Daily Lesson Plans
for
Saxon Algebra 1
Third Edition

My Father's World®

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Saxon Algebra 1, Third Edition
Lesson Plans

Algebra 1 is a turning point in mathematics. The content changes from concrete thought and facts, like (2 + 3) X (5 – 4), to more abstract thoughts and patterns, like (a + b) X (d – f). Similar to the way different children are ready to learn to read at different ages, so different children are ready to learn abstract mathematical thought at different ages. This means that some children will come to Algebra 1 and just sail through it on calm and peaceful waters with no difficulties (regardless to whether they have been good math students or not before algebra). Other children will come to it like they are sailing on rough and stormy seas (again regardless to whether they have been good math students or not before algebra).

Anticipate doing well in algebra and understanding each lesson as you come to it. But if you find that you keep struggling and that you are not really grasping the ideas, then you simply may not be ready for algebra. If this is the case, there are two main options to consider. Option one: if you did Math 8/7 and skipped Algebra ½, then go to Algebra ½ this year and do Algebra 1 next year. Option two: slow down the pace in Algebra 1, do all the problems in each problem set, and expect to take longer than one school year to finish. It is not a matter of intelligence; rather it is a matter of developmental readiness.

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 61)
- ☐ 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 1* 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 1, 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	_____	_____	_____

____Day 50 **Complete** DIVE Lesson 41 or read Lesson 41 (pp165 – 166).
Do Problem Set 41 (p166 – 168) #2 – 30 evens.

____Day 51 **Complete** DIVE Lesson 42 or read Lesson 42 (pp168 – 170).
Do Problem Set 42 (p170) #1 – 24.

Week 13

____Day 52 **Complete** DIVE Lesson 43 or read Lesson 43 (pp171 – 174).
Do Problem Set 43 (pp174 – 175) #1 – 22.

____Day 53 **Complete** DIVE Lesson 44 or read Lesson 44 (pp176 – 179).
Do Problem Set 44 (p180) #8 – 30.

____Day 54 **Do** Test 10.

____Day 55 **Complete** DIVE Lesson 45 or read Lesson 45 (pp181 – 183).
Note: Make sure you understand and can do example 45.3. This type of question shows up frequently on achievement/placement tests.
Do Problem Set 45 (pp183 – 184) #2 – 30 evens.

____Day 56 **Complete** DIVE Lesson 46 or read Lesson 46 (pp185 – 186).
Do Problem Set 46 (pp186 – 187) #2 – 30 evens.

Week 14

____Day 57 **Complete** DIVE Lesson 47 or read Lesson 47 (pp187 – 190).
Do Problem Set 47 (pp190 – 192) #1 – 30.

____Day 58 **Complete** DIVE Lesson 48 or read Lesson 48 (pp192 – 195).
Do Problem Set 48 (pp195 – 196) #1 – 24.

____Day 59 **Do** Test 11.

____Day 60 **Complete** DIVE Lesson 49 or read Lesson 49 (pp197 – 199).
Do Problem Set 49 (p199) #1 – 20.
Note: You will need graph paper starting tomorrow (Lesson 50).

____Day 61 **Complete** DIVE Lesson 50 or read Lesson 50 (pp200 – 204).
Do Problem Set 50 (pp204 – 205) #9 – 30.

Week 15

____Day 62 **Complete** DIVE Lesson 51 or read Lesson 51 (pp205 – 209).
Do Problem Set 51 (p210) #6 – 24.

____Day 63 **Complete** DIVE Lesson 52 or read Lesson 52 (pp211 – 213).
Do Problem Set 52 (pp213 – 214) #1 – 10, 14 – 21.

____Day 64 **Do** Test 12.

____Day 92 **Complete** DIVE Lesson 75 or read Lesson 75 (pp305 – 311).
Do Problem Set 75 (p312) #1 – 15.

Week 22

____Day 93 **Complete** DIVE Lesson 76 or read Lesson 76 (pp313 – 314).
Note: Read each question carefully. A **common mistake** many students make is not answering the question fully. If the question asks for *three* consecutive integers, then there should be *three* numbers in the answer. Many students answer with only the first of the numbers.
Do Problem Set 76 (pp315 – 316) #1 – 29 odds.

____Day 94 **Do** Test 18.

____Day 95 **Complete** DIVE Lesson 77 or read Lesson 77 (pp316 – 318).
Do Problem Set 77 (pp318 – 319) #1 – 6 all, 8 – 30 evens.

____Day 96 **Complete** DIVE Lesson 78 or read Lesson 78 (pp320 – 321).
Do Problem Set 78 (p322) #6 – 21.

____Day 97 **Complete** DIVE Lesson 79 or read Lesson 79 (pp323 – 325).
Do Problem Set 79 (pp325 – 326) #1 – 12 all, 14 – 30 evens.

Week 23

____Day 98 **Complete** DIVE Lesson 80 or read Lesson 80 (pp326 – 328).
Do Problem Set 80 (pp328 – 329) #1 – 10 all, 12 – 30 evens.

____Day 99 **Do** Test 19.

____Day 100 **Complete** DIVE Lesson 81 or read Lesson 81 (pp330 – 335).
Do Problem Set 81 (p335) #1 – 12.

____Day 101 **Complete** DIVE Lesson 82 or read Lesson 82 (pp337 – 340).
Do Problem Set 82 (pp340 – 341) #1 – 10 all, 11 – 29 odds.

____Day 102 **Complete** DIVE Lesson 83 or read Lesson 83 (pp342 – 343).
Do Problem Set 83 (pp344 – 345) #1 – 8 all, 10 – 30 evens.

Week 24

____Day 103 **Complete** DIVE Lesson 84 or read Lesson 84 (pp345 – 349).
Do Problem Set 84 (pp350 – 351) #1 – 30.

____Day 104 **Do** Test 20.

____Day 105 **Complete** DIVE Lesson 85 or read Lesson 85 (pp351 – 355).
Note: Notice that the bars touch each other in a histogram. However, there are spaces between the bars in a bar graph. This helps us visually tell one form of graph from the other.
Do Problem Set 85 (pp355 – 356) #1 – 15.