

## **Course Title: Saxon Math 6/5**

**Teacher: Mrs. Rynne Graham**

### **Contact Information**

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### **Materials Supplies Needed for these Courses:**

Students MUST have the following:

- Textbooks and Solutions Manual
- 3-ring Binder (1.5 “ or 2”)
- 3 Tab Dividers Labeled: 1) Notes/Handouts 2) Homework 3) Tests/Quizzes
- Notebook Paper, Pencils
- Straight Edge (ruler or protractor)
- NO Calculators are permitted

### **My Goals are that each student would:**

- become critical thinkers and competent problem solvers
- hone their math skills and build confidence
- see the beauty and precision of our Designer in the complexities of the math

### **What you can expect of the Teacher:**

- I will be professional, prepared, and on time.
- I will be available to you, the parent, so that our partnership will be successful.
- I will be attentive to each student and seek to develop their unique perspective as it pertains to problem solving as well as challenge them to achieve beyond what they have ever thought possible.

### **What I expect of Parents:**

#### **I need Parents to:**

- assist students in keeping up with the syllabus so that the work is turned in on time every week
- grade the daily homework and mark the numbers wrong across the top of the page
- check **PRAXI** AT LEAST once per week and review your child's progress
- provide the necessary assistance when a student struggles (suggestions would be: 1. Help them with homework; 2. Bring them to Math Lab; 3. Hire a private tutor if necessary)
- occasionally proctor tests, online tests, and quizzes (This means making sure that they take these assessments with integrity and NO outside assistance.)



ACADEMY

## Middle School Math Course Overview

### What I expect of Students:

#### Students will:

- complete the weekly lessons and turn them in on time
- ask questions and participate actively in class—PLEASE contact me if you need help!
- come to Math Lab when extra assistance is necessary
- not associate their worth with a letter grade Self-esteem should NOT be tied to letter grades. Studying math can be a great experience in tackling a challenge, learning perseverance, and maintaining a great attitude. All of these are terrific benefits regardless of individual letter grades on assignments and assessments. As a strong work ethic is applied skill --level WILL go up.
- Check PRAXI for your grade regularly.

### Grading:

Grades are given to a variety of assessments, tasks, and projects. ONE low grade will NOT sink your academic ship—so don't lose heart if you get a poor grade on an assessment. It is important that students do well on tests and independently master the concepts.

Grades are weighted as follows:

- **75% Tests and Quizzes**
- **20% Homework** (5 points per assignment)
- **5% Notebook**

**EXTRA CREDIT is NOT always offered. Students who do not follow the directions for homework will NOT be given an opportunity for extra credit.**

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

- Turn your completed and graded homework in ON TIME!
- Keep a great notebook.
- Show your work (where applicable) and work toward developing the processes necessary to do upper math.
- Work consistently every day. Do not make it a habit to let your homework pile up or do it all in one day.
- Get help when you need it.

### Absences:

The TRA Policy is to give students one extra class period to turn in work due to an EXCUSED absence. If you should need more time to get caught up, it is up to the parent to contact the teacher and work out additional due dates. **Assignments that are 2 weeks past the original due date are given zeros.**

Unexcused absences include, but are not limited to: sleeping in and not contacting the school in advance in writing for a planned absence. (There is a Planned Absence Form that MUST be filled out in advance.) **You can lose your seat in the class if you miss more than 4 classes.**

### TESTS

Some tests are proctored at home and some are given online or in class.

**Students in Guided Study or Study Hall MAY be able to test if there is a suitable environment and a proctor available.**

- Occasionally, the lowest test of a semester **MAY be dropped**, but tests that were given a zero because they were not turned in **will NOT be dropped**.
- Cheating is grounds for dismissal from the class and/or school. Students are not to receive any outside assistance during a test.

## Middle School Math Course Overview

| Course: Math 6/5 Week-by-Week * |  |           |   |
|---------------------------------|--|-----------|---|
| Semester I                      |  |           | Semester II   |
| <b>1</b>                        | <b>Lessons 1-4</b> (Sequences, Digits, Eve/Odd, Money/Place Value, Whole Numbers)                                      | <b>19</b> | <b>Lessons 61-63</b> (ID Geometric Figures, Estimating, Subtracting Fractions )   |
| <b>2</b>                        | <b>Lessons 5-8</b> (Hundreds Place, Money, Adding 1-Digit Numbers, Ordinal Numbers, Subtraction Facts)                 | <b>20</b> | <b>Lessons 64-67</b> (using Money to Model, Decimal Parts, Centimeter Scales, Tenths & Hundredths as Decimals)          |
| <b>3</b>                        | <b>Lessons 9-11</b> <b>TEST 1</b> (Subtraction, Missing Addends, Story Problems/Combine)                               | <b>21</b> | <b>Lessons 68-70</b> <b>TEST 13</b> (Naming Decimal Numbers, Seconds, Ordering Decimals, Cents)                         |
| <b>4</b>                        | <b>Lessons 12-15</b> (Lines, Tally Marks, Multiplication, Subtraction, Mult Table)                                     | <b>22</b> | <b>Lessons 71-74</b> (Fractions, Decimals, Percents, Area, Add/Sub Decimal Numbers, Length)                             |
| <b>5</b>                        | <b>Lessons 16-18</b> <b>TEST 2</b> (Story Problems, Mult by 1-digit Numbers, Mult 3 Factors)                           | <b>23</b> | <b>Lessons 75-77</b> <b>TEST 14</b> (Improper Fractions, Mult Fractions, Converting Units, Weight/Mass)                 |
| <b>6</b>                        | <b>Lessons 19-22</b> (Division Facts, Div 3 Ways, Equal Groups, Remainders)  | <b>24</b> | <b>Lessons 78-81</b> (Exponents/Powers, Equivalent Fractions, Prime/Composite, Reducing Fraction)                       |
| <b>7</b>                        | <b>Lessons 23-25</b> <b>TEST 4</b> (Recognizing Halves, Associative Prop, Factors)                                     | <b>25</b> | <b>Lessons 82-84</b> (Domain & Range, Evaluating Functions, Coins, Radicals)  |
| <b>8</b>                        | <b>Lessons 26-29</b> (Division, Scales, Time, Multiples of 10 and 100)   | <b>26</b> | <b>Lessons 85-88</b> <b>TEST 16</b> (Converting Units, Mult Fractions & Whole Numbers, Transformations)                 |
| <b>9</b>                        | <b>Lessons 30-32</b> <b>TEST 5</b> (Pix of Fractions & Percents, Pairs of Lines, Angles, Polygons)                     | <b>27</b> | <b>Lessons 89-90</b> (Square Root, Reducing Fractions)  |
| <b>10</b>                       | <b>Lessons 33-36</b> (Rounding, Div w/ Zeros, Elapsed Time, Classifying Triangles)                                     | <b>28</b> | <b>Lessons 91-94</b> (Improper Fractions, Dividing by 2-Digits, Bar Graphs, Estimation in Division)                     |
| <b>11</b>                       | <b>Lessons 37-39</b> <b>TEST 6</b> (Pix of Fractions, Mixed Numbers, Compare Fractions)                                | <b>29</b> | <b>Lessons 95-97</b> (Reciprocals, Ratios)  |
| <b>12</b>                       | <b>Lessons 40-43</b> (Writing Quotients as Mixed Numbers, Add/Sub Fractions, Short Division, Whole Numbers, Fractions) | <b>30</b> | <b>Lessons 98-100</b> <b>TEST 19</b> (Negative Numbers, Add/Sub Whole and Decimal Numbers, Simplifying Decimal Numbers) |
| <b>13</b>                       | <b>Lessons 44-46</b> <b>TEST 8</b> (Lengths w/ Ruler, Quadrilaterals, Stories/Fractions as Group)                      | <b>31</b> | <b>Lessons 101-104</b> (Rounding Mixed Numb, Subtracting Decimal Numbers, Volume, )                                     |
| <b>14</b>                       | <b>Lessons 47-49</b> (Simplifying Mixed Measures, Expanded Notation, Word Probs)                                       | <b>32</b> | <b>Lessons 105-107</b> <b>TEST 20</b> (Symmetry, Ordering Decimal Numbers –Ten-Thousandths, Percent,)                   |
| <b>15</b>                       | <b>Lessons 50-53</b> (Average, Mult 2-Digit Numbers, Hundred Billions, Perimeter, Circles)                             | <b>33</b> | <b>Lessons 108-111</b> (Schedules, Mult Decimal Numbers, Zeros as Placeholders, Multiplying by 10, 100, and 1,000)      |
| <b>16</b>                       | <b>Lessons 54-56</b> <b>TEST 10</b> (Dividing by Mult of 10, Multby 3-Digit Numbers, Including Zero)                   | <b>34</b> | <b>Lessons 112-114</b> <b>TEST 21</b> (LCM, Mixed Numbers as Improper Fractions, No Solution, Many Solutions)           |
| <b>17</b>                       | <b>Lessons 57-59</b> (Probability, Quotients & Mixed Numbers, Fractions = to ONE, Subtracting Fractions)               | <b>35</b> | <b>Lessons 115-118</b> (Area, Common Denominators, Dividing by Decimals, Dividing by 10, 100, 1,000)                    |
| <b>18</b>                       | <b>Lesson 60</b> <b>TEST 11</b> (Finding a Fraction to Complete the Whole)   | <b>36</b> | <b>Lessons 119-120</b> <b>TEST 23</b> (Dividing by Decimals, Multiplying by Mixed Numbers)                              |

*These plans are a guideline and may be altered throughout the year. Circumstances such as hurricanes or other events may require that this schedule be updated.*

Students are given specific weekly assignment sheets with all the details necessary to complete the assignments. Assignment sheets can also be accessed through PRAXI.