

Kolbe Academy Home School

GRADE FOUR MATHEMATICS *Saxon Math 5/4*

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COURSE TITLE: Mathematics

COURSE TEXT: *Saxon Math 5/4*, Third Edition, 2004, (T4054)

COURSE DESCRIPTION:

This course introduces to the student a program of "foundational" elements upon which the successful mathematical equations are worked out. This program contains a thorough review of addition, subtraction, and single digit multiplication and division. The subsequent arithmetic content includes number concepts, estimation functions, two- and three-digit computations, decimals and fractions. The basic skills of algebra and geometry are introduced.

Continual and incremental practice with word problems, measurement, scale, and graph reading, as well as arithmetic, provides the opportunity for students to learn and remember the foundational skills and concepts of mathematics.

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 5/4*. Each test provided by *Saxon Math 5/4* is cumulative such that an entire week of review is not necessary for the quarterly exams. Quarterly exams should be 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 5/4* for selected lessons. This material is strictly optional.

COURSE OBJECTIVES:

- ❖ To understand and use math skills in estimating and interpreting data; and organizing, measuring, and predicting.
- ❖ To assist the student to be able to apply math ideas to ordinary, everyday problems.
- ❖ To translate word problems into numbers and find the answers.

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:

- ❖ Development of mental math skills.
- ❖ Preparation for solving problems easily and accurately.

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 5/4* student textbook is represented by the abbreviation **SAX**. The *Saxon Mathematics 5/4* 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.

A weekly grade book is included at the end of the week's course plan *as a convenience*. Parents should use the grade book only as a help to their homeschooling and not as a hindrance. It includes a cumulative list of written assignments from the week's course plan as well as space for additional assignments, if needed. **Kolbe Academy does not require that you keep record of all student work.** If you intend to report your student's work to Kolbe Academy for an official record, only one sample of written and graded work is required per quarter per course along with the signed and filled out report card. The weighting suggestion in the end of quarter grade book is there for *convenience* and may be modified as the parent deems fit. Please consult the welcome packet for a full tutorial on using the grade book.

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. If your fourth grader does poorly on them, give them to him orally a couple of days after he has taken them and average the grades.

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 a review of addition, addition stories, missing addends, sequences, digits, place value, ordinal numbers, and months of the year.
WORK	Pages 13-29	

Notes

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 on page 13 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 on page 14 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 on page 15 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 A on page 16 in WORK. Use the Activity Sheets 1-6 in WORK pages 17-27 with Lesson 4 if desired. 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 29	<input type="checkbox"/>	Have the student warm up for Lesson 5 with the Facts Practice Test A on page 29 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"/>			

Week 1 Average	Add up column C & divide by number of included <input checked="" type="checkbox"/> assignments =	%
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◆ COURSE PLAN ◆

WEEK 2				
Book	Weekly Breakdown	Goals and Notes for the Week		
SAX	Lessons 6-10	Students will cover a review of subtraction, addition and subtraction fact families, writing numbers through 999, adding money, adding with regrouping, even numbers, and odd numbers.		
WORK	Pages 30-34			
<div style="border: 1px solid black; padding: 5px; min-height: 100px;"> <div style="border: 1px solid black; display: inline-block; padding: 2px;">Notes</div> </div>				
Student Daily Assignments		<input checked="" type="checkbox"/>	Parent Daily Guidelines	
DAY 1	Do WORK Page 30	<input type="checkbox"/>	Have the student warm up for Lesson 6 with the Facts Practice Test A on page 30 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 31	<input type="checkbox"/>	Have the student warm up for Lesson 7 with the Facts Practice Test A on page 31 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 32	<input type="checkbox"/>	Have the student warm up for Lesson 8 with the Facts Practice Test A on page 32 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 33	<input type="checkbox"/>	Have the student warm up for Lesson 9 with the Facts Practice Test A on page 33 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 34	<input type="checkbox"/>	Have the student warm up for Lesson 10 with the Facts Practice Test A on page 34 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"/>			
Week 2 Average	Add up column C & divide by number of included <input checked="" type="checkbox"/> assignments =			%