

# Math 2

## Scripted Lesson Plans



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## INTRODUCTION

Math is a concept-oriented discipline that builds on prior mastery. Moving on from a concept without having mastered it to the next concept is fraught with possible problems. That is why we like Saxon Math in the grammar school years. Its three-steps-forward, two-steps-back way of building and reviewing minimizes such problems.

As you may have observed, we recommend Saxon Math ahead of the grade level recommended by the publisher. It is our opinion that, based on the experience of thousands of children, our knowledge of historic standards, and observation of other countries where math is a strong suit, this is quit reasonable. However, we realize that your children may not be ready to do this yet. Taking them from where they are is necessary. The pace at which you go from there is your call.

There are those children who are ready to tackle beyond the level that we recommend. Starting them higher would generally not be as effective as moving them faster.

With math, keeping them challenged without frustrating them is a key goal.

## GRADE BY GRADE

Below is the grade-by-grade breakdown for Math.

<u>Grade</u>	<u>Curriculum</u>
Kindergarten	Saxon 1
1 <sup>st</sup>	Saxon 2
2 <sup>nd</sup>	Saxon 3
3 <sup>rd</sup>	Saxon 54
4 <sup>th</sup>	Saxon 65
5 <sup>th</sup>	Saxon 76
6 <sup>th</sup>	Saxon Algebra ½

## BEFORE YOU BEGIN

1. For Saxon 1, 2 and 3
  - a. Read the Home Study Overview in the Teacher's Manual.
  - b. Refer to the Veritas Press Scholars Lesson Plans, Lesson 1 for Books and Materials that will be needed to begin.
  - c. You are ready to begin.
2. For Saxon 54, 65, 76 and Algebra ½
  - a. Become familiar with introductory materials.
  - b. Refer to the Veritas Press Scholars Lesson Plans, Lesson 1 for Books and Materials that will be needed to begin.
  - c. You are ready to begin.

## ADDITIONAL THOUGHTS

Math textbook writers are known for expecting children to do every problem in every problem set. The folks at Saxon are no different. We agree with them in early levels and have generally not skipped any problems in what we recommend in the Lesson Plans through and including Saxon 65. Beginning with Saxon 76, there are times where

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we don't see the necessity of doing all the problems. In such instances we have carefully selected the ones we believe most beneficial.

You will need to be the judge of whether your children are able to master the material as we have recommended. There will certainly be instances where doing more problems will be beneficial and there will be instances where even doing all that we recommend will not be the best use of the time available.

## Telling Time to the Hour

### **BOOKS**

Saxon 3 Teacher's Manual  
Saxon 3 Meeting Book

### **MATERIALS**

Copy of Meeting Strip, Teacher's Manual, pg. xvii  
Demonstration Clock  
Outdoor Thermometer

### **OBJECTIVE**

To teach the children to tell time to the hour.

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### **TEACHING**

Do Lesson 1, pgs. 1–5 of Teacher's Manual.

### **ASSIGNMENT**

None

## Graphing Data on a Bar Graph

### BOOKS

Saxon 3 Teacher's Manual  
Saxon 3 Student Workbook  
Saxon 3 Meeting Book

### MATERIALS

Copy of Meeting Strip, Teacher's Manual, pg. xvii  
Worksheet 2A/2B from Student Workbook

### OBJECTIVE

To teach the children how to show information using a bar graph.

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### TEACHING

Do Lesson 2, pgs. 6–10 of Teacher's Manual.

### ASSIGNMENT

None

## Reading a Graph and Addition Facts – Doubles to 18

### BOOKS

Saxon 3 Teacher's Manual  
Saxon 3 Student Workbook

### MATERIALS

Addition Fact Cards – Tan  
Small plastic bag for Fact Cards  
Worksheet 3A/3B from Student Workbook

### OBJECTIVE

To teach the children to read information from a bar graph. To review addition facts of double to 18.

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### TEACHING

Do Lesson 3, pgs. 11–16 of Teacher's Manual.

### ASSIGNMENT

None

## Telling Time to the Half Hour

### BOOKS

Saxon 3 Teacher's Manual  
Saxon 3 Student Workbook

### MATERIALS

Demonstration Clock  
Addition Fact Cards – Peach and Lavender  
Worksheet 4A/4B from Student Workbook

### OBJECTIVE

To teach the children to tell time to the half hour. To review addition facts – adding zero and adding one.

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### TEACHING

Do Lesson 4, pgs. 17–22 of Teacher's Manual.

### ASSIGNMENT

None

## Using a Ruler to Measure to the Nearest Inch

**BOOKS**

Saxon 3 Home Study 1<sup>st</sup> Edition

**MATERIALS**

Ruler  
Master 3-5  
Fact Sheet A 1.2  
Worksheet 5A/5B from Student Workbook

**OBJECTIVE**

To teach the children to measure to the nearest inch using a ruler. To have the children practice addition doubles fact recall.

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**TEACHING**

Do Lesson 5, pages 23–29 of Teacher’s Edition.

**ASSIGNMENT**

None



## Identifying and Measuring the Length and Width of a Rectangle

**BOOKS**

Saxon 3 Teacher's Manual  
Saxon 3 Student Workbook

**MATERIALS**

Master 3-6  
Ruler  
Fact Sheet A 2.0  
Worksheet 6A/6B  
Addition Fact Cards - Peach

**OBJECTIVE**

To teach the children to distinguish and measure the length and width of a rectangle. To increase speed of recall for doubles plus one addition facts.

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**TEACHING**

Do Lesson 6, pgs. 30–36 of Teacher's Manual.

*ALERT: You may need to remind the children to use the inches side of their ruler and not the metric side for this assignment, just like the measuring done in Lesson 5.*

**ASSIGNMENT**

Do Worksheet 6A/6B.

COMPLETED  GRADED

## Ordering Numbers to 100

**BOOKS**

Saxon 3 Teacher's Manual  
Saxon 3 Student Workbook

**MATERIALS**

Four Small Household Items or Toys  
Four Construction Paper Tags  
Fact Sheet A 4.0  
Worksheet 8A/8B  
Addition Fact Cards - Green

**OBJECTIVE**

To teach the children to put numbers up to 100 in order and distinguish between the smallest and largest number in a group of numbers.

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**TEACHING**

Do Lesson 7, pgs. 38–44 of Teacher's Manual.

**ASSIGNMENT**

Do Worksheet 7A/7B.

COMPLETED  GRADED

## Addition Facts – Adding Two

**BOOKS**

Saxon 3 Teacher's Manual  
Saxon 3 Student Workbook

**MATERIALS**

Fact Sheet A 4.0  
Worksheet 8A/8B  
Addition Fact Cards - Green

**OBJECTIVE**

To teach the children addition facts that are adding two to a number and check their speed in addition recall.

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**TEACHING**

Do Lesson 8, pgs. 45–49 of Teacher's Manual.

**ASSIGNMENT**

Do Worksheet 8A/8B.

COMPLETED  GRADED

## Identifying Even and Odd Numbers, Identifying and Acting Out Some, Some More Stories

### BOOKS

Saxon 3 [Teacher's Manual](#)  
Saxon 3 [Student Workbook](#)

### MATERIALS

Ten Action Figures, Dolls, Stuffed Animals, or Other Toys  
Two different colors of chalk or markers  
Fact Sheet A 2.0  
Worksheet 9A/9B

### OBJECTIVE

To teach the children to identify even and odd numbers. To provide a hands-on approach to teaching children to identify and solve some, some more word problems.

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### TEACHING

Do Lesson 9, pgs. 50–55 of [Teacher's Manual](#).

### ASSIGNMENT

Do Worksheet 9A/9B.

COMPLETED  GRADED

## Identifying the Relative Worth of Pattern Blocks

**BOOKS**

Saxon 3 Teacher's Manual  
Saxon 3 Student Workbook

**MATERIALS**

Oral Assessment #1 Recording Form  
Written Assessment #1  
Individual Recording Form  
Master 3-10  
Pattern Blocks  
Crayons  
Individual Clock (for Oral Assessment)  
Fact Sheet A 3.0

**OBJECTIVE**

To teach the children to evaluate the worth of a pattern design based on the value and number of pattern blocks needed to cover each design. To increase speed of recall for addition facts.

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**TEACHING**

Do Lesson 10, pgs. 56–61 of Teacher's Manual.

**ASSIGNMENT**

Do Worksheet 10A/10B.

COMPLETED  GRADED

## Dividing Squares into Two and Four Equal Part

### BOOKS

Saxon 3 Teacher's Manual  
Saxon 3 Student Workbook

### MATERIALS

Five 6" Construction Paper Squares  
Markers or Crayons  
Small Plastic Bag, Folder, or Envelope for storing  
Squares (referred to as the Fraction Bag)  
Fact Sheet A 2.2  
Worksheet 11A/11B  
Addition Fact Cards – Peach and Tan

### OBJECTIVE

To teach the children to divide a square into 2 equal parts and into 4 equal parts. To increase speed of recall for addition facts.

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### TEACHING

Do Lesson 11, pgs. 62–67 of Teacher's Manual.

### ASSIGNMENT

Do Worksheet 11A/11B.

COMPLETED  GRADED

## Counting Dimes and Nickels to \$1.00

**BOOKS**

Saxon 3 [Teacher's Manual](#)  
Saxon 3 [Student Workbook](#)

**MATERIALS**

6 Dimes, 8 Nickels  
Fact Sheet A 4.0  
Worksheet 12A/12B  
Addition Fact Cards - Green

**OBJECTIVE**

To teach the children to count money using dimes and nickels. To increase speed of recall for adding two addition facts.

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**TEACHING**

Do Lesson 12, pgs. 68–72 of [Teacher's Manual](#).

**ASSIGNMENT**

Do Worksheet 12A/12B.

COMPLETED  GRADED

## Addition Facts – Doubles Plus One

**BOOKS**

Saxon 3 Teacher's Manual  
Saxon 3 Student Workbook

**MATERIALS**

Fact Sheet A 5.1  
Worksheet 13A/13B  
Addition Fact Cards - Pink

**OBJECTIVE**

To teach the children the addition facts that are called doubles plus one facts and check speed of recall for these facts.

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**TEACHING**

Do Lesson 13, pgs. 73–77 of Teacher's Manual.

**ASSIGNMENT**

Do Worksheet 13A/13B.

COMPLETED  GRADED