

## **Sixth Grade Math U See - Zeta**

### **Box 1: Class Description**

This year-long course covers the sixth grade math content noted below. Weekly certificated contact will be completed through direct personal contact with an HQ/certificated teacher in an on-site HC class. At least one state standard will be covered in this course.

### **Box 2: Learning Materials**

The curriculum, books, supplies, materials, web-sites, and other sources used for this course are the Sixth Grade Math U See Math Program – Zeta.

(Make additions as you see fit.)

### **Box 3: Learning Goals/Performance Objectives**

The schedule of month-by month learning goals below, will likely not be exactly adhered to by the student. The schedule is approximate. Monthly coverage of these goals will vary according to the student's strengths and interests. The clear goal, however, is coverage of all of the goals below, by the end of the school year.

Level 7 ZETA There are 30 lessons included, with specific lessons and content noted below. We will complete lessons as follows:

SEPTEMBER: LESSON 1 Exponents; Word Problem Tips LESSON 2 Place Value LESSON 3 Decimal Numbers with Expanded Notation

OCTOBER: LESSON 4 Add Decimal Numbers LESSON 5 Subtract Decimal Numbers LESSON 6 Metric System Origin–Meter, Liter, Gram LESSON 7 Metric System–Latin Prefixes

NOVEMBER: LESSON 8 Metric System Conversion–Part 1 LESSON 9 Multiply by  $\frac{1}{10}$  or .1 LESSON 10 Multiply Decimals by  $\frac{1}{100}$  or .01

DECEMBER: LESSON 11 Finding a Percent of a Number LESSON 12 Finding a Percent  $>$  100%; Word Problems LESSON 13 Reading Percents in a Pie Graph

JANUARY: LESSON 14 Multiply All Decimals LESSON 15 Metric System Conversions – Part 2 LESSON 16 Computing Area and Circumference

FEBRUARY: LESSON 17 Dividing a Decimal by a Whole Number LESSON 18 Dividing a Whole Number by a Decimal LESSON 19 Solving for an Unknown

MARCH: LESSON 20 Dividing Decimal by a Decimal LESSON 21 Decimal Remainders LESSON 22 More Solving for an Unknown

APRIL: LESSON 23 Transform Any Fraction LESSON 24 Decimals as Rational Numbers LESSON 25 Mean, Median, and Mode

MAY: LESSON 26 Probability LESSON 27 Points, Lines, Rays, and Line Segments LESSON 28 Planes and Symbols

JUNE: LESSON 29 Angles LESSON 30 Types of Angles

#### **Box 4: Learning Activities**

Each day the student will complete a math lesson. They will have a new lesson/concept/learning explained, demonstrated/taught. They'll complete practice problems to ensure understanding of content. They will have independent practice/homework over those concepts. They will re-do and correct any which they missed. When review is needed, we'll not learn a new concept but take the time needed to re-teach or reinforce needed concepts.

**(Make additions or deletions as you see fit.)**

#### **Box 5: Progress Criteria/ Methods of Evaluation**

Student monthly progress evaluation is made on the basis of weekly certificated contact, work samples, communications with students, communications with parents, and performance in on-site classes. It is electronically communicated to parents via WINGS. It is our goal that the student will accomplish approximately 10% of the goals of this course each month, September through June. The level of mastery expected is 70% or higher to progress. Methods of evaluation will include but are not limited to those below, under the direction of an HQ teacher:

- \* observation and/or correction of daily and/or weekly work and progress
- \* daily or weekly discussion of assignments, readings, writings
- \* correction of work done incorrectly
- \* portfolio kept of student work, at least weekly

**(Make additions or deletions as you see fit, to asterisks.)**

#### **Box 6: Weekly Hours**

**Please estimate the number of hours your student will work on this course.**