

# Kolbe Academy Home School

## GRADE SIX MATHEMATICS *Saxon Math 7/6*

### TABLE OF CONTENTS

I. Syllabus	2
II. Daily Course Plan	
A. Quarter	4
B. Quarter	13
C. Quarter	22
D. Quarter	31
III. Quarterly Exams	
A. Quarter 1	
B. Quarter 2	
C. Quarter 3	
D. Quarter 4	
IV. Quarterly Exam Answer Keys	
A. Quarter 1 Answer Key	
B. Quarter 2 Answer Key	
C. Quarter 3 Answer Key	
D. Quarter 4 Answer Key	

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**COURSE TITLE:** Mathematics

**COURSE TEXTS:** *Saxon Math 7/6 Home Study Kit, Fourth Edition, 2005, (T4076)*

**COURSE DESCRIPTION:**

This course moves the student from arithmetic to foundational treatments of "geometry, measurement, algebra, number, and scale and graph reading." Word problems are also included.

Be sure to read the introduction that Saxon provides at the beginning of their books. Each lesson should begin with a warm-up exercise with the Facts Practice Test as described in the introduction of *Saxon Math 7/6*. Each test provided by *Saxon Math 7/6* is cumulative such that an entire week of review is not necessary for the quarterly exams. Quarterly exams are a compilation from the weekly tests given in that particular quarter.

Care should be taken to make sure that students complete all the problems, as well as all the supplemental work in any trouble area. Supplemental material is provided at the back of *Saxon Math 7/6* for selected lessons. This material is strictly optional.

**COURSE OBJECTIVES**

- |   |   |
|---|---|
| 1. Addition, subtraction, multiplication and division | 17. Common Denominators                       |
| 2. Parentheses  | 18. Polygons                                  |
| 3. Fractional parts                                   | 19. Composite numbers and prime factorization |
| 4. Linear Measure                                     | 20. Lines                                     |
| 5. Perimeter  | 21. Cancel                                    |
| 6. Comparing and sequences                            | 22. Percent                                   |
| 7. Reading scales and graphs                          | 23. Exponents                                 |
| 8. Place value  | 24. Volume                                    |
| 9. Negative numbers                                   | 25. Ratio                                     |
| 10. Average   | 26. Angles                                    |
| 11. Factors   | 27. Unit canceling                            |
| 12. Greatest Common Factor                            | 28. Pi  |
| 13. Fractions   | 29. Adding integers                           |
| 14. Reciprocals                                       | 30. Unit conversion                           |
| 15. Area  | 31. Divisibility                              |
| 16. Decimals  |   |

**SCOPE AND SEQUENCE:**

- ❖ Quarter 1: Lessons 1-30
- ❖ Quarter 2: Lessons 31-60
- ❖ Quarter 3: Lessons 61-90
- ❖ Quarter 4: Lessons 91-120

**SKILLS TO BE DEVELOPED:**

- ❖ Develop basic computational skills
- ❖ Develop problem solving skills
- ❖ Understand and use skills in estimating, interpreting and organizing data: measuring and predicting.
- ❖ Able to apply mathematical ideas to everyday situations.

**COURSE PLAN METHODOLOGY:**

Kolbe Academy has worked diligently to create the best possible course plans with the home schooling family in mind. Remember, however, that our program is intended to be flexible. Per the principle of subsidiarity, these course plans are a **suggested** course of study. As the teacher, you should adapt and modify them to meet the individual learning needs of your child. **Do not feel obligated to follow these course plans exactly.**

In the course plans that follow, *Saxon Mathematics 7/6* student textbook is represented by the abbreviation **SAX**. The *Saxon Mathematics 7/6* Tests and Worksheet booklet is represented by the abbreviation **WORK**. Each weekly assignment is summarized in the first rows of the week's daily course plan along with the goals and notes for that week. The specific daily assignments for the student are outlined in the following lines indicated by the **DAY 1, DAY 2, DAY 3, DAY 4, and DAY 5** abbreviations. Parent daily guidelines are given to the right of the student assignments. The quarterly schedule is set up such that one lesson, investigation or test can be done on a five-day schedule. Although most of Kolbe Academy Home School course plans are set up for a four-day week, the mathematics courses at this level do benefit from a five-day week schedule. This can be altered if the student would like to double up on an assignment or test on the final day of their week. A family's schedule can and should vary as needed.

This mathematics course contains 36 weeks broken into four 9-week quarters. Week 8 is a lighter week, and usually includes a few days for review. You should use the review days as time to catch up if necessary and then go over the subject matter. **If you intend to use the tests provided, look them over *before* teaching the subjects and make sure you review the material in the tests throughout the quarter.** Some children have a difficult time doing written exams, but it is important for them to learn how to take them.

Finally, begin every class with a prayer. This is a good way to help the child memorize new prayers. Repeat the same ones every day until they are known. Be sure to explain the meanings of the prayers. Repetition in all areas of study is most beneficial.

◆◆◆ FIRST QUARTER ◆◆◆

WEEK 1				
Book	Weekly Breakdown	Goals and Notes for the Week		
SAX	Lessons 1 - 5	The Facts Practice Sheets should be used as a warm-up for each Lesson assigned. An overall grade for these worksheets should be given for the week. Students will cover adding, subtracting, multiplying, and dividing whole numbers and money, missing numbers in addition, subtraction, multiplication, and division, and order of operations.		
WORK	Pages 13 - 17			
<div style="border: 1px solid black; padding: 5px; display: inline-block;">Notes</div>				
Student Daily Assignments		<input checked="" type="checkbox"/>	Parent Daily Guidelines	
DAY 1	Do WORK Page 13	<input type="checkbox"/>	Have the student warm up for Lesson 1 with the Facts Practice Test A in WORK. Go over Lesson 1 with the student and do the Practice Set with the student. Assign the Mixed Practice to the student.	
	Do SAX Lesson 1	<input type="checkbox"/>		
DAY 2	Do WORK Page 14	<input type="checkbox"/>	Have the student warm up for Lesson 2 with the Facts Practice Test A in WORK. Go over Lesson 2 with the student and do the Practice Set with the student. Assign the Mixed Practice to the student.	
	Do SAX Lesson 2	<input type="checkbox"/>		
DAY 3	Do WORK Page 15	<input type="checkbox"/>	Have the student warm up for Lesson 3 with the Facts Practice Test A in WORK. Go over Lesson 3 with the student and do the Practice Set with the student. Assign the Mixed Practice to the student.	
	Do SAX Lesson 3	<input type="checkbox"/>		
DAY 4	Do WORK Page 16	<input type="checkbox"/>	Have the student warm up for Lesson 4 with the Facts Practice Test B in WORK. Go over Lesson 4 with the student and do the Practice Set with the student. Assign the Mixed Practice to the student.	
	DO SAX Lesson 4	<input type="checkbox"/>		
DAY 5	Do WORK Page 17	<input type="checkbox"/>	Have the student warm up for Lesson 5 with the Facts Practice Test B in WORK. Go over Lesson 5 with the student and do the Practice Set with the student. Assign the Mixed Practice to the student.	
	DO SAX Lesson 5	<input type="checkbox"/>		
Week 1 Grade Book				
Assignments	Include <input checked="" type="checkbox"/>	(A) Points Earned	(B) Possible Points	A/B x100 =% (C)
Lesson 1	<input type="checkbox"/>			
Lesson 2	<input type="checkbox"/>			
Lesson 3	<input type="checkbox"/>			
Lesson 4	<input type="checkbox"/>			
Lesson 5	<input type="checkbox"/>			
Facts Practice Sheets	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
<b>Week 1 Average</b>	<b>Add up column C &amp; divide by number of included <input checked="" type="checkbox"/> assignments =</b>			<b>%</b>

◆ COURSE PLAN ◆

WEEK 2				
Book	Weekly Breakdown	Goals and Notes for the Week		
SAX	Lessons 6 - 10	Students will cover fractional parts, lines, segments, rays, linear measure, perimeter, using the number line to order and compare, sequences, and scales.		
WORK	Pages 18 - 22			
Notes				
Student Daily Assignments		<input checked="" type="checkbox"/>	Parent Daily Guidelines	
DAY 1	Do WORK Page 18	<input type="checkbox"/>	Have the student warm up for Lesson 6 with the Facts Practice Test C in WORK. Go over Lesson 6 with the student and do the Practice Set with the student. Assign the Mixed Practice to the student.	
	Do SAX Lesson 6	<input type="checkbox"/>		
DAY 2	Do WORK Page 19	<input type="checkbox"/>	Have the student warm up for Lesson 7 with the Facts Practice Test C in WORK. Go over Lesson 7 with the student and do the Practice Set with the student. Assign the Mixed Practice to the student.	
	Do SAX Lesson 7	<input type="checkbox"/>		
DAY 3	Do WORK Page 20	<input type="checkbox"/>	Have the student warm up for Lesson 8 with the Facts Practice Test A on page 35 in WORK. Go over Lesson 8 with the student and do the Practice Set with the student. Assign the Mixed Practice to the student.	
	Do SAX Lesson 8	<input type="checkbox"/>		
DAY 4	Do WORK Page 21	<input type="checkbox"/>	Have the student warm up for Lesson 9 with the Facts Practice Test C on page 36 in WORK. Go over Lesson 9 with the student and do the Practice Set with the student. Assign the Mixed Practice to the student.	
	DO SAX Lesson 9	<input type="checkbox"/>		
DAY 5	Do WORK Page 22	<input type="checkbox"/>	Have the student warm up for Lesson 10 with the Facts Practice Test C in WORK. Go over Lesson 10 with the student and do the Practice Set with the student. Assign the Mixed Practice to the student.	
	DO SAX Lesson 10	<input type="checkbox"/>		
Week 2 Grade Book				
Assignments	Include <input checked="" type="checkbox"/>	(A) Points Earned	(B) Possible Points	A/B x100 =% (C)
Lesson 6	<input type="checkbox"/>			
Lesson 7	<input type="checkbox"/>			
Lesson 8	<input type="checkbox"/>			
Lesson 9	<input type="checkbox"/>			
Lesson 10	<input type="checkbox"/>			
Facts Practice Sheets	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
<b>Week 2 Average</b>	<b>Add up column C &amp; divide by number of included <input checked="" type="checkbox"/> assignments =</b>			<b>%</b>