

# NFC ACADEMY

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FOURTH GRADE DAILY LESSON PLANNER

MATHEMATICS UNITS 1-5

NFC ACADEMY | 3000 N. MERIDIAN ROAD, TALLAHASSEE, FL 32312

# NFC Academy Lesson Planner

## 4<sup>th</sup> Grade Mathematics Units 1 – 5

This NFC Academy Teacher Guide is designed to keep homeschool families on track for a completion during a school year program of approximately 180 days. Schedules may vary and the parent may adjust the teaching assignments as required by the home schedule, but all work must be completed. Information in this teacher guide comprises five units of study in a course and most units have 10 units for a full year. The parent may record the date each unit is completed or may plan out the unit's work and record the date to be completed. This Teacher Guide is a tool to assist the parent in meeting the educational goals for their child.

The following explanations to this Teacher Guide:

**Day:** The day of your school year from start date. It should take you 15-18 days to complete a unit and with 10 units per subject that results in the 180 days of the program.

**Date to Complete:** That can be used to record the date you completed the study, or may be best used by establishing the date for each lesson to be completed. You may do more than one lesson per day when you carry over a lesson to the next day's assignment, and make adjustments to ensure that your child has covered the material adequately. Flexibility can be made to fit your schedule, but most of the time a regular routine helps ensure that you stay on a track to finish as you planned.

**Teacher Notes:** Refers to the page number from the Teacher's Curriculum Guide that was sent to you. This is where you have the information needed to conduct each lesson.

**Student LIFEPAC:** The student work book that will correspond to the information from the Teacher Notes.

**Worksheet:** Refers to the worksheet for the assigned lesson located in the back of the Teacher's Guide. Page number is listed for the worksheet. Check to ensure that you use the worksheet for the page of the lesson in the Student Life Pac and Teacher's Guide lesson of the day

**Mathematics:** Refers to the LIFEPAC fourth grade mathematics work texts which are Bible-based and are complete with engaging illustrations and step-by-step lessons like adding, subtracting, word problems, shapes, charts, graphs, operation symbols, fractions, time, place value, measurements, and more. Each work text includes fun illustrations, a variety of math exercises and hands-on activities. Each LIFEPAC unit includes concept reviews, self-tests and one removable, teacher-administered unit test.

**NFC Academy Resource Teacher:** You will be assigned an NFC Academy Resource teacher who will be available to answer your questions throughout your school year.

**Report Cards:** Report card grades will be created for each semester with the units 1-5 comprising the grades for the first reporting period. The second report period will be made up of units 6-10. Your NFC Academy Resource teacher will have the necessary paperwork for you to complete. Once you have completed the grades you will submit to your Resource teacher who will complete the report card grades for you. Report card grades will be available online using your RenWeb Parent Portal. Final report cards will be sent to you by the NFC Academy office.

**Fourth Grade Math Unit 1**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAC</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
1	_____	1 – Place Value to 1000's – p. 3 Objectives – p. 3 Place Value – p. 3	Teacher Guide (TG) – p. 26-28 <i>(Choose various activities to complete throughout the course)</i>  Teacher Guide – p. 168-174 <i>(Glossary and measurements, for reference)</i>	1.1 – 1.3 Complete these activities – p. 4
2	_____	Addition and Subtraction – p. 5	Answers to questions – p. 30	1.4 – 1.12 Complete these activities – p. 5-7
3	_____	Digits – p. 8  Prepare for self-test	Answers to questions – p. 30	1.13 – 1.19 Complete these activities – p. 8-10
4	_____	Self-Test 1 – p. 11-12  2 – Multiplication Facts 1-5 – p. 13  Objectives – p. 13	Answers to self-test – p.31  Answers to questions – p. 31	Self-Test 1 – p. 11-12  2.1 – 2.4 Complete these activities – p. 13
5	_____	Family of Facts – p. 14	Answers to questions – p. 31-32	2.5 – 2.12 Complete these activities – p. 14-17

## **Fourth Grade Math Unit 1**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAK</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
6	_____	Time – p. 18  Prepare for self-test	Answers to questions – p. 32	2.13 – 2.15 Complete these activities – p. 18-19
7	_____	Self-Test 2 – p. 20-21  3 – Number Words through Thousands – p. 22  Objectives – p. 22	Answers to self-test – p. 32  Answers to questions – p. 33	Self-Test 2 – p. 20-21  3.1 – 3.11 Complete these activities – p. 23-25
8	_____	Patterns – p. 26	Answers to questions – p. 33	3.12 – 3.14 Complete these activities – p. 26-27
9	_____	Cardinal and Ordinal Numbers – p. 27  Prepare for self-test	Answers to questions – p. 33	3.15 – 3.20 Complete these activities – p. 27-29
10	_____	Self-Test 3 – p. 30-31  4 – Read and Write Fractions – p. 32  Objectives – p. 32	Answers to self-test – p. 34  Answers to questions – p. 34	Self-Test 3 – p. 30-31  4.1 – 4.7 Complete these activities – p. 33
11	_____	Fractions – p. 34	Answers to questions – p. 34-35	4.8 – 4.14 Complete these activities – p. 34-37
12	_____	Dollars, Cents, and Coins – p. 37  Prepare for self-test	Answers to questions – p. 35	4.15 – 4.20 Complete these activities – p. 37-39

### **Fourth Grade Math Unit 1**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAK</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
13	_____	Self-Test 4 – p. 40-41  5 – Application and Review – p. 42  Objectives – p. 42	Answers to self-test – p. 35  Answers to questions – p. 36	Self-Test 4 – p. 40-41  5.1 – 5.10 Complete these activities – p. 42
14	_____	Cardinal and Ordinal – p. 43	Answers to questions – p. 36	5.11 – 5.20 Complete these activities – p. 43-44
15	_____	Review continued – p. 45  Prepare for self-test	Answers to questions – p. 36	5.21 – 5.38 Complete these activities – p. 45-47
16	_____	Self-Test 5 – p. 48-49  Prepare for unit test	Answers to self-test – p. 37	Self-Test 5 – p. 48-49
17	_____	Unit Test 401  Alternate Unit Test – TG – p. 39-41	Answers to unit test – p. 38  Answers to alternate test – p. 38	Unit Test 401

### **Congratulations – This Unit Is Complete**

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## **Fourth Grade Math Unit 2**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFE PAC</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
1	_____	1 – Multiplication Facts 6-10 – p. 3  Objectives – p. 3	Answers to questions – p. 44	1.1 – 1.4 Complete these activities – p. 3-4
2	_____	Multiplication Facts – p. 4	Answers to questions – p. 44	1.5 – 1.9 Complete these activities – p. 4-5
3	_____	Problems in Multiplication – p. 6	Answers to questions – p. 44	1.10 – 1.14 Complete these activities – p. 6-7
4	_____	Coins – p. 8  Prepare for self-test	Answers to questions – p. 44	1.15 – 1.22 Complete these activities – p. 8-10
5	_____	Self-Test 1 – p. 11-12  1 – Place Value to 10,000 – p. 13  Objectives – p. 13	Answers to self-test – p. 45  Answers to questions – p. 45	Self-Test 1 – p. 11-12  2.1 – 2.6 Complete these activities – p. 14-15
6	_____	Operation Signs – p. 16	Answers to questions – p. 45	2.7 – 2.8 Complete these activities – p. 16
7	_____	Missing Numbers – p. 17  Prepare for self-test	Answers to questions – p. 45-46	2.9 – 2.17 Complete these activities – p. 17-18

**Fourth Grade Math Unit 2**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAK</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
8	_____	Self-Test 2 – p. 19-20  3 – Add and Subtract Fractions – p. 21  Objectives – p. 21	Answers to self-test – p. 46  Answers to questions – p. 47	Self-Test 2 – p. 19-20  3.1 – 3.6 Complete these activities – p. 21-23
9	_____	Rounding and Estimating – p. 23	Answers to questions – p. 47	3.7 – 3.9 Complete these activities – p. 24
10	_____	Estimation – p. 24  Prepare for self-test	Answers to questions – p. 47	3.10 – 3.17 Complete these activities – p. 25-27
11	_____	Self-Test 3 – p. 28-29  4 – Equivalent Fractions – p. 30  Objectives – p. 30	Answers to self-test – p. 48  Answers to questions – p. 48	Self-Test 3 – p. 28-29  4.1 – 4.6 Complete these activities – p. 30-32
12	_____	Rounding and Estimating – p. 33	Answers to questions – p. 48	4.7 – 4.10 Complete these activities – p. 33-34
13	_____	Shapes – p. 35  Prepare for self-test	Answers to questions – p. 49	4.11 – 4.17 Complete these activities – p. 35-36

## **Fourth Grade Math Unit 2**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFE PAC</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
14	_____	Self-Test 4 – p. 37-38  5 – Application and Review  Objectives – p. 39	Answers to self-test – p. 49  Answers to questions – p. 50	Self-Test 4 – p. 37-38  5.1 – 5.16 Complete these activities – p. 39-41
15	_____	Review – p. 41  Prepare for self-test	Answers to questions – p. 50	5.17 – 5.29 Complete these activities – p. 42-45
16	_____	Self-Test 5 – p. 46-47  Prepare for unit test	Answers to self-test – p. 51	Self-Test 5 – p. 46-47
17	_____	Unit Test 402  Alternate Unit Test – TG – p. 53-55	Answers to unit test – p. 52  Answers to alternate test – p. 52	Unit Test 402

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### **Fourth Grade Math Unit 3**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFE PAC</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
1	_____	1 – Rounding Numbers – p. 3  Objectives – p. 3	Answers to questions – p. 58	1.1 – 1.10 Complete these activities – p. 3-6
2	_____	Multiplying with Carrying to 10's – p. 7  Prepare for self-test	Answers to questions – p. 58	1.11 – 1.14 Complete these activities – p. 7-9
3	_____	Self-Test 1 – p. 10-11  2 – Estimating to 100's – p. 12  Objectives – p. 12	Answers to self-test – p. 59  Answers to questions – p. 59	Self-Test 1 – p. 10-11  2.1 – 2.7 Complete these activities – p.12-15
4	_____	Fractions Equal to Whole Numbers – p. 15  Prepare for self-test	Answers to questions – p. 59-60	2.8 – 2.15 Complete these activities – p. 15-17
5	_____	Self-Test 2 – p. 18-19  3 – Estimating to 1000's – p. 20  Objectives – p. 20	Answers to self-test – p. 60  Answers to questions – p. 61	Self-Test 2 – p. 18-19  3.1 Answer the questions – p. 20-21
6	_____	Operation Signs – p. 21	Answers to questions – p. 61	3.2 – 3.4 Complete these activities – p. 21-22
7	_____	Adding and Subtracting Fractions – p. 22	Answers to questions – p. 61	3.5 – 3.10 Complete these activities – p. 22-23

**Fourth Grade Math Unit 3**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAK</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
8	_____	Adding and Subtracting to 10,000 – p. 24  Prepare for self-test	Answers to questions – p. 61	3.11 – 3.13 Complete these activities – p. 24-25
9	_____	Self-Test 3 – p. 26-27  4 – Equivalent Fractions – p. 28  Objectives – p. 28	Answers to self-test – p. 62  Answers to questions – p. 62	Self-Test 3 – p. 26-27  4.1 – 4.5 Complete these activities – p. 28-30
10	_____	Place Value of 100,000 – p. 31	Answers to questions – p. 62-63	4.6 – 4.13 Complete these activities – p. 31-33
11	_____	Equations – p. 34  Prepare for self-test	Answers to questions – p. 63	4.14 – 4.16 Complete these activities – p. 34-36
12	_____	Self-Test 4 – p. 37-38  5 – Application and Review – p. 39  Objectives – p. 39	Answers to self-test – p. 63  Answers to questions – p. 64	Self-Test 4 – p. 37-38  5.1 – 5.8 Complete these activities – p. 39-40
13	_____	Review – p. 41	Answers to questions – p. 64	5.9 – 5.33 Complete these activities – p. 41-44
14	_____	Line Graphs – p. 44  Prepare for self-test	Answers to questions – p. 64	5.34 Complete the graph – p. 44-45

**Fourth Grade Math Unit 3**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAC</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
15	_____	Self-Test 5 – p. 46-47  Prepare for unit test	Answers to self-test – p. 65	Self-Test 5 – p. 46-47
16	_____	Unit Test 403  Alternate Unit Test – TG – p. 67-69	Answers to unit test – p. 66  Answers to alternate test – p. 66	Unit Test 403

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## **Fourth Grade Math Unit 4**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAK</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
1	_____	1 – Plane and Solid Shapes – p. 3  Objectives – p. 3	Answers to questions – p. 72	1.1 – 1.3 Complete these activities – p. 3-4
2	_____	Plane Shapes – p. 4	Answers to questions – p. 72	1.4 – 1.10 Complete these activities – p. 5-6
3	_____	Solid Shapes – p. 6  Prepare for self-test	Answers to questions – p. 72	1.11 – 1.15 Complete these activities – p. 7-8
4	_____	Self-Test 1 – p. 9-10  2 – Adding, Subtracting, Multiplying – p. 11  Objectives – p. 11	Answers to self-test – p. 73  Answers to questions – p. 73	Self-Test 1 – p. 9-10  2.1 – 2.6 Complete these activities – p. 11-13
5	_____	Number Order – p. 14	Answers to questions – p. 73	2.7 – 2.10 Complete these activities – p. 14-15
6	_____	Numbers can be rounded – p. 15  Prepare for self-test	Answers to questions – p. 73	2.11 – 2.17 Complete these activities – p. 16-19
7	_____	Self-Test 2 – p. 20-21  3 – Lines and Line Segments – p. 22  Objectives – p. 22	Answers to self-test – p. 74  Answers to questions – p. 74	Self-Test 2 – p. 20-21  3.1 – 3.3 Complete these activities – p. 22-23

**Fourth Grade Math Unit 4**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAC</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
8	_____	Endpoints, Rays, Angles – p. 23  Prepare for self-test	Answers to questions – p. 74-75	3.4 – 3.17 Complete these activities – p. 23-28
9	_____	Self-Test 3 – p. 29-30  4 – Equivalent Fractions – p. 31  Objectives – p. 31	Answers to self-test – p. 75  Answers to questions – p. 76	Self-Test 3 – p. 29-30  4.1 – 4.7 Complete these activities – p. 31-32
10	_____	Sequencing – p. 33	Answers to questions – p. 76	4.8 – 4.14 Complete these activities – p. 33-34
11	_____	Missing Number Problems – p. 35  Prepare for self-test	Answers to questions – p. 76-77	4.15 – 4.24 Complete these activities – p. 35-38
12	_____	Self-Test 4 – p. 39-41  5 – Application and Review – p. 42  Objectives – p. 42	Answers to self-test – p. 77  Answers to questions – p. 78	Self-Test 4 – p. 39-41  5.1 – 5.14 Complete these activities – p. 42-43
13	_____	Review – p. 44  Prepare for self-test	Answers to questions – p. 78	5.15 – 5.29 Complete these activities – p. 44-46
14	_____	Self-Test 5 – p. 48-49  Prepare for unit test	Answers to self-test – p. 79	Self-Test 5 – p. 48-49

**Fourth Grade Math Unit 4**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAC</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
15	_____	Unit Test 404	Answers to unit test – p. 80	Unit Test 404
		Alternate Unit Test – TG – p. 81-84	Answers to alternate test – p. 80	

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## **Fourth Grade Math Unit 5**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAK</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
1	_____	1 – Division, Addition, Subtraction, Multiplication – p. 3  Objectives – p. 3	Answers to questions – p. 86	1.1 – 1.5 Complete these activities – p. 3-6
2	_____	Check problems – p. 7  Prepare for self-test	Answers to questions – p. 86	1.6 – 1.18 Complete these activities – p. 7-9
3	_____	Self-Test 1 – p. 10-11  2 – Units of Measure – p. 12  Objectives – p. 12	Answers to self-test – p. 87  Answers to questions – p. 87	Self-Test 1 – p. 10-11  2.1 – 2.7 Complete these activities – p. 12-15
4	_____	Division Facts – p. 16  Prepare for self-test	Answers to questions – p. 88	2.8 – 2.12 Complete these activities – p. 16-17
5	_____	Self-Test 2 – p. 18-19  3 – Calendar – p. 20  Objectives – p. 20	Answers to self-test – p. 88  Answers to questions – p. 89	Self-Test 2 – p. 18-19  3.1 – 3.4 Complete these activities – p. 20-22
6	_____	Perimeter and Area – p. 22	Answers to questions – p. 89	3.5 – 3.14 Complete these activities – p. 23-25

## **Fourth Grade Math Unit 5**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAK</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
7	_____	Adding and Subtracting Fractions – p. 26  Prepare for self-test	Answers to questions – p. 89	3.15 – 3.19 Complete these activities – p. 26
8	_____	Self-Test 3 – p. 27-28  4 – Missing Number Problems – p. 29  Objectives – p. 29	Answers to self-test – p. 90  Answers to questions – p. 90	Self-Test 3 – p. 27-28  4.1 – 4.7 Complete these activities – p. 29-31
9	_____	Division Signs – p. 32	Answers to questions – p. 90	4.8 Complete this activity – p. 32-33
10	_____	Roman Numerals – p. 33  Prepare for self-test	Answers to questions – p. 90-91	4.9 – 4.14 Complete these activities – p. 34-36
11	_____	Self-Test 4 – p. 37-38  5 – Application and Review – p. 39  Objectives – p. 39	Answers to self-test – p. 91  Answers to questions – p. 92	Self-Test 4 – p. 37-38  5.1 – 5.3 Complete these activities – p. 39
12	_____	Review – p. 40	Answers to questions – p. 92	5.4 – 5.24 Complete these activities – p. 40-42
13	_____	Review – p. 43  Prepare for self-test	Answers to questions – p. 92	5.25 – 5.38 Complete these activities – p. 43-44

## **Fourth Grade Math Unit 5**

<b><u>Day</u></b>	<b><u>Date to Complete</u></b>	<b><u>Student LIFEPAC</u></b>	<b><u>Teacher's Guide</u></b>	<b><u>Assignments</u></b>
14	_____	Self-Test 5 – p. 46-48  Prepare for unit test	Answers to self-test – p. 93	Self-Test 5 – p. 46-48
15	_____	Unit Test 405  Alternate Unit Test – TG – p. 95-97	Answers to unit test – p. 94  Answers to alternate test – p. 94	Unit Test 405

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