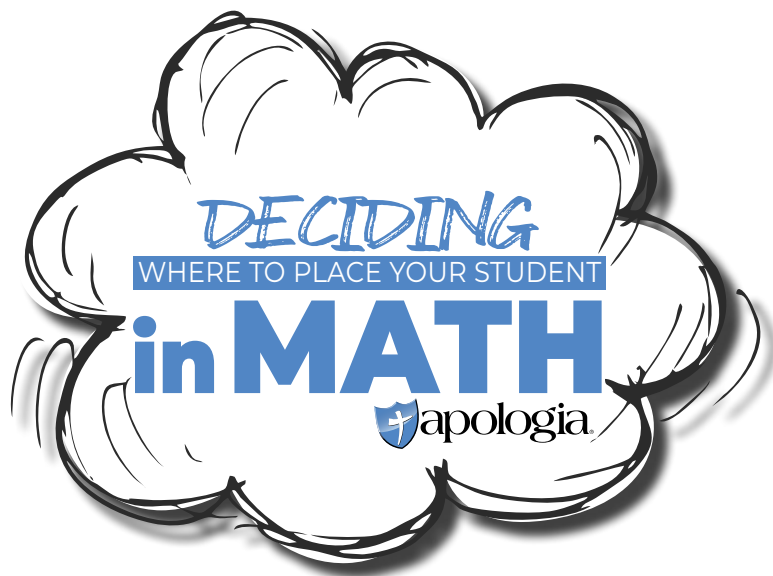


DECIDING

WHERE TO PLACE YOUR STUDENT

in MATH





Apologia has created this math program with courses designed to progress your student through specific skills and levels of learning rather than by traditional grade levels. In this program, students master math concepts that build on one another to establish a strong foundation for success in future courses.

The pace at which our children learn is unique to each child. This is why all Apologia schedules are labeled as “Suggested.” You can choose to advance through our math courses more quickly than the schedule suggests or slow down the pace of learning as needed. Ultimately, you want your child to not only learn the material but also internalize it, understand it, and be able to use it in its proper context in the world.

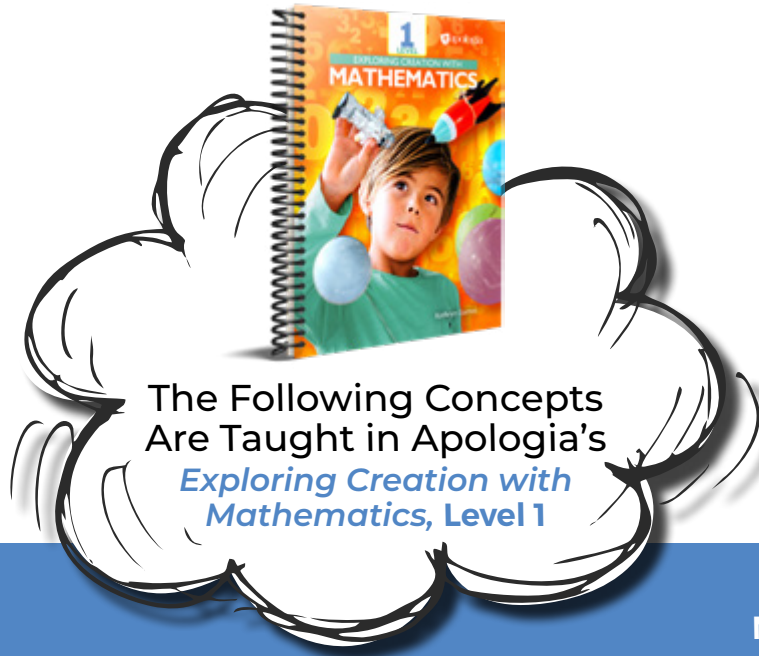
Although it may be tempting to advance your student through a math program according to his or her age, it is important to recognize that any gaps in knowledge or mastery will eventually burden the student who isn’t properly prepared.

There is no simple test that you can administer to precisely evaluate your student’s math skills. At Apologia, we believe you know your child best. Take some time to review the following mathematical skills and then spend time with your student to determine if he or she has confidence and is competent in each of these skills before advancing him or her to the next level.

In an effort to help you decide which level is most appropriate for your student, we recommend two things:

1. Start by reviewing what is covered at each level of *Exploring Creation with Mathematics*. We’ve broken down each level according to its component units and chapters. Ask yourself, *Does my child know this concept?* and *Has my child mastered this concept?* Mark each skill according to whether your child knows it well or requires more practice in this area.
2. Review the list to determine which level is the best fit for your child. If you need more detail, you can download the Table of Contents and samples from our website.

*Thank you for choosing Apologia,
and may God bless you on your homeschooling journey!*



	Mastered	Needs Practice
Unit 1 – Chapter 1 <ul style="list-style-type: none"> Identify, write, and use the numbers 1-10 Match a numeral to the correct number of objects Complete sequences and put the numbers 1-10 in order 	<input type="checkbox"/>	<input type="checkbox"/>
Unit 1 – Chapter 2 <ul style="list-style-type: none"> Identify, write, and use the numbers 0-20 Match a numeral to the correct number of objects Complete sequences and put the numbers 0-20 in order 	<input type="checkbox"/>	<input type="checkbox"/>
Unit 1 – Chapter 3 <ul style="list-style-type: none"> Add by counting on, drawing a picture, and using symbols Add zero and add in any order 	<input type="checkbox"/>	<input type="checkbox"/>
Unit 1 – Chapter 4 <ul style="list-style-type: none"> Make the number sums 5 to 10 in different ways Solve addition word problems 	<input type="checkbox"/>	<input type="checkbox"/>
Unit 2 – Chapter 5 <ul style="list-style-type: none"> Subtract by taking away, crossing out, or using symbols Subtract all or zero from a group Solve subtraction word problems 	<input type="checkbox"/>	<input type="checkbox"/>
Unit 2 – Chapter 6 <ul style="list-style-type: none"> Use double facts Solve addition problems with answers up to 20 Add three numbers 	<input type="checkbox"/>	<input type="checkbox"/>

Unit 2 – Chapter 7

- Count backwards to subtract
- Use three different subtraction strategies
- Compare numbers using subtraction

Unit 2 – Chapter 8

- Identify related facts
- Group facts into fact families
- Solve addition and subtraction word problems

Unit 3 – Chapter 9

- Count to 120
- Find patterns in the hundreds chart
- Break numbers into tens and ones

Unit 3 – Chapter 10

- Compare numbers using base ten blocks
- Compare numbers using place value
- Use the math symbols for greater than, less than, and equal to

Unit 3 – Chapter 11

- Add and subtract multiples of 10
- Add two-digit numbers using the hundreds chart and base ten blocks
- Add two-digit numbers using place value

Unit 4 – Chapter 12

- Measure lengths
- Measure capacity
- Measure time to the hour and half hour

Unit 4 – Chapter 13

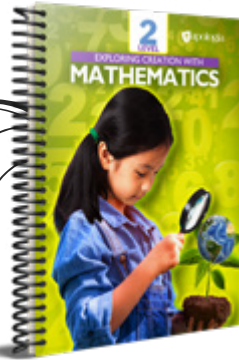
- Record data with tally marks
- Collect data with a survey
- Graph data on picture graphs and bar graphs

Unit 5 – Chapter 14

- Identify and describe 3D shapes
- Build 3D shapes
- Identify the faces of 3D shapes

Unit 5 – Chapter 15

- Identify and describe 2D shapes
- Create new 2D shapes
- Divide shapes into equal parts



The Following Concepts
Are Taught in Apologia's
*Exploring Creation with
Mathematics, Level 2*

Mastered

Needs
Practice

Unit 1 – Chapter 1

- Use place value to read and write two-digit numbers
- Represent two-digit numbers in standard and expanded form
- Determine if a number is even or odd

Unit 1 – Chapter 2

- Count to 1,000
- Write three-digit numbers in different ways
- Compare three-digit numbers

Unit 2 – Chapter 3

- Use double facts or make a 10 to help you add
- Use the bar model to solve addition and subtraction problems
- Count back, use a related fact, or make a 10 to solve a subtraction problem

Unit 2 – Chapter 4

- Choose the best subtraction strategy
- Use the bar model
- Use repeated addition

Unit 2 – Chapter 5

- Add two-digit numbers using compensation
- Add two-digit numbers in expanded form
- Add two-digit numbers in the vertical format
- Add three and four numbers together

Unit 2 – Chapter 6

- Subtract two-digit numbers using number lines, counting up, and compensation
- Subtract two-digit numbers using base ten blocks
- Subtract two-digit numbers in the vertical format
- Solve two-digit addition and subtraction problems using the bar model and other strategies

Unit 3 – Chapter 7

- Count up coins
- Count up amounts over one dollar

Unit 3 – Chapter 8

- Tell time to the nearest five minutes
- Use a.m. and p.m.

Unit 4 – Chapter 9

- Add three-digit numbers using base ten blocks
- Add three-digit numbers in expanded form
- Add three-digit numbers in the vertical format

Unit 4 – Chapter 10

- Subtract three-digit numbers using base ten blocks
- Subtract three-digit numbers by drawing
- Subtract three-digit numbers in the vertical format

Unit 5 – Chapter 11

- Measure lengths in inches
- Use a ruler
- Measure lengths in feet
- Use a tape measure
- Estimate and compare measurements

Unit 5 – Chapter 12

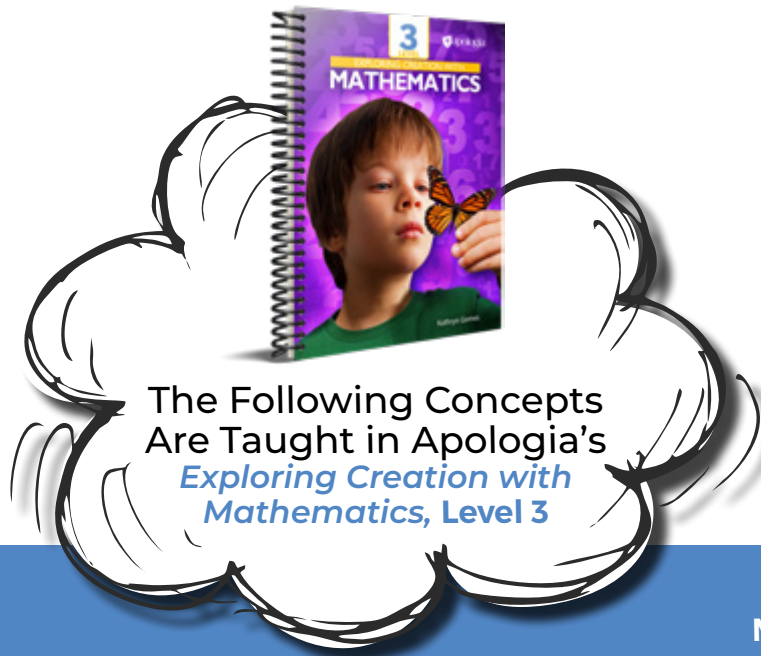
- Measure lengths in centimeters
- Measure lengths in meters
- Estimate and compare measurements

Unit 5 – Chapter 13

- Record data on a tally chart
- Create and analyze picture graphs
- Create and analyze bar graphs
- Create and analyze line graphs

Unit 6 – Chapter 14

- Identify 3D and 2D shapes
- Identify angles, symmetry, and equal parts



The Following Concepts
Are Taught in Apologia's
*Exploring Creation with
Mathematics, Level 3*

Mastered

**Needs
Practice**

Unit 1 - Chapter 1

- Round to the nearest ten
- Round to the nearest hundred
- Compare three-digit numbers

Unit 1 - Chapter 2

- Estimate Sums and Differences
- Add and Subtract with Regrouping
- Solve Addition and Subtraction Word Problems

Unit 2 - Chapter 3

- Use repeated addition to find the total in equal groups
- Use skip counting and number lines to find the total in equal groups
- Learn the definition and symbols for multiplication

Unit 2 - Chapter 4

- Learn to multiply by 2, 10, 5, 3, and 4
- Practice your multiplication facts

Unit 3 - Chapter 5

- Divide using counters
- Divide by drawing and circling
- Divide using repeated subtraction and arrays
- Represent division problems with a bar model

Unit 3 – Chapter 6

- Relate multiplication and division
- Divide by 2, 10, 5, 3, and 4
- Practice memorizing division facts

Unit 4 – Chapter 7

- Graph data on picture graphs, bar graphs, and line graphs
- Record the time to the minute
- Find time intervals
- Measure liquid volume and mass

Unit 5 – Chapter 8

- Learn to multiply by 6, 7, 8, and 9
- Practice memorizing multiplication facts

Unit 5 – Chapter 9

- Divide by 6, 7, 8, and 9
- Practice memorizing division facts
- Solve division word problems

Unit 6 – Chapter 10

- Use fractions to describe part of a whole or group
- Label fractions on a number line
- Solve fraction word problems

Unit 6 – Chapter 11

- Compare fractions
- Find equivalent fractions

Unit 7 – Chapter 12

- Find the perimeter of rectangles and other shapes
- Find the area of rectangles and other shapes

Unit 7 – Chapter 13

- Identify polygons and non-polygons
- Classify polygons according to their sides and angles
- Identify circles and their different parts