategies
- Reasoning and communication

### **Group B (Middle)**

#### Grade 4-6 – Booklet F: Numeration, Patterns and Relationships

- Whole-Number Place Value, Comparing and Ordering
- Integers and Rational Numbers
- Patterns, Tables, and Graphs
- Expressions and Equations

#### Grade 4-6 - Booklet G: Operations with Whole Numbers

- Addition and Subtraction
- Multiplication and Division Facts
- Multiplying and dividing by one-digit numbers
- Multiplying and Dividing by greater numbers

#### Grade 4-6 – Booklet H: Fractions, Decimals and Percents

- Understanding Fractions and Decimals
- Operations with Fractions and Mixed Numbers
- Operations with Decimals
- Ratios and Percents

#### Grade 4-6 – Booklet I: Measurement, Geometry, Data Analysis and Probability

- Geometry
- Measurement Units
- Perimeter, Area, Volume, Surface Area
- Statistics and Graphs
- Prediction and Probability

### **Group C (High)**

#### Grade 4-6 – Booklet F: Numeration, Patterns and Relationships

- Whole-Number Place Value, Comparing and Ordering
- Integers and Rational Numbers
- Patterns, Tables, and Graphs
- Expressions and Equations

#### Grade 4-6 - Booklet G: Operations with Whole Numbers

- Addition and Subtraction
- Multiplication and Division Facts
- Multiplying and dividing by one-digit numbers
- Multiplying and Dividing by greater numbers

#### Grade 4-6 – Booklet H: Fractions, Decimals and Percents

- Understanding Fractions and Decimals
- Operations with Fractions and Mixed Numbers
- Operations with Decimals

- Ratios and Percents

Grade 4-6 – Booklet I: Measurement, Geometry, Data Analysis and Probability

- Geometry
- Measurement Units
- Perimeter, Area, Volume, Surface Area
- Statistics and Graphs
- Predication and Probability

