Course Title: Math 6/5

Teacher Contact Information:

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- The best time to reach me is: Monday, Wednesday and Friday 9-3

In case of an emergency please feel free to text me at anytime and I will get back to you as soon as I can

Course Overview:

- This course is an introduction to numbers and fundamental math concepts that will help develop a good foundation for upper math.

Supplies lists are provided on the TRA Website.

Goals:

"The power of yet! I can't do this….yet! I'm not good at this……yet! I don't understand this….yet! It doesn't work….yet! This doesn't make sense….yet!"

Math is a journey**.** My **heart** is for students to grab a hold of each math topic we learn, in the manner that they best learn. Visual tools, problem solving techniques and simply thinking outside of the box can be the difference between a child struggling with math forever or knowing that there is a way for them to make sense of the concept. **We will get there!**

The Successful Student:

- Is polite and have good manners at all times! (See the Code of Conduct)
- Keeps current with all assignments.
- Does all of their own work with honesty and integrity
- Asks questions and ask for help when they need it.
- Is ALWAYS be prepared for class, that includes course material, paper, and writing utensils.

The Successful Parent:

- Be aware of the current assignments for their students.
- Oversee the work at home making sure that students complete the assignments.
- Provide the materials the students need to be successful in this class.
- Proctor the Take-Home Tests, signing and sealing them to be returned to class
- Contact the teacher if there are any problems ASAP
- Check grades every week to see how their child is doing! This is IMPERATIVE. I do not put grades on student's work; I post them to this site with notes, if needed.

Homework Policy:

Take the homework seriously. Homework is used as a tool to sharpen the skills that you have learned during the week and constantly reminding you of the skills you will need to use as building blocks for new mathematical concepts.

- Your homework is expected to be submitted on time.
- Homework will NOT be accepted more than 2 weeks late.
- If unforeseen circumstances are communicated between the teacher and parents and makeup work will be coordinated accordingly.

Week-by-Week Overview

Semester I	Semester II
Week 1 Sequences, digits, even & odd #'s, using money to illustrate place value	**Week 19** Perimeter, measures of a circle, div by mult of 10, multi by 3 digit #'s
Week 2 Comparing whole #'s, naming whole #'s with hundreds, dollars and cents, adding one digit numbers, using addition algorithm	**Week 20** Mult by 3 digital #'s incl zero, simple probability, writing quotients as mixed numbers
Week 3 In class Writing & comparing #'s through hundred thousand, ordinal #'s, subtraction facts, fact families, practicing the subtraction algorithm	**Week 21** Fractions equal to 1, sub a fraction from 1, finding a fraction to complete a whole, using letters to identify geometric figures
Week 4 Take home missing addends, story problems, lines, # lines, tally marks	**Week 22** Estimating arithmetic answers, sub a fraction from a whole # greater than 1, using money to model decimal #'s
Week 5 Multiplication as repeated addition, add/subtract dollars and cents	**Week 23** Decimal parts of a meter, reading a centimeter scale, writing in tenths and hundredths as decimal #'s
Week 6 Missing numbers in subtraction, making a multiplication table, story problems about separating	**Week 24** Naming decimal #'s, fractions of a second, comparing and ordering decimal #'s, writing equiv decimal #'s writing cents correctly
Week 7 Mult by one-digit #'s, multiplying three factors, missing #'s in mult, division facts	**Week 25** Fractions, decimals, percents, area part 1, add/sub decimal #'s

Week 8 Three ways to show division, problems about equal groups, divisibility, 1-digit division with remaind	**Week 26** Converting units of length, Changing Improper fractions to whole or mixed numbers, Multiplying fractions
Week 9 Recognizing halves, parentheses, associative property, listing the factors of the whole number	**Week 27** Converting units of weight and mass, exponents and powers, Finding equivalent fractions by multiplying by 1
Week 10 Division algorithm, reading scales, measuring time	**Week 28** Prime and compost #'s, reducing fractions part 1, GCF
Week 11 Multiplying by multiples of 10 &100, interpreting pictures of fractions and percents, pairs of lines	**Week 29** Properties of geometric solids, mean median, mode, range, converting units of capacity
Week 12 Angles, polygons, rounding #'s using a # line, division with zeros in the quotient	**Week 30** Mult fractions and whole #'s, using manipulatives and sketches to divide fractions, finding a square root
Week 13 Problems about comparing, elapsed time problems, classifying triangles, drawing pictures of fractions	**Week 31** Reducing fraction part 2, simplifying improper fractions, div by 2-digit #'s
Week 14 Review of numerical and algebraical expressions, conditional equations, statements, equivalent equations, additive property of equality, multiplicative property of equality	**Week 32** Cooperative bar graphs, using estimation when dividing by 2-digit #, reciprocal
Week 15 Add/sub fractions with common denominators, short division, divisibility of 3,6,9	**Week 33** Using reciprocals to divide fractions, simplifying decimal #'s, ratios, negative #'s
Week 16 Mixed #'s, whole #'s, fractions, adding and subtracting, measuring lengths with a ruler, classifying quadrilaterals, stories about a fraction of a group	**Week 34** Add/sub whole #'s and decimal #'s, simplifying decimal #'s, rounding mixed #'s to the nearest whole #, subtracting decimal #'s using zero
Week 17 Simplifying mixed measures, reading/writing whole numbers in expanded notation, solving two-step word problems.	**Week 35** Volume, rounding decimal #'s to the nearest whole #, reading and ordering decimal #'s through ten-thousandths

Week 18 Finding an average, multiplying by 2-digit #'s, naming #'s through hundred billion	Week 36 Using percent to name a part of a group, mult decimal #'s, mult decimal #'s; using zeros as a placeholder

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