



# COURSE OVERVIEW

**Course Title:** Math 7/8 2022-2023

**Teacher:** Mrs. Batista

## Contact Information:

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The best time to reach me is: Monday-Thursday 9-4 Friday 9-12

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

## Course Overview

Preparing a solid foundation for upper mathematical concepts that the students will learn in High School.

## Goals

“You can’t build a great building on a weak foundation.” Gordon B. Hinckley

My goal is to teach math in a way that will allow you to build on top of each concept that you master this year.

## Week-by-Week Overview

### Semester I

### Semester II

<b>Week 1</b> – Adding and subtracting whole #'s, properties of operation, missing #'s in add & sub	<b>Week 19</b> – Multiplying rates, ration word problems, average part 2
<b>Week 2</b> – Number line, place value, whole #'s, factors and divisibility.	<b>Week 20</b> –TEST- subtracting mixed measures, negative exponents, scientific notation for small numbers, line symmetry; functions part 1
<b>Week 3</b> – Lines and angles, fractions and %, fraction and reciprocal	<b>Week 21</b> – adding integers on a number line, fractional part of a number part 1, % of a number part 1, area of a parallelogram, angles of a parallelogram
<b>Week 4</b> – TEST-mixed numbers; improper fractions; problems about combining and separating, comparing; elapsed time	<b>Week 22</b> – QUIZ-classifying triangles, symbols of inclusions, adding signed numbers
<b>Week 5</b> – Review for Test-equal groups, parts of a whole, equivalent fractions, reducing fraction part 1	<b>Week 23</b> –TEST- ration problems w/ totals, circumference and Pi, geometric solids
<b>Week 6</b> –TEST- using a protractor, polygons; similar and congruent	<b>Week 24</b> – algebraic functions, more on scientific notation, volume, finding the whole if a fraction is known
<b>Week 7</b> – TEST-perimeter, exponents, area, square roots, prime & composite numbers, prime factorization	<b>Week 25</b> – TEST- Implied ratios, multiplying and dividing signed numbers
<b>Week 8</b> – fraction of a group problems, subtracting mixed numbers with regrouping, reducing fractions part 2	<b>Week 26</b> – fractional part of a number part 2, area of a complex figure; area of a trapezoid, complex fractions
<b>Week 9</b> – dividing fractions, must and div mixed #'s, multiples LCM	<b>Week 27</b> – TEST-percent of a # part 2, graphing inequalities, insufficient info; quantitative comparisons
<b>Week 10</b> – 2-step word problems, rounding and estimation, common denominator, add and sub fractions	<b>Week 28</b> – transformations, using proportions to solve percent problems, area of a circle

<b>Week 11</b> – TEST-reading & writing decimal #'s, metric system, comparing decimals, rounding decimals	<b>Week 29</b> – QUIZ- mult powers of 10; scientific notation, algebraic terms, order of operations
<b>Week 12</b> – TEST-decimal #'s and # line, add sub multi div decimal numbers,	<b>Week 30</b> – TEST-number families, multiplying algebraic terms, multiple unit multipliers; converting units of area
<b>Week 13</b> – ratio; simple probability, area of a triangle, interpreting graphs, proportions	<b>Week 31</b> – TEST-diagonals; interior angles; exterior angles; mixed number coefficients negative coefficients
<b>Week 14</b> –TEST- sum of all angles, measures of a triangle, angle pairs, using formulas; distributive property, repeating decimals	<b>Week 32</b> – evaluations w/ signed numbers (91 & 92), two-step equations and inequalities, compound probability
<b>Week 15</b> – Converting decimals, percents fractions	<b>Week 33</b> – volume of a right solid, distributive property, similar triangles; indirect measurements
<b>Week 16</b> – division answers, dividing by a decimal #, unit price; rates; sales tax	<b>Week 34</b> – scale and scale factor, pythagorean Theorem, Pythagorean theorem worksheet
<b>Week 17</b> – powers of 10, fraction-decimal percent equivalents, adding mixed measures	<b>Week 35</b> – Building equations, slope, graphing lines worksheet
<b>Week 18</b> – Unit multipliers and unit conversions, scientific notation for large #'s, Order of operation	<b>Week 36</b> –TEST- graphing lines worksheet 2, equation, pythagorean theorem and graphing lines worksheet.

### Supplies Needed for this Course

Saxon 7/8 Textbook and workbook

Graph paper, protractor, dividers, 1 1/2 inch binder, ruler, 2 packs of Sticky notes, index cards

### The Classroom:

In order to be successful in the classroom I expect all of us to respect each other by allowing others to speak without interruption and participating in class in a way that is not distracting to others. Let's have fun while we are learning.

### At Home:

Keeping up with the homework each day it is assigned will help you retain information better. Do not cram all of the weeks work, the night before class. Our sticky notes will help you mark down any problems you encounter in the homework that week in order for us to review. Your notes and graded homework will be an excellent tool for you to look over before class, a quiz or test.

**How to Get an 'A' in this Class:**

Test 30%, Homework 30%, Quiz 20%, Participation 15%, Quiz 15%

**Extra Credit:**

There will be an opportunity for an extra credit assignment once a month.

**Absence and Late Work Policies**

See your Partnership Agreement for these policies. I WILL NOT accept any homework that is over 2 class periods late unless it has been worked out prior with me. There are no exceptions to this rule! You must text, email or speak to me to work out a new assignment date for sickness, vacations or any other reasons for missing class.

**Expectations****You may expect the Teacher to:**

- Be prepared, on time and fair in the classroom.
- Respond to phone or email messages within 24 hours.
- Be available for conferences or discussions per appointment.
- Work hard to see every student succeed.
- Be available by text or email to answer questions or concerns.

**I will expect the Parents to:**

- 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. You will need to check this often to make sure your child is getting good grades and to communicate with me.

**I will expect the Student to:**

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