Daily Lesson Plans
for
Saxon Algebra ½
Third Edition

My Father's World®

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Saxon Algebra ½, Third Edition
Lesson Plans

This guide is designed for the average to above average student. We have carefully evaluated each lesson and selected the problems in each lesson that are most important to complete. The goal is to give practice on the newer material but also to include an appropriate number of review problems. Each day's work should take about 1 to 1½ hours to complete.

If a student is struggling somewhat with these assignments and scoring less than 80% on his tests but still comprehends the lessons, then he should slow down and do each problem in each lesson. This will take more time for each lesson but it will improve comprehension.

Materials needed:
- ☐ paper
- ☐ pencils
- ☐ graph paper (beginning on Day 46)
- ☐ a protractor (beginning on Day 121)
- ☐ a scientific calculator (to find sine, cosine, etc.)
- ☐ a 12-inch ruler (with both inches and centimeters)
- ☐ a thin one-theme spiral notebook for notes
- ☐ *Saxon Algebra ½* Homeschool Kit, Solutions Manual (recommended), DIVE CD (recommended)

Note: While listening to the DIVE CD and reading the lessons in the textbook, the student should take notes in a one-theme spiral notebook. This notebook is to be used only for math notes; use a different notebook to work the problems in the Problem Set. The student should write down definitions, draw pictures of examples, and keep notes of anything else that will help him remember the material.

Procedure: MFW recommends using the DIVE CD in conjunction with Saxon math textbooks. Each day, begin by listening to the appropriate lesson on the DIVE CD. Work every problem in your DIVE lesson and take notes in your math notebook of what is taught in the DIVE lesson. Be sure you understand the DIVE lesson and are able to accurately complete all of the practice problems on the CD.

Once you have mastered the lesson on the DIVE CD, complete the Problem Set from your textbook as instructed in your lesson plans. Many students who use the DIVE CD find that they do not need to read the lesson in the Saxon textbook. However, if you have any difficulty with the Problem Set, then also read the lesson in your Saxon textbook and do the practice problems in the book.

Test Scores
Saxon Algebra ½, Third Edition

Name _____

	Date	Score	Parent Initial
Test 1	_____	_____	_____
Test 2	_____	_____	_____
Test 3	_____	_____	_____
Test 4	_____	_____	_____
Test 5	_____	_____	_____
Test 6	_____	_____	_____
Test 7	_____	_____	_____
Test 8	_____	_____	_____
Test 9	_____	_____	_____
Test 10	_____	_____	_____
Test 11	_____	_____	_____
Test 12	_____	_____	_____
Test 13	_____	_____	_____
Test 14	_____	_____	_____
Test 15	_____	_____	_____
Test 16	_____	_____	_____
Test 17	_____	_____	_____
Test 18	_____	_____	_____
Test 19	_____	_____	_____
Test 20	_____	_____	_____
Test 21	_____	_____	_____

<u>Week 12</u>

____Day 51   **Complete** DIVE Lesson 42 or read Lesson 42 (pp139 – 140).
    Do Problem Set 42 (pp140 – 142) #1 – 30.

____Day 52   **Complete** DIVE Lesson 43 or read Lesson 43 (pp142 – 143).
    Do Problem Set 43 (p144) #9 – 26.

____Day 53   **Complete** DIVE Lesson 44 or read Lesson 44 (pp145 – 146).
    Do Problem Set 44 (pp146 – 147) #1 – 29 odds.

____Day 54   **Do** Test 10.

<u>Week 13</u>

____Day 55   **Complete** DIVE Lesson 45 or read Lesson 45 (pp148 – 150).
    Do Problem Set 45 (pp150 – 151) #1 – 17 and 26.

____Day 56   **Complete** DIVE Lesson 46 or read Lesson 46 (pp152 – 153).
    Do Problem Set 46 (pp153 – 154) #18 – 30.

____Day 57   **Complete** DIVE Lesson 47 or read Lesson 47 (pp154 – 155).
    Do Problem Set 47 (pp155 – 156) #1 – 6, 19 – 30.

____Day 58   **Complete** DIVE Lesson 48 or read Lesson 48 (pp157 – 159).
    Do Problem Set 48 (pp159 – 160) #1 – 13, 25 – 30.

____Day 59   **Do** Test 11.

<u>Week 14</u>

____Day 60   **Complete** DIVE Lesson 49 or read Lesson 49 (pp160 – 161).
    Do Problem Set 49 (pp161 – 162) #1 – 10 all, 12 – 30 evens.

____Day 61   **Complete** DIVE Lesson 50 or read Lesson 50 (pp163 – 164).
    Do Problem Set 50 (pp164 – 166) #1 – 10, 24 – 30.

____Day 62   **Complete** DIVE Lesson 51 or read Lesson 51 (pp166 – 167).
    Do Problem Set 51 (pp167 – 168) #1 – 12 all, 13 – 29 odds.

____Day 63   **Complete** DIVE Lesson 52 or read Lesson 52 (p169).
    Do Problem Set 52 (pp170 – 171) #1 – 30.

<u>Week 15</u>

____Day 64   **Do** Test 12.

____Day 65   **Complete** DIVE Lesson 53 or read Lesson 53 (pp171 – 172).
    Do Problem Set 53 (pp172 – 173) #1 – 13 all, 14 – 30 evens.

____Day 66   **Complete** DIVE Lesson 54 or read Lesson 54 (pp174 – 175).
    Do Problem Set 54 (pp176 – 177) #11 – 30.

____Day 67   **Complete** DIVE Lesson 55 or read Lesson 55 (pp177 – 179).
    Do Problem Set 55 (pp179 – 181) #2 – 30 evens.

<u>Week 30</u>

____Day 132   **Complete** DIVE Lesson 107 or read Lesson 107 (pp333 – 334).
                 Note: Since Roman numerals don't use place value, it is difficult to do mathematics with them quickly. Roman merchants created a special box to help them add up purchases quickly and accurately. The box was divided into compartments with the numerals I, V, X, L, and C printed in them. The merchant would put tokens (once thought to be strange coins until it was figured out what they really were) into the compartments corresponding to the various prices and then simplify. For example, let's say someone buys three things for XXXVII, XXIX, and XII. For the first number, XXXVII, the merchant would put three tokens in the X compartment, one token in the V compartment, and two tokens in the I compartment. Then he would place two tokens in the X compartment, one in the V compartment, and four tokens in the I compartment (for XXIX). Finally, he would place one token in the X compartment and two in the I compartment (for XII).

                 Then the merchant would simplify his calculation. Of the eight tokens in the I compartment, he would take out five and, instead, put one token in the V compartment. Of the three tokens now in the V compartment, he would take out two and, instead, put one token in the X compartment. Of the seven tokens now in the X compartment, he would take out five and, instead, put one in the L compartment. In the end, there would be one token in the L compartment, two tokens in the X compartment, one token in the V compartment, and three tokens in the I compartment, giving the answer LXXVIII.

         Do Problem Set 107 (pp334 – 336) #1 – 16 all, 17 – 29 odds.

____Day 133   **Complete** DIVE Lesson 108 or read Lesson 108 (pp336 – 337).
         Do Problem Set 108 (pp337 – 338) #1 – 30.

____Day 134   **Do** Test 26.

____Day 135   **Complete** DIVE Lesson 109 or read Lesson 109 (pp338 – 340).
         Do Problem Set 109 (pp340 – 342) #1 – 14, 23 – 30.

____Day 136   **Complete** DIVE Lesson 110 or read Lesson 110 (pp342 – 343).
         Do Problem Set 110 (pp343 – 344) #1 – 11 all, 14 – 30 evens.

<u>Week 31</u>

____Day 137   **Complete** DIVE Lesson 111 or read Lesson 111 (p345).
         Do Problem Set 111 (pp345 – 347) #1 – 15, 25 – 30.

____Day 138   **Complete** DIVE Lesson 112 or read Lesson 112 (pp347 – 348).
         Do Problem Set 112 (pp348 – 351) #1 – 12, 25 – 30.

____Day 139   **Do** Test 27.

____Day 140   **Complete** DIVE Lesson 113 or read Lesson 113 (pp351 – 352).
         Do Problem Set 113 (pp352 – 354) #1 – 12 all, 14 – 30 evens.